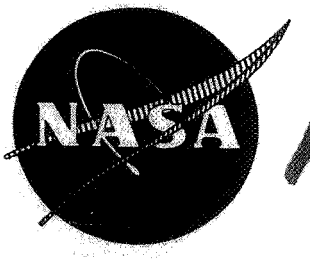
NASA CR 72809
PWA FR-4163



N71-15329

EXPERIMENTAL EVALUATION OF A HONEYCOMB ROTOR SHROUD CONFIGURATION TO IMPROVE THE STALL MARGIN OF A 0.5 HUB-TIP RATIO SINGLE-STAGE COMPRESSOR

VOLUME 2 DATA SUPPLEMENT

BY
R. P. Oscarson and D. L. Wright

Prepared for
National Aeronautics and Space Administration
Contract NAS3-11158

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Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION
FLORIDA RESEARCH AND DEVELOPMENT CENTER

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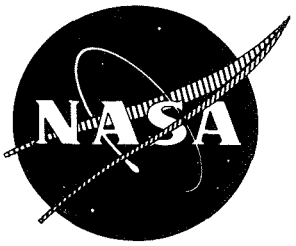
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Technical Management
NASA Lewis Research Center
Cleveland, Ohio

NASA Program Manager: Everett E. Baily
Fluid System Components Division

Pratt & Whitney Aircraft
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FOREWORD

This report contains the tabulated data for NASA CR-72808 (PWA FR-4008) titled, "Experimental Evaluation of a Honeycomb Rotor Shroud Configuration to Improve the Stall Margin of a 0.5 Hub-Tip Ratio Single Stage Compressor, Volume I - Data and Performance Report." The test equipment, test procedures, calculation methods, and test results are discussed in CR-72808. The data tabulations presented herein are itemized in the Table of Contents.

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TABULATED DATA

Overall performance results for each test point are presented in tables 1 and 2 for the solid and honeycomb shroud configurations, respectively.

Solid and honeycomb shroud configuration flow distribution data consisting of blade element performance and vector diagram data are presented in tables 3 and 4, respectively. It should be noted that only vector diagram data are given for the circumferential distortion tests. The flow distribution data are arranged as follows:

Data Group	Page
Solid Shroud Configuration	10
Uniform Inlet	10
Radial Distortion	40
Circumferential Distortion	58
Honeycomb Shroud Configuration	94
Uniform Inlet	94
Radial Distortion	124
Circumferential Distortion	144

Within each data group, the data are arranged in order of increasing rotor speed and increasing corrected flow at each rotor speed. The uniform inlet flow data consist of two subgroups with the data at the instrumentation station planes in the first subgroup and the data translated to the rotor and stator leading and trailing edges in the second. The data for inlet radial distortion are arranged in like manner. The circumferential distortion data are given only at the instrumentation station planes and, for a given rotor speed-corrected flow combination, are arranged in order of increasing circumferential position. Circumferential positions are noted at the top of each data sheet. The circumferential distortion data were obtained from the multiple screen position tests and the data have been transposed to reflect a relative screen position of 345 deg to 85 deg.

Data from the inlet wall static pressure taps located between the plane of the distortion screen and the rotor leading edge (figure 8 of Volume I) are given in table 5. Pressure and temperature data from the annular plenum instrumentation (figure 17 of Volume I) are given in table 6. It should be noted that there is a consistent circumferential variation in the annular plenum pressure and temperature data in table 6. This variation is thought to be attributable to a circumferential variation in rotor tip clearance.

Nomenclature Used for Overall Performance Tabulation

Mass-Averaged Rotor Inlet Total Pressure	$\overline{P}_1$
Mass-Averaged Stator Inlet Total Pressure	$\overline{P}_2$
Mass-Averaged Stator Exit Total Pressure	$\overline{P}_{2A}$
* Adiabatic Efficiency	η_{ad}
* Polytropic Efficiency	η_p

Nomenclature Used for Flow Distribution Data Tabulation **

Exit Percent Span From Tip	PCT SPAN
Exit Diameter	DIA
Absolute Flow Angle	BETA
Relative Flow Angle	BETA (PR)
Absolute Velocity	V
Axial Velocity	VZ
Absolute Tangential Velocity	V - THETA
Relative Velocity	V (PR)
Relative Tangential Velocity	V - THETA PR
Rotor Speed	U
Absolute Mach No.	M
Relative Mach No.	M (PR)
Relative Turning Angle	TURN (PR)

---

* Efficiencies calculated from mass-averaged values of total pressure and total temperature.

** Where applicable the appropriate instrumentation station is noted in the tables.

Nomenclature Used for Flow Distribution Data Tabulation ** (Continued)

*** Loss Coefficient	UUBAR
*** Loss Parameter	LOSS PARA
*** Diffusion Factor	DFAC
*** Polytropic Efficiency	EFFP
*** Adiabatic Efficiency	EFF
*** Incidence	INCID
*** Deviation	DEVM
Total Pressure	P
Total Temperature	T

Two values of stator loss coefficient (UUBAR) and loss parameter (LOSS PARA) are given in the tabulations of the flow distribution data. These sets of loss values correspond to the following definitions of stator inlet total pressure used in calculating the loss data: (1) total pressure measured at the stator inlet (P2) and (2) maximum freestream total pressure measured by the stator wake rake probe (P21). The latter definition was included because the maximum freestream total pressure at the stator exit was occasionally greater than the total pressure at the stator inlet due to radial flow shifts across the stator blade row. The values of UUBAR and LOSS PARA given in the middle of the stator data correspond to the P2 definition, whereas the loss data given in the last two lines correspond to the P21 definition.

*** Denotes variables excluded from circumferential distortion data.

Table 1. Overall Performance - Solid Shroud Configuration

Corrected Weight Flow, lb/sec	Corrected Weight Flow per Annulus Area, lb/sec ft^2	Corrected Weight Flow per Frontal Area, lb/sec ft^2	Rotor $\overline{P}_2/\overline{P}_1$	Rotor η_{ad}', %	Rotor η_p', %	Stage $\overline{P}_{2A}/\overline{P}_1$	Stage η_{ad}', %	Stage η_p', %
			UNIFORM INLET					
			70% Rotor Speed					
144.32	18.851	14.278	1.1894	88.76	89.12	1.1758	82.75	83.14
165.30	21.591	16.353	1.1824	90.72	91.03	1.1701	84.91	85.25
179.51	23.447	17.759	1.1651	89.79	90.11	1.1556	84.91	85.22
189.69	24.777	18.766	1.1537	90.32	90.59	1.4444	85.10	85.38
204.03	26.650	26.650	1.1407	98.27	98.42	1.1234	86.68	86.90
			90% Rotor Speed					
190.60	24.896	18.856	1.3322	83.89	84.60	1.3055	77.73	78.55
207.20	27.064	20.499	1.3322	86.61	87.22	1.3169	82.98	83.63
223.95	29.252	22.156	1.3195	93.38	93.72	1.3049	89.49	89.88
243.18	31.763	24.058	1.2943	91.13	91.54	1.2656	82.95	83.51
259.54	33.900	25.677	1.2376	93.70	93.96	1.2029	82.80	83.25
			100% Rotor Speed					
208.52	27.236	20.629	1.4327	79.87	80.93	1.3978	74.12	75.31
225.32	29.431	22.291	1.4272	83.83	84.61	1.3964	78.34	79.34
246.23	32.162	24.360	1.4202	87.93	88.48	1.3933	82.79	83.57
263.29	34.390	26.048	1.3861	90.46	90.96	1.3653	86.06	86.66
277.16	36.202	27.420	1.2740	84.55	87.08	1.2401	74.86	75.61

Table 1. Overall Performance - Solid Shroud Configuration (Continued)

Corrected Weight Flow, lb/sec	Corrected Weight Flow per Annulus Area, lb/sec ft^2	Corrected Weight Flow per Frontal Area, lb/sec ft^2	Rotor $\overline{P}_2/\overline{P}_1$	Rotor η_{ad}, %	Rotor η_p, %	Stage $\overline{P}_{2A}/\overline{P}_1$	Stage η_{ad}, %	Stage η_p, %
			RADIAL DISTORTION					
			70% Rotor Speed					
179.42	23.435	17.750	1.1745	89.11	89.47	1.1574	80.83	81.22
185.25	24.197	18.327	1.1682	98.90	99.05	1.1502	88.83	89.05
196.14	25.619	19.404	1.1658	95.10	92.20	1.1518	84.55	84.86
			90% Rotor Speed					
238.71	31.179	23.616	1.2987	89.56	90.02	1.2748	82.97	83.55
242.38	31.659	23.979	1.2944	92.35	92.71	1.2576	81.69	82.28
245.02	32.004	24.240	1.2821	90.48	90.90	1.2513	81.36	81.94
			100% Rotor Speed					
261.21	34.118	25.842	1.3779	88.46	88.98	1.3550	83.57	84.26
261.38	34.141	25.859	1.3685	89.51	90.08	1.3418	83.69	84.35
269.22	35.165	26.634	1.3471	86.24	86.88	1.3197	80.05	80.82

Table 1. Overall Performance - Solid Shroud Configuration (Continued)

Corrected Weight Flow, lb/sec	Corrected Weight Flow per Annulus Area, lb/sec ft^2	Corrected Weight Flow per Frontal Area, lb/sec ft^2	Rotor $\overline{P}_2/\overline{P}_1$	Rotor η_{ad}, %	Rotor η_p, %	Stage $\overline{P}_{2A}/\overline{P}_1$	Stage η_{ad}, %	Stage η_p, %
			CIRCUMFERENTIAL DISTORTION					
			70% Rotor Speed					
150.26	19.626	14.865	1.1829	90.44	90.67	1.1721	85.29	85.72
169.75	22.172	16.794	1.1727	97.59	97.67	1.1620	88.48	92.05
186.89	24.411	18.489	1.1485	91.10	91.23	1.1360	83.41	84.01
			90% Rotor Speed					
200.13 *	26.140	19.799	1.3055	79.46	80.24	1.3047	78.26	80.06
208.47	27.230	20.624	1.3022	83.75	84.18	1.2946	81.73	82.32
241.57	31.553	23.899	1.2618	89.53	89.95	1.2359	81.32	81.93
			100% Rotor Speed					
223.08 *	29.138	22.070	1.3818	81.41	82.32	1.3668	78.63	79.54
244.68	31.959	24.207	1.3617	81.15	81.96	1.3498	78.78	79.63
259.30 *	33.869	25.653	1.3099	82.99	83.43	1.2862	77.20	77.78

* Data taken at multiple screen positions.

Table 2. Overall Performance - Honeycomb Shroud Configuration

Corrected Weight Flow, lb/sec	Corrected Weight Flow per Annulus Area, lb/sec ft^2	Corrected Weight Flow per Frontal Area, lb/sec ft^2	Rotor $\overline{P}_2/\overline{P}_1$	Rotor η_{ad}, %	Rotor η_p, %	Stage $\overline{P}_{2A}/\overline{P}_1$	Stage η_{ad}, %	Stage η_p, %
			UNIFORM INLET					
			70% Rotor Speed					
115.76	15.120	11.452	1.1929	67.01	67.88	1.1644	57.63	58.53
139.95	18.280	13.845	1.1859	83.95	84.42	1.1691	76.77	77.28
161.81	21.135	16.008	1.1725	81.62	82.12	1.1666	79.00	79.45
177.28	23.156	17.539	1.1541	83.79	84.22	1.1386	75.76	76.21
201.92	26.374	19.976	1.1270	84.74	85.07	1.1134	75.99	76.35
			90% Rotor Speed					
157.67	20.594	15.599	1.3373	68.01	69.36	1.2905	59.37	60.81
184.57	24.108	18.260	1.3323	76.19	77.20	1.3022	69.89	70.99
211.07	27.569	20.881	1.3226	81.43	82.23	1.3158	79.88	80.64
231.92	30.293	22.944	1.2893	84.16	84.80	1.2761	80.63	81.29
237.34	31.001	23.480	1.2170	92.50	92.80	1.1877	80.75	81.22
			100% Rotor Speed					
183.96	24.028	18.199	1.4282	67.65	69.33	1.3991	63.58	65.26
211.76	27.659	20.950	1.4324	77.03	78.23	1.4035	72.44	73.72
227.93	29.771	22.549	1.4197	78.19	79.31	1.4179	77.88	78.94
254.36	33.224	25.164	1.3741	84.96	82.62	1.3556	78.10	79.02
278.67	36.399	27.569	1.2642	85.09	85.55	1.2220	72.33	73.11

Table 2. Overall Performance - Honeycomb Shroud Configuration (Continued)

Corrected Weight Flow, lb/sec	Corrected Weight Flow per Annulus Area, lb/sec ft^2	Corrected Weight Flow per Frontal Area, lb/sec ft^2	Rotor $\overline{P}_2/\overline{P}_1$	Rotor η_{ad}, %	Rotor η_p, %	Stage $\overline{P}_{2A}/\overline{P}_1$	Stage η_{ad}, %	Stage η_p, %
			RADIAL DISTORTION					
			70% Rotor Speed					
130.01	16.981	12.862	1.1997	65.61	66.26	1.1868	61.36	62.28
163.00	21.290	16.126	1.1945	77.81	78.44	1.1829	73.45	74.08
193.98	25.337	19.191	1.1636	84.25	84.66	1.1461	75.65	76.12
			90% Rotor Speed					
192.83	25.187	19.077	1.3580	72.70	73.92	1.3187	65.44	66.76
219.13	28.622	21.679	1.3435	87.46	80.02	1.3151	73.15	74.17
247.57	32.337	24.492	1.2874	92.34	92.68	1.2486	80.79	81.38
			100% Rotor Speed					
216.73	28.309	21.441	1.4667	71.42	73.01	1.4476	68.86	70.44
218.34	28.519	21.601	1.4624	71.34	72.91	1.4351	67.62	69.22
239.31	31.258	23.675	1.4548	77.76	78.98	1.4295	73.93	75.21
268.24	35.037	26.537	1.3503	81.50	82.38	1.3201	75.15	76.11

Table 2. Overall Performance - Honeycomb Shroud Configuration (Continued)

Corrected Weight Flow, lb/sec	Corrected Weight Flow per Annulus Area, lb/sec ft^2	Corrected Weight Flow per Frontal Area, lb/sec ft^2	Rotor			Stage		
			$\overline{P}_2/\overline{P}_1$	η_{ad}, %	η_p, %	$\overline{P}_{2A}/\overline{P}_1$	η_{ad}, %	η_p, %
CIRCUMFERENTIAL DISTORTION								
70% Rotor Speed								
116.38	15.201	11.514	1.1801	61.96	62.84	1.1624	56.22	57.11
157.55	20.578	15.587	1.1717	76.90	77.34	1.1683	75.41	75.92
187.55	24.497	18.555	1.1440	95.52	86.72	1.1350	89.62	81.63
90% Rotor Speed								
158.67 *	20.725	15.697	1.3042	65.35	67.28	1.2683	58.91	60.21
198.32	25.904	19.620	1.2949	77.73	78.44	1.2831	74.80	75.66
237.74	31.053	23.520	1.2478	84.96	85.49	1.2251	77.80	78.40
100% Rotor Speed								
188.71 *	24.649	18.669	1.3836	64.20	65.85	1.3556	60.04	61.71
223.00 *	29.127	22.062	1.3768	75.49	76.54	1.3536	71.24	72.47
257.22	33.597	25.447	1.3030	83.53	84.18	1.2792	77.58	78.32

* Data taken at multiple screen positions.

Table 3. Solid Shroud Configuration Flow Distribution Data

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 70.24 EQUIVALENT ROTOR SPEED = 4249.80 CORRECTED WEIGHT FLOW = 144.32

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.435	0.320	0.272	0.342	0.445	BETA 1
STATION 2	BETA 2	50.810	52.010	51.280	44.960	43.130	BETA 2
	BETA(PR) 1	62.528	64.260	66.974	68.689	71.452	BETA(PR) 1
	BETA(PR) 2	27.970	38.968	46.065	48.418	53.813	BETA(PR) 2
	V 1	226.77	251.45	256.47	267.07	256.76	V 1
	V 2	436.74	427.05	431.14	456.15	449.49	V 2
	VZ 1	218.67	248.14	255.62	267.03	256.60	VZ 1
	VZ 2	272.09	261.65	269.40	322.77	327.76	VZ 2
	V-THETA 1	1.66	1.39	1.21	1.59	1.99	V-THETA 1
	V-THETA 2	333.74	335.01	336.03	322.32	307.03	V-THETA 2
	V(PR) 1	477.8	572.8	653.8	734.8	806.7	V(PR) 1
	V(PR) 2	316.6	339.0	388.8	486.3	555.4	V(PR) 2
	VTHETA PR1	-420.6	-514.7	-601.4	-684.5	-764.8	VTHETA PR1
	VTHETA PR2	-144.5	-211.6	-279.6	-363.8	-448.0	VTHETA PR2
	U 1	422.23	516.06	602.65	686.10	766.76	U 1
	U 2	478.23	546.65	615.64	686.10	755.08	U 2
	M 1	0.2040	0.2264	0.2310	0.2406	0.2312	M 1
	M 2	0.3886	0.3797	0.3823	0.4040	0.3962	M 2
	M(PR) 1	0.4298	0.5157	0.5888	0.6620	0.7265	M(PR) 1
	M(PR) 2	0.2817	0.3014	0.3447	0.4307	0.4896	M(PR) 2
	TURN(PR)	34.514	25.331	20.917	20.268	17.672	TURN(PR)
	UUBAR	0.1515	0.2581	0.2890	0.2175	0.1842	UUBAR
	LOSS PARA	0.0471	0.0761	0.0822	0.0633	0.0507	LOSS PARA
	DFAC	0.5974	0.6353	0.6176	0.5295	0.4863	DFAC
	EFFP	1.0330	1.0293	0.9476	0.9495	0.8725	EFFP
	EFF	1.0337	1.0299	0.9463	0.9482	0.8690	EFF
	INCID	13.067	10.962	10.306	8.686	8.042	INCID
	DEVM	8.354	6.130	3.888	-0.182	0.870	DEVM
	P 1	14.666	14.717	14.707	14.700	14.673	P 1
	P 2	17.154	17.212	17.305	17.628	17.789	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.670	541.750	544.780	547.840	552.455	T 2I

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.810	52.010	51.280	44.960	43.130	BETA 2
STATION 2A	BETA 2A	6.930	4.900	3.700	4.550	4.480	BETA 2A
	V 2	436.74	427.05	431.14	456.15	449.49	V 2
	V 2A	321.17	295.22	310.50	358.58	394.41	V 2A
	VZ 2	272.09	261.65	269.40	322.77	327.76	VZ 2
	VZ 2A	317.47	293.66	309.72	357.44	393.12	VZ 2A
	V-THETA 2	333.74	335.01	336.03	322.32	307.03	V-THETA 2
	V-THETA 2A	38.59	25.18	20.03	28.45	30.80	V-THETA 2A
	M 2	0.3886	0.3797	0.3823	0.4040	0.3962	M 2
	M 2A	0.2838	0.2605	0.2734	0.3157	0.3465	M 2A
	TURN(PR)	42.931	46.782	47.507	40.410	38.605	TURN(PR)
	UUBAR	0.0404	0.1218	0.1093	0.1000	0.0519	UUBAR
	LOSS PARA	0.0158	0.0506	0.0491	0.0470	0.0254	LOSS PARA
	DFAC	0.5199	0.6040	0.6065	0.5176	0.4261	DFAC
	EFFP	0.9169	0.7791	0.7875	0.7775	0.8306	EFFP
	INCID	8.932	14.474	16.505	10.960	7.084	INCID
	DEVM	15.600	12.392	11.198	12.550	13.379	DEVM
	P 2	17.154	17.212	17.305	17.628	17.789	P 2
	P 2A	17.085	17.014	17.124	17.440	17.694	P 2A
	T 2	541.670	541.750	544.780	547.840	552.455	T 2
	T 2A	541.670	541.740	544.750	547.630	552.250	T 2A
	P21	17.176	17.065	17.328	17.690	17.867	P21
	UUBAR	0.0516	0.0333	0.1199	0.1281	0.0896	UUBAR
	LOSS PARA	0.0201	0.0138	0.0538	0.0602	0.0438	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 69.83 EQUIVALENT ROTOR SPEED 4224.48 CORRECTED WEIGHT FLOW = 165.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.262	0.154	0.555	1.398	0.942	BETA 1
STATION 2	BETA 2	47.180	44.700	41.620	37.910	37.150	BETA 2
	BETA(PR) 1	59.655	60.367	62.830	65.211	68.900	BETA(PR) 1
	BETA(PR) 2	28.103	38.140	44.851	49.476	53.896	BETA(PR) 2
	V 1	254.12	295.25	306.99	311.60	292.46	V 1
	V 2	440.71	433.40	435.33	443.61	442.81	V 2
	VZ 1	245.05	291.36	305.96	311.46	292.25	VZ 1
	VZ 2	294.69	306.17	324.95	350.00	352.58	VZ 2
	V-THETA 1	1.12	0.78	2.96	7.60	4.81	V-THETA 1
	V-THETA 2	318.01	302.98	288.71	272.56	267.14	V-THETA 2
	V(PR) 1	489.7	591.2	670.5	742.9	811.9	V(PR) 1
	V(PR) 2	343.3	392.2	459.0	538.7	598.7	V(PR) 2
	VTHETA PR1	-418.6	-512.2	-596.1	-674.4	-757.4	VTHETA PR1
	VTHETA PR2	-157.4	-240.4	-323.3	-409.4	-483.4	VTHETA PR2
	U 1	419.71	512.98	599.06	682.01	762.19	U 1
	U 2	475.38	543.40	611.97	682.01	750.58	U 2
	M 1	0.2288	0.2663	0.2771	0.2813	0.2638	M 1
	M 2	0.3919	0.3853	0.3865	0.3930	0.3911	M 2
	M(PR) 1	0.4409	0.5333	0.6052	0.6707	0.7323	M(PR) 1
	M(PR) 2	0.3053	0.3487	0.4075	0.4772	0.5288	M(PR) 2
	TURN(PR)	31.456	22.236	17.978	15.733	15.036	TURN(PR)
	UUBAR	0.1158	0.1652	0.1356	0.0911	0.0922	UUBAR
	LOSS PARA	0.0360	0.0493	0.0394	0.0260	0.0253	LOSS PARA
	DFAC	0.5410	0.5359	0.4921	0.4313	0.4120	DFAC
	EFFP	0.9631	0.9731	0.9735	0.9403	0.9151	EFFP
	EFF	0.9623	0.9725	0.9729	0.9388	0.9129	EFF
	INCID	10.139	7.040	6.152	5.208	5.489	INCID
	DEVM	8.483	5.304	2.674	0.876	0.952	DEVM
	P 1	14.637	14.719	14.725	14.717	14.675	P 1
	P 2	17.026	17.117	17.299	17.499	17.672	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.500	542.200	543.820	546.720	549.690	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	47.180	44.700	41.620	37.910	37.150	BETA 2
STATION 2A	BETA 2A	7.320	4.390	3.680	3.730	3.870	BETA 2A
	V 2	440.71	433.40	435.33	443.61	442.81	V 2
	V 2A	355.43	339.78	353.60	393.57	418.76	V 2A
	VZ 2	294.69	306.17	324.95	350.00	352.58	VZ 2
	VZ 2A	351.02	338.23	352.71	392.73	417.71	VZ 2A
	V-THETA 2	318.01	302.98	288.71	272.56	267.14	V-THETA 2
	V-THETA 2A	45.09	25.97	22.69	25.60	28.26	V-THETA 2A
	M 2	0.3919	0.3853	0.3865	0.3930	0.3911	M 2
	M 2A	0.3144	0.3004	0.3123	0.3475	0.3694	M 2A
	TURN(PR)	38.897	39.971	37.866	34.180	33.237	TURN(PR)
	UUBAR	0.0118	0.0856	0.1027	0.0384	0.0372	UUBAR
	LOSS PARA	0.0046	0.0356	0.0462	0.0180	0.0182	LOSS PARA
	DFAC	0.4269	0.4761	0.4600	0.3753	0.3208	DFAC
	EFFP	0.9683	0.7899	0.7170	0.8473	0.7359	EFFP
	INCID	5.286	7.154	6.844	3.910	1.106	INCID
	DEVM	15.989	11.883	11.178	11.730	12.769	DEVM
	P 2	17.026	17.117	17.299	17.499	17.672	P 2
	P 2A	17.006	16.974	17.125	17.432	17.607	P 2A
	T 2	542.500	542.200	543.820	546.720	549.690	T 2
	T 2A	542.500	542.200	543.800	546.650	549.530	T 2A
	P21	17.052	17.002	17.204	17.437	17.695	P21
	UUBAR	0.0233	0.0137	0.0457	0.0101	0.0458	JUBAR
	LOSS PARA	0.0090	0.0056	0.0205	0.0047	0.0224	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 70.10 EQUIVALENT ROTOR SPEED = 4241.10 CORRECTED WEIGHT FLOW = 179.51

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.710	0.950	1.310	1.580	1.450	BETA 1
STATION 2	BETA 2	41.500	38.200	35.400	33.100	33.230	BETA 2
	BETA(PR) 1	57.630	57.697	60.743	63.343	66.512	BETA(PR) 1
	BETA(PR) 2	29.420	39.400	46.351	51.281	54.392	BETA(PR) 2
	V 1	274.85	326.56	333.84	339.20	329.21	V 1
	V 2	448.66	434.87	429.26	430.35	439.61	V 2
	VZ 1	265.02	322.23	332.65	339.03	328.90	VZ 1
	VZ 2	329.44	339.19	349.28	360.51	367.31	VZ 2
	V-THETA 1	3.28	5.34	7.61	9.35	8.33	V-THETA 1
	V-THETA 2	291.47	266.92	248.22	235.01	240.64	V-THETA 2
	V(PR) 1	500.3	605.3	681.2	755.7	825.3	V(PR) 1
	V(PR) 2	388.4	442.1	506.7	576.4	631.2	V(PR) 2
	VTHETA PR1	-418.1	-509.7	-593.8	-675.3	-756.9	VTHETA PR1
	VTHETA PR2	-185.8	-278.6	-366.2	-449.7	-512.9	VTHETA PR2
	U 1	421.36	515.00	601.42	684.70	765.19	U 1
	U 2	477.25	545.54	614.38	684.70	753.53	U 2
	M 1	0.2477	0.2951	0.3017	0.3067	0.2975	M 1
	M 2	0.3995	0.3869	0.3815	0.3817	0.3893	M 2
	M(PR) 1	0.4509	0.5469	0.6157	0.6832	0.7458	M(PR) 1
	M(PR) 2	0.3459	0.3934	0.4503	0.5112	0.5590	M(PR) 2
	TURN(PR)	28.105	18.293	14.388	12.059	12.152	TURN(PR)
	UUBAR	0.0697	0.0996	0.0657	0.0523	0.0658	UUBAR
	LOSS PARA	0.0214	0.0292	0.0186	0.0143	0.0179	LOSS PARA
	DFAC	0.4393	0.4382	0.4026	0.3683	0.3653	DFAC
	EFFP	0.9404	0.9253	0.9488	0.9156	0.9238	EFFP
	EFF	0.9392	0.9238	0.9477	0.9138	0.9219	EFF
	INCID	8.081	4.354	4.062	3.340	3.100	INCID
	DEVM	9.776	6.561	4.174	2.681	1.448	DEVM
	P 1	14.619	14.741	14.730	14.728	14.680	P 1
	P 2	16.858	16.934	17.071	17.202	17.405	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.650	541.400	542.250	544.450	546.750	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	41.500	38.200	35.400	33.100	33.230	BETA 2
STATION 2A	BETA 2A	6.030	4.000	3.270	2.900	4.300	BETA 2A
	V 2	448.66	434.87	429.26	430.35	439.61	V 2
	V 2A	402.07	391.37	401.35	426.42	445.20	V 2A
	VZ 2	329.44	339.19	349.28	360.51	367.31	VZ 2
	VZ 2A	398.13	389.78	400.52	425.87	443.85	VZ 2A
	V-THETA 2	291.47	266.92	248.22	235.01	240.64	V-THETA 2
	V-THETA 2A	42.06	27.26	22.88	21.57	33.37	V-THETA 2A
	M 2	0.3995	0.3869	0.3815	0.3817	0.3893	M 2
	M 2A	0.3569	0.3473	0.3561	0.3782	0.3944	M 2A
	TURN(PR)	34.510	33.871	32.059	30.200	28.889	TURN(PR)
	UUBAR	-0.0173	0.0213	0.0279	-0.0277	0.0117	UUBAR
	LOSS PARA	-0.0068	0.0089	0.0126	-0.0131	0.0057	LOSS PARA
	DFAC	0.3133	0.3241	0.2988	0.2429	0.2203	DFAC
	EFFP	1.0821	0.9152	0.7992	3.7723	1.4293	EFFP
	INCID	-0.386	0.664	0.628	-0.900	-2.812	INCID
	DEVM	14.704	11.494	10.769	10.900	13.199	DEVM
	P 2	16.858	16.934	17.071	17.202	17.405	P 2
	P 2A	16.888	16.898	17.025	17.248	17.385	P 2A
	T 2	541.650	541.400	542.250	544.450	546.750	T 2
	T 2A	541.650	541.330	542.230	544.350	546.750	T 2A
	P21	16.968	16.968	18.092	17.292	17.439	P21
	UUBAR	0.0434	0.0417	0.0354	0.0262	0.0316	UUBAR
	LOSS PARA	0.0170	0.0174	0.0159	0.0123	0.0153	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 70.07 EQUIVALENT ROTOR SPEED 4239.31 CORRECTED WEIGHT FLOW = 189.69

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	C.410	0.980	1.335	1.600	1.310	BETA 1
STATION 2	BETA 2	37.820	33.950	31.570	29.720	29.550	BETA 2
	BETA(PR) 1	55.221	56.128	59.131	62.050	65.880	BETA(PR) 1
	BETA(PR) 2	29.983	40.898	47.216	52.039	55.365	BETA(PR) 2
	V 1	301.84	346.23	355.69	358.02	339.28	V 1
	V 2	456.19	430.60	426.07	425.39	430.30	V 2
	VZ 1	291.06	341.63	354.41	357.83	338.99	VZ 1
	VZ 2	352.53	354.23	362.31	369.43	373.87	VZ 2
	V-THETA 1	2.08	5.84	8.26	10.00	7.75	V-THETA 1
	V-THETA 2	273.65	238.48	222.63	210.89	211.96	V-THETA 2
	V(PR) 1	516.5	615.5	691.4	763.5	829.6	V(PR) 1
	V(PR) 2	417.8	471.9	534.1	600.6	658.2	V(PR) 2
	VTHETA PR1	-419.1	-508.9	-592.9	-674.4	-757.1	VTHETA PR1
	VTHETA PR2	-203.4	-306.8	-391.5	-473.5	-541.3	VTHETA PR2
	U 1	421.19	514.78	601.17	684.41	764.87	U 1
	U 2	477.05	545.31	614.12	684.41	753.22	U 2
	M 1	0.2724	0.3132	0.3219	0.3240	0.3068	M 1
	M 2	0.4068	0.3835	0.3791	0.3780	0.3816	M 2
	M(PR) 1	0.4661	0.5567	0.6257	0.6910	0.7501	M(PR) 1
	M(PR) 2	0.3726	0.4203	0.4752	0.5337	0.5837	M(PR) 2
	TURN(PR)	25.110	15.220	11.908	10.009	10.545	TURN(PR)
	UUBAR	0.0491	0.0453	0.0256	0.0193	0.0353	UUBAR
	LOSS PARA	0.0150	0.0130	0.0071	0.0052	0.0093	LOSS PARA
	DFAC	0.3877	0.3809	0.3561	0.3287	0.3204	DFAC
	EFFP	0.9387	0.9297	0.9524	0.9464	0.9214	EFFP
	EFF	0.9375	0.9284	0.9514	0.9453	0.9196	EFF
	INCID	5.639	2.776	2.447	2.047	2.467	INCID
	DEVM	10.329	8.056	5.040	3.438	2.422	DEVM
	P 1	14.640	14.742	14.735	14.721	14.663	P 1
	P 2	16.774	16.811	16.933	17.035	17.163	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	540.630	540.070	540.800	542.065	544.660	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	37.820	33.950	31.570	29.720	29.550	BETA 2
STATION 2A	BETA 2A	5.550	3.690	3.010	2.580	4.100	BETA 2A
	V 2	456.19	430.60	426.07	425.39	430.30	V 2
	V 2A	448.55	426.38	383.39	442.72	460.42	V 2A
	VZ 2	352.53	354.23	362.31	369.43	373.87	VZ 2
	VZ 2A	444.53	424.80	382.69	442.27	459.13	VZ 2A
	V-THETA 2	273.65	238.48	222.63	210.89	211.96	V-THETA 2
	V-THETA 2A	43.20	27.40	20.12	19.93	32.91	V-THETA 2A
	M 2	0.4068	0.3835	0.3791	0.3780	0.3816	M 2
	M 2A	0.3998	0.3796	0.3402	0.3939	0.4092	M 2A
	TURN(PR)	31.334	29.946	28.493	27.140	25.412	TURN(PR)
	UUBAR	-0.0208	0.0188	0.0381	0.0209	0.0241	UUBAR
	LOSS PARA	-0.0081	0.0078	0.0171	0.0099	0.0118	LOSS PARA
	DFAC	0.2069	0.2090	0.3119	0.1709	0.1358	DFAC
	EFFP	1.5282	0.0997	0.8142	1.1682	1.0851	EFFP
	INCID	-4.040	-3.570	-3.198	-4.280	-6.489	INCID
	DEVM	14.226	11.184	10.509	10.580	12.999	DEVM
	P 2	16.774	16.811	16.933	17.035	17.163	P 2
	P 2A	16.811	16.781	16.872	17.001	17.124	P 2A
	T 2	540.630	540.070	540.800	542.065	544.660	T 2
	T 2A	540.650	540.070	540.790	541.990	544.510	T 2A
	P21	16.905	16.879	16.935	17.103	17.199	P21
	UUBAR	0.0446	0.0542	0.0350	0.0568	0.0407	UUBAR
	LOSS PARA	0.0173	0.0224	0.0157	0.0269	0.0199	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 59.15 EQUIVALENT ROTOR SPEED = 4183.52 CORRECTED WEIGHT FLOW = 204.03

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.470	1.042	1.280	1.700	1.630	BETA 1
STATION 2	BETA 2	33.250	29.240	27.085	25.180	25.390	BETA 2
	BETA(PR) 1	52.939	53.796	57.047	60.004	64.094	BETA(PR) 1
	BETA(PR) 2	29.963	39.961	46.525	51.601	55.200	BETA(PR) 2
	V 1	323.52	371.93	380.44	393.53	361.98	V 1
	V 2	468.24	445.31	435.56	430.93	430.56	V 2
	VZ 1	311.97	366.98	379.08	383.31	361.61	VZ 1
	VZ 2	382.08	385.00	386.97	389.98	388.47	VZ 2
	V-THETA 1	2.56	6.67	8.47	11.38	10.29	V-THETA 1
	V-THETA 2	250.50	215.52	197.90	183.35	184.37	V-THETA 2
	V(PR) 1	524.7	624.2	697.6	766.7	827.8	V(PR) 1
	V(PR) 2	452.8	505.9	563.1	627.9	681.0	V(PR) 2
	VTHETA PR1	-413.1	-501.3	-584.8	-664.0	-744.5	VTHETA PR1
	VTHETA PR2	-220.3	-322.6	-408.1	-492.1	-558.9	VTHETA PR2
	U 1	415.64	508.01	593.26	675.40	754.80	U 1
	U 2	470.77	538.13	606.03	675.40	743.30	U 2
	M 1	0.2923	0.3369	0.3448	0.3477	0.3277	M 1
	M 2	0.4190	0.3981	0.3892	0.3848	0.3837	M 2
	M(PR) 1	0.4740	0.5654	0.6323	0.6951	0.7494	M(PR) 1
	M(PR) 2	0.4052	0.4523	0.5032	0.5606	0.6069	M(PR) 2
	TURN(PR)	22.824	13.813	10.512	8.400	8.924	TURN(PR)
	UUBAR	-0.0172	-0.0101	-0.0189	-0.0126	0.0045	UUBAR
	LOSS PARA	-0.0052	-0.0029	-0.0053	-0.0034	0.0012	LOSS PARA
	DFAC	0.3139	0.3202	0.3054	0.2795	0.2744	DFAC
	EFFP	1.0283	1.0277	1.0752	1.0549	1.0210	EFFP
	EFF	1.0288	1.0282	1.0767	1.0559	1.0214	EFF
	INCID	3.333	0.434	0.360	0.001	0.681	INCID
	DEVM	10.309	7.120	4.348	3.001	2.257	DEVM
	P 1	14.645	14.745	14.731	14.730	14.663	P 1
	P 2	16.699	16.728	16.794	16.799	16.878	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	537.965	537.215	537.085	537.500	539.530	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	33.250	29.240	27.085	25.180	25.390	BETA 2
STATION 2A	BETA 2A	4.900	3.650	3.120	2.330	4.120	BETA 2A
	V 2	468.24	445.31	435.56	430.93	430.56	V 2
	V 2A	499.03	476.07	468.26	474.40	478.95	V 2A
	VZ 2	382.08	385.00	386.97	389.98	388.47	VZ 2
	VZ 2A	495.06	474.33	467.36	474.00	477.60	VZ 2A
	V-THETA 2	250.50	215.52	197.90	183.35	184.37	V-THETA 2
	V-THETA 2A	42.44	30.26	25.47	19.29	34.40	V-THETA 2A
	M 2	0.4190	0.3981	0.3892	0.3848	0.3837	M 2
	M 2A	0.4476	0.4256	0.4194	0.4249	0.4284	M 2A
	TURN(PR)	27.465	25.302	23.904	22.850	21.235	TURN(PR)
	UUBAR	0.0204	0.0548	0.0949	0.0606	0.1026	UUBAR
	LOSS PARA	0.0080	0.0228	0.0427	0.0286	0.0501	LOSS PARA
	DFAC	0.1013	0.0997	0.1011	0.0786	0.0600	DFAC
	EFFP	1.1454	1.3591	1.5678	1.2549	1.3310	EFFP
	INCID	-8.557	-8.254	-7.677	-8.820	-10.645	INCID
	DEVM	13.579	11.144	10.619	10.330	13.019	DEVM
	P 2	16.699	16.728	16.794	16.799	16.878	P 2
	P 2A	16.661	16.633	16.636	16.700	16.711	P 2A
	T 2	537.965	537.215	537.085	537.500	539.530	T 2
	T 2A	537.980	537.218	537.080	537.465	539.320	T 2A
	P21	16.752	16.712	16.720	16.814	16.776	P21
	UUBAR	0.0499	0.0491	0.0558	0.0722	0.0461	UUBAR
	LOSS PARA	0.0195	0.0204	0.0251	0.0340	0.0225	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 90.03 EQUIVALENT ROTOR SPEED = 5446.59 CORRECTED WEIGHT FLOW = 190.60

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.430	1.540	1.880	1.880	2.625	BETA 1
STATION 2	BETA 2	50.310	52.260	51.680	41.470	45.280	BETA 2
	BETA(PR) 1	61.033	62.619	65.132	66.733	69.277	BETA(PR) 1
	BETA(PR) 2	27.452	39.310	45.409	49.107	52.555	BETA(PR) 2
	V 1	306.49	342.47	353.99	373.08	366.04	V 1
	V 2	564.65	544.75	558.76	575.67	594.39	V 2
	VZ 1	295.46	337.85	352.63	372.83	365.44	VZ 1
	VZ 2	355.43	331.92	346.10	431.35	417.91	VZ 2
	V-THETA 1	7.38	9.08	11.57	12.24	16.75	V-THETA 1
	V-THETA 2	428.26	428.83	437.93	381.23	422.01	V-THETA 2
	V(PR) 1	615.4	736.7	839.0	943.9	1032.8	V(PR) 1
	V(PR) 2	411.7	432.1	493.6	658.9	687.8	V(PR) 2
	VTHETA PR1	-533.8	-652.3	-760.8	-867.1	-965.9	VTHETA PR1
	VTHETA PR2	-184.6	-271.8	-351.1	-498.1	-545.7	VTHETA PR2
	U 1	541.13	661.39	772.37	879.31	982.69	U 1
	U 2	612.91	700.60	789.01	879.31	967.72	U 2
	M 1	0.2766	0.3097	0.3203	0.3380	0.3315	M 1
	M 2	0.4988	0.4798	0.4910	0.5037	0.5180	M 2
	M(PR) 1	0.5555	0.6662	0.7592	0.8551	0.9353	M(PR) 1
	M(PR) 2	0.3637	0.3806	0.4338	0.5765	0.5994	M(PR) 2
	TURN(PR)	33.497	23.337	19.727	17.623	16.755	TURN(PR)
	UUBAR	0.1143	0.2478	0.2804	0.1392	0.1938	UUBAR
	LOSS PARA	0.0357	0.0727	0.0807	0.0400	0.0549	LOSS PARA
	DFAC	0.5872	0.6359	0.6223	0.4733	0.5154	DFAC
	EFFP	0.9655	0.9190	0.8938	0.8661	0.8673	EFFP
	EFF	0.9642	0.9160	0.8897	0.8605	0.8611	EFF
	INCID	11.542	9.308	8.460	6.730	5.866	INCID
	DEVM	7.845	6.471	3.232	0.507	-0.390	DEVM
	P 1	14.630	14.727	14.725	14.711	14.711	P 1
	P 2	18.941	18.960	19.245	19.705	20.369	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.900	561.090	565.040	571.200	577.400	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.310	52.260	51.680	41.470	45.280	BETA 2
STATION 2A	BETA 2A	4.840	5.270	2.770	4.680	5.980	BETA 2A
	V 2	564.65	544.75	558.76	575.67	594.39	V 2
	V 2A	403.15	356.68	399.56	461.46	538.40	V 2A
	VZ 2	355.43	331.92	346.10	431.35	417.91	VZ 2
	VZ 2A	399.99	354.60	398.92	459.91	535.34	VZ 2A
	V-THETA 2	428.26	428.83	437.93	381.23	422.01	V-THETA 2
	V-THETA 2A	33.87	32.71	19.30	37.65	56.08	V-THETA 2A
	M 2	0.4988	0.4798	0.4910	0.5037	0.5180	M 2
	M 2A	0.3519	0.3101	0.3470	0.4002	0.4671	M 2A
	TURN(PR)	44.509	46.663	48.837	36.790	39.255	TURN(PR)
	UUBAR	0.0570	0.1548	0.1085	0.0817	0.0346	UUBAR
	LOSS PARA	0.0224	0.0642	0.0488	0.0384	0.0169	LOSS PARA
	DFAC	0.5507	0.6412	0.6190	0.4798	0.3985	DFAC
	EFFP	0.8939	0.7488	0.7973	0.8076	0.8825	EFFP
	INCID	8.429	14.725	16.905	7.470	9.234	INCID
	DEVM	13.519	12.762	10.269	12.680	14.879	DEVM
	P 2	18.941	18.960	19.245	19.705	20.369	P 2
	P 2A	18.772	18.532	18.928	19.448	20.252	P 2A
	T 2	559.900	561.090	565.040	571.200	577.400	T 2
	T 2A	559.900	561.090	565.020	571.000	577.050	T 2A
	P21	18.929	18.865	19.082	19.730	20.447	P21
	UUBAR	0.0509	0.1225	0.0533	0.0870	0.0541	JUBAR
	LOSS PARA	0.0200	0.0508	0.0239	0.0408	0.0264	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 90.61 EQUIVALENT ROTOR SPEED = 5481.78 CORRECTED WEIGHT FLOW = 207.20

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.440	1.790	1.590	1.050	2.570	BETA 1
STATION 2	BETA 2	48.920	49.810	47.750	40.250	39.170	BETA 2
	BETA(PR) 1	59.676	60.882	63.264	64.986	67.955	BETA(PR) 1
	BETA(PR) 2	29.027	39.087	47.162	49.757	52.375	BETA(PR) 2
	V 1	325.66	369.45	387.61	409.56	393.99	V 1
	V 2	560.04	550.19	542.58	571.74	595.39	V 2
	VZ 1	313.95	364.42	386.18	409.44	393.36	VZ 1
	VZ 2	362.42	353.26	364.37	436.37	461.14	VZ 2
	V-THETA 1	7.89	11.39	10.72	7.50	17.66	V-THETA 1
	V-THETA 2	415.74	418.17	401.14	369.41	375.70	V-THETA 2
	V(PR) 1	627.8	751.3	859.0	968.3	1048.1	V(PR) 1
	V(PR) 2	425.7	458.5	536.6	675.5	755.8	V(PR) 2
	VTHETA PR1	-536.7	-654.3	-766.6	-877.5	-971.4	VTHETA PR1
	VTHETA PR2	-201.1	-287.0	-393.0	-515.6	-598.3	VTHETA PR2
	U 1	544.63	665.66	777.36	884.99	989.04	U 1
	U 2	616.86	705.13	794.10	884.99	973.97	U 2
	M 1	0.2942	0.3346	0.3515	0.3719	0.3574	M 1
	M 2	0.4947	0.4854	0.4769	0.5010	0.5199	M 2
	M(PR) 1	0.5672	0.6805	0.7789	0.8793	0.9507	M(PR) 1
	M(PR) 2	0.3761	0.4045	0.4716	0.5919	0.6600	M(PR) 2
	TURN(PR)	30.570	21.810	16.103	15.227	15.612	TURN(PR)
	UUBAR	0.1084	0.2136	0.2136	0.1233	0.0890	UUBAR
	LOSS PARA	0.0334	0.0628	0.0595	0.0349	0.0253	LOSS PARA
	DFAC	0.5653	0.6012	0.5638	0.4663	0.4367	DFAC
	EFFP	0.9503	0.9437	0.9005	0.8999	0.9104	EFFP
	EFF	0.9485	0.9416	0.8968	0.8957	0.9061	EFF
	INCID	10.160	7.559	6.588	4.983	4.543	INCID
	DEVM	9.390	6.249	4.985	1.157	-0.569	DEVM
	P 1	14.620	14.748	14.730	14.716	14.705	P 1
	P 2	18.809	18.981	19.106	19.709	20.457	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.520	559.880	563.320	569.110	575.330	T 2
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	48.920	49.810	47.750	40.250	39.170	BETA 2
STATION 2A	BETA 2A	5.110	4.470	3.330	4.980	5.030	BETA 2A
	V 2	560.04	550.19	542.58	571.74	595.39	V 2
	V 2A	418.79	381.69	419.35	488.10	557.78	V 2A
	VZ 2	362.42	353.26	364.37	436.37	461.14	VZ 2
	VZ 2A	415.33	379.91	418.46	486.26	555.50	VZ 2A
	V-THETA 2	415.74	418.17	401.14	369.41	375.70	V-THETA 2
	V-THETA 2A	37.14	29.70	24.35	42.37	48.89	V-THETA 2A
	M 2	0.4947	0.4854	0.4769	0.5010	0.5199	M 2
	M 2A	0.3660	0.3327	0.3653	0.4250	0.4856	M 2A
	TURN(PR)	42.844	45.006	44.345	35.270	34.096	TURN(PR)
	UUBAR	0.0042	0.1319	0.0529	0.0246	0.0148	UUBAR
	LOSS PARA	0.0017	0.0548	0.0238	0.0116	0.0072	LOSS PARA
	DFAC	0.5082	0.5937	0.5367	0.4160	0.3344	DFAC
	EFFP	0.9913	0.7670	0.8890	0.9462	0.9575	EFFP
	INCID	7.032	12.269	12.974	6.250	3.125	INCID
	DEVM	13.788	11.963	10.829	12.980	13.929	DEVM
	P 2	18.809	18.981	19.106	19.709	20.457	P 2
	P 2A	18.797	18.609	18.960	19.632	20.406	P 2A
	T 2	559.520	559.880	563.320	569.110	575.330	T 2
	T 2A	559.520	559.850	563.210	568.880	575.070	T 2A
	P21	18.902	18.775	19.094	19.820	20.482	P21
	UUBAR	0.0324	0.0604	0.0456	0.0555	0.0191	UUBAR
	LOSS PARA	0.0131	0.0250	0.0205	0.0261	0.0092	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 90.58 EQUIVALENT ROTOR SPEED = 5479.87 CORRECTED WEIGHT FLOW = 223.95

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.730	1.400	1.450	0.270	1.970	BETA 1
STATION 2	BETA 2	46.730	44.730	40.960	37.640	37.380	BETA 2
	BETA(PR) 1	58.258	58.500	60.944	63.433	66.408	BETA(PR) 1
	BETA(PR) 2	29.302	39.801	46.810	50.476	52.832	BETA(PR) 2
	V 1	346.56	407.22	427.31	441.40	425.90	V 1
	V 2	563.43	547.37	544.55	563.32	588.82	V 2
	VZ 1	334.17	401.76	425.76	441.34	425.39	VZ 1
	VZ 2	379.83	386.49	410.60	446.07	467.42	VZ 2
	V-THETA 1	4.26	9.82	10.78	2.08	14.63	V-THETA 1
	V-THETA 2	403.49	382.86	356.42	344.02	357.11	V-THETA 2
	V(PR) 1	641.9	771.7	877.3	986.8	1063.0	V(PR) 1
	V(PR) 2	447.3	506.7	600.7	700.9	774.1	V(PR) 2
	VTHETA PR1	-540.2	-655.6	-766.3	-882.6	-974.1	VTHETA PR1
	VTHETA PR2	-213.2	-322.0	-437.4	-540.7	-616.5	VTHETA PR2
	U 1	544.44	665.43	777.09	884.69	988.70	U 1
	U 2	616.65	704.88	793.83	884.69	973.63	U 2
	M 1	0.3135	0.3697	0.3985	0.4017	0.3872	M 1
	M 2	0.4995	0.4851	0.4810	0.4967	0.5168	M 2
	M(PR) 1	0.5805	0.7007	0.7976	0.8981	0.9663	M(PR) 1
	M(PR) 2	0.3966	0.4491	0.5306	0.6180	0.6794	M(PR) 2
	TURN(PR)	28.859	18.701	14.129	12.954	13.607	TURN(PR)
	UUBAR	0.1147	0.1516	0.1113	0.0928	0.0746	UUBAR
	LOSS PARA	0.0352	0.0441	0.0312	0.0259	0.0210	LOSS PARA
	DFAC	0.5359	0.5322	0.4787	0.4417	0.4206	DFAC
	EFFP	1.0075	1.0308	1.0027	1.0198	0.9836	EFFP
	EFF	1.0078	1.0318	1.0028	1.0206	0.9828	EFF
	INCID	8.719	5.161	4.263	3.430	2.996	INCID
	DEVM	9.660	6.961	4.634	1.876	-0.112	DEVM
	P 1	14.590	14.754	14.739	14.722	14.698	P 1
	P 2	18.627	18.798	19.055	19.570	20.237	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	555.900	554.720	558.090	561.760	569.200	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	46.730	44.730	40.960	37.640	37.380	BETA 2
STATION 2A	BETA 2A	7.290	3.810	3.020	2.640	4.730	BETA 2A
	V 2	563.43	547.37	544.55	563.32	588.82	V 2
	V 2A	444.45	427.51	453.96	505.83	560.17	V 2A
	VZ 2	379.83	386.49	410.60	446.07	467.42	VZ 2
	VZ 2A	438.97	425.87	453.13	505.29	558.13	VZ 2A
	V-THETA 2	403.49	382.86	356.42	344.02	357.11	V-THETA 2
	V-THETA 2A	56.16	28.36	23.91	23.30	46.18	V-THETA 2A
	M 2	0.4995	0.4851	0.4810	0.4967	0.5168	M 2
	M 2A	0.3904	0.3755	0.3982	0.4440	0.4906	M 2A
	TURN(PR)	38.477	40.580	37.865	35.000	32.607	TURN(PR)
	UUBAR	-0.0035	0.0466	0.0455	0.0260	0.0437	UUBAR
	LOSS PARA	-0.0014	0.0277	0.0205	0.0122	0.0214	LOSS PARA
	DFAC	0.4436	0.4826	0.4385	0.3705	0.3096	DFAC
	EFFP	1.0114	0.8470	0.8694	0.9111	0.6962	EFFP
	INCID	4.835	7.184	6.184	3.640	1.336	INCID
	DEVM	15.959	11.304	10.519	10.640	13.629	DEVM
	P 2	18.627	18.798	19.055	19.570	20.237	P 2
	P 2A	18.637	18.611	18.928	19.491	20.090	P 2A
	T 2	555.900	554.720	558.090	561.760	569.200	T 2
	T 2A	555.870	554.680	558.040	561.570	568.740	T 2A
	P21	18.721	18.746	19.002	19.565	20.204	P21
	UUBAR	0.0288	0.0502	0.0280	0.0252	0.0352	UUBAR
	LOSS PARA	0.0115	0.0208	0.0126	0.0118	0.0172	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 91.08 EQUIVALENT ROTOR SPEED = 5510.61 CORRECTED WEIGHT FLOW = 243.18

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.800	0.590	1.550	0.420	0.700	BETA 1
STATION 2	BETA 2	40.810	37.010	34.420	33.220	33.800	BETA 2
	BETA(PR) 1	55.252	56.065	58.602	61.622	65.545	BETA(PR) 1
	BETA(PR) 2	29.375	39.873	45.764	51.072	53.618	BETA(PR) 2
	V 1	390.10	453.12	470.94	478.77	449.97	V 1
	V 2	586.11	562.92	566.19	561.80	582.00	V 2
	VZ 1	376.14	447.15	469.21	478.70	449.67	VZ 1
	VZ 2	434.74	446.05	466.21	469.98	483.10	VZ 2
	V-THETA 1	5.25	4.60	12.70	3.51	5.49	V-THETA 1
	V-THETA 2	375.39	336.24	319.46	307.78	323.41	V-THETA 2
	V(PR) 1	668.0	804.3	901.4	1007.2	1086.3	V(PR) 1
	V(PR) 2	512.3	585.4	669.2	748.0	814.9	V(PR) 2
	VTHETA PR1	-542.2	-664.6	-768.8	-886.1	-988.7	VTHETA PR1
	VTHETA PR2	-244.7	-372.6	-478.8	-581.9	-655.7	VTHETA PR2
	U 1	547.49	669.16	781.45	889.65	994.24	U 1
	U 2	620.11	708.83	798.28	889.65	979.09	U 2
	M 1	0.3538	0.4127	0.4296	0.4370	0.4098	M 1
	M 2	0.5210	0.4997	0.5013	0.4956	0.5112	M 2
	M(PR) 1	0.6058	0.7326	0.8222	0.9193	0.9893	M(PR) 1
	M(PR) 2	0.4554	0.5196	0.5925	0.6598	0.7157	M(PR) 2
	TURN(PR)	25.739	16.181	12.830	10.547	11.958	TURN(PR)
	UUBAR	0.0649	0.0810	0.0434	0.0718	0.0824	UUBAR
	LOSS PARA	0.0199	0.0236	0.0124	0.0198	0.0228	LOSS PARA
	DFAC	0.4405	0.4331	0.3988	0.3898	0.3851	DFAC
	EFFP	0.9847	0.9852	0.9851	0.9466	0.9266	EFFP
	EFF	0.9842	0.9848	0.9846	0.9446	0.9235	EFF
	INCID	5.671	2.713	1.918	1.619	2.132	INCID
	DEVM	9.732	7.033	3.588	2.472	0.674	DEVM
	P 1	14.580	14.781	14.766	14.743	14.641	P 1
	P 2	18.453	18.618	18.947	19.127	19.621	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	555.390	554.600	557.600	561.100	567.700	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	40.810	37.010	34.420	33.220	33.800	BETA 2
STATION 2A	BETA 2A	6.420	3.370	3.010	2.300	4.350	BETA 2A
	V 2	586.11	562.92	566.19	561.80	582.00	V 2
	V 2A	525.77	505.21	518.44	543.26	586.37	V 2A
	VZ 2	434.74	446.05	466.21	469.98	483.10	VZ 2
	VZ 2A	520.23	503.51	517.50	542.81	584.55	VZ 2A
	V-THETA 2	375.39	336.24	319.46	307.78	323.41	V-THETA 2
	V-THETA 2A	58.54	29.65	27.21	21.80	44.47	V-THETA 2A
	M 2	0.5210	0.4997	0.5013	0.4956	0.5112	M 2
	M 2A	0.4646	0.4463	0.4572	0.4786	0.5154	M 2A
	TURN(PR)	33.435	33.313	31.340	30.920	29.409	TURN(PR)
	UUBAR	-0.0066	0.0352	0.0654	0.0191	0.0305	UUBAR
	LOSS PARA	-0.0026	0.0146	0.0294	0.0090	0.0149	LOSS PARA
	DFAC	0.3065	0.3241	0.3143	0.2730	0.2294	DFAC
	EFFP	0.9479	0.8363	0.6624	0.8525	1.5624	EFFP
	INCID	-1.072	-0.522	-0.351	-0.780	-2.242	INCID
	DEVM	15.092	10.865	10.509	10.300	13.249	DEVM
	P 2	18.453	18.618	18.947	19.127	19.621	P 2
	P 2A	18.474	18.515	18.751	19.070	19.523	P 2A
	T 2	555.390	554.600	557.600	561.100	567.700	T 2
	T 2A	555.900	554.600	557.400	560.850	567.350	T 2A
	P21	18.625	18.676	18.867	19.177	19.654	P21
	UUBAR	0.0438	0.0519	0.0372	0.0332	0.0382	UUBAR
	LOSS PARA	0.0172	0.0215	0.0167	0.0156	0.0186	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 89.57 EQUIVALENT ROTOR SPEED = 5418.79 CORRECTED WEIGHT FLOW = 259.54

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.940	1.200	1.018	1.376	1.296	BETA 1
STATION 2	BETA 2	32.847	29.450	27.748	26.200	25.747	BETA 2
	BETA(PR) 1	51.405	52.547	56.214	59.411	63.590	BETA(PR) 1
	BETA(PR) 2	28.519	38.548	45.464	51.747	54.656	BETA(PR) 2
	V 1	439.90	502.81	509.87	510.11	480.56	V 1
	V 2	625.76	593.37	576.27	553.85	565.60	V 2
	VZ 1	424.15	496.09	508.10	509.90	480.15	VZ 1
	VZ 2	512.85	511.98	508.94	496.95	508.78	VZ 2
	V-THETA 1	6.96	10.39	9.03	12.25	10.86	V-THETA 1
	V-THETA 2	331.10	289.07	267.74	244.53	245.37	V-THETA 2
	V(PR) 1	689.8	819.8	914.6	1002.1	1079.6	V(PR) 1
	V(PR) 2	599.7	659.5	726.6	802.6	880.0	V(PR) 2
	VTHETA PR1	-531.4	-647.6	-759.4	-862.6	-966.8	VTHETA PR1
	VTHETA PR2	-278.7	-407.9	-517.2	-630.3	-717.4	VTHETA PR2
	U 1	538.37	658.01	768.43	874.82	977.68	U 1
	U 2	609.78	697.02	784.98	874.82	962.78	U 2
	M 1	0.4003	0.4598	0.4666	0.4668	0.4387	M 1
	M 2	0.5605	0.5309	0.5147	0.4929	0.5020	M 2
	M(PR) 1	0.6277	0.7497	0.8369	0.9169	0.9855	M(PR) 1
	M(PR) 2	0.5372	0.5901	0.6489	0.7143	0.7811	M(PR) 2
	TURN(PR)	22.694	13.969	10.739	7.662	8.963	TURN(PR)
	UUBAR	0.0123	0.0348	0.0335	0.0452	0.0463	UUBAR
	LOSS PARA	0.0038	0.0103	0.0096	0.0123	0.0125	LOSS PARA
	DFAC	0.3068	0.3284	0.3229	0.3006	0.2853	DFAC
	EFFP	1.0000	1.0082	1.0336	0.9531	0.9411	EFFP
	EFF	1.0000	1.0085	1.0346	0.9518	0.9392	EFF
	INCID	1.786	-0.820	-0.474	-0.592	0.176	INCID
	DEVM	8.892	5.711	3.287	3.146	1.713	DEVM
	P 1	14.585	14.807	14.771	14.750	14.652	P 1
	P 2	18.047	18.109	18.192	18.043	18.297	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	551.250	549.155	549.450	551.000	554.900	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	32.847	29.450	27.748	26.200	25.747	BETA 2
STATION 2A	BETA 2A	4.320	3.290	2.940	2.150	3.950	BETA 2A
	V 2	625.76	593.37	576.27	553.85	565.60	V 2
	V 2A	664.05	631.65	601.27	604.49	621.58	V 2A
	VZ 2	512.85	511.98	508.94	496.95	508.78	VZ 2
	VZ 2A	659.31	629.58	600.21	604.05	619.96	VZ 2A
	V-THETA 2	331.10	289.07	267.74	244.53	245.37	V-THETA 2
	V-THETA 2A	49.81	36.19	30.83	22.68	42.81	V-THETA 2A
	M 2	0.5605	0.5309	0.5147	0.4929	0.5020	M 2
	M 2A	0.5972	0.5673	0.5382	0.5410	0.5547	M 2A
	TURN(PR)	27.645	25.870	24.746	24.050	21.762	TURN(PR)
	UUBAR	-0.0537	-0.0392	0.0653	-0.0015	0.0364	UUBAR
	LOSS PARA	-0.0211	-0.0163	0.0294	-0.0007	0.0178	LOSS PARA
	DFAC	0.1081	0.1085	0.1396	0.0974	0.0782	DFAC
	EFFP	0.6316	0.7412	1.6591	0.8381	1.1202	EFFP
	INCID	-8.954	-8.045	-7.015	-7.800	-10.289	INCID
	DEVM	13.001	10.785	10.439	10.150	12.849	DEVM
	P 2	18.047	18.109	18.192	18.043	18.297	P 2
	P 2A	18.233	18.233	17.996	18.047	18.192	P 2A
	T 2	551.250	549.155	549.450	551.000	554.900	T 2
	T 2A	551.250	549.155	549.450	550.040	554.710	T 2A
	P21	18.231	18.147	18.119	18.121	18.315	P21
	UUBAR	0.0534	0.0501	0.0405	0.0237	0.0400	UUBAR
	LOSS PARA	0.0209	0.0208	0.0182	0.0110	0.0195	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 100.92 EQUIVALENT ROTOR SPEED = 6105.84 CORRECTED WEIGHT FLOW = 208.52

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.530	1.790	1.830	1.660	4.730	BETA 1
STATION 2	BETA 2	50.300	53.800	54.800	44.900	45.100	BETA 2
	BETA(PR) 1	62.187	62.451	65.185	66.818	69.948	BETA(PR) 1
	BETA(PR) 2	28.548	40.356	46.462	49.143	52.467	BETA(PR) 2
	V 1	327.36	385.81	396.04	417.17	391.87	V 1
	V 2	624.13	602.63	621.79	646.46	667.26	V 2
	VZ 1	315.57	380.56	394.53	416.94	390.31	VZ 1
	VZ 2	392.95	354.41	358.10	457.91	470.62	VZ 2
	V-THETA 1	8.43	11.89	12.61	12.08	32.29	V-THETA 1
	V-THETA 2	473.31	484.24	507.64	456.32	472.27	V-THETA 2
	V(PR) 1	681.9	825.2	940.6	1059.2	1138.4	V(PR) 1
	V(PR) 2	459.6	468.4	520.5	700.0	773.0	V(PR) 2
	VTHETA PR1	-598.2	-729.5	-853.3	-973.7	-1069.3	VTHETA PR1
	VTHETA PR2	-213.8	-301.2	-376.9	-529.4	-612.6	VTHETA PR2
	U 1	606.63	741.44	865.86	985.74	1101.64	U 1
	U 2	687.09	785.40	884.51	985.74	1084.85	U 2
	M 1	0.2958	0.3498	0.3593	0.3790	0.3554	M 1
	M 2	0.5487	0.5278	0.5423	0.5617	0.5750	M 2
	M(PR) 1	0.6161	0.7482	0.8533	0.9623	1.0325	M(PR) 1
	M(PR) 2	0.4040	0.4102	0.4540	0.6082	0.6660	M(PR) 2
	TURN(PR)	33.598	22.124	18.727	17.673	17.515	TURN(PR)
	UUBAR	0.0961	0.2665	0.3269	0.2028	0.1580	UUBAR
	LOSS PARA	0.0297	0.0770	0.0923	0.0582	0.0448	LOSS PARA
	DFAC	0.5814	0.6559	0.6648	0.5230	0.4995	DFAC
	EFFP	0.9575	0.8985	0.8566	0.8528	0.8393	EFFP
	EFF	0.9555	0.8939	0.8497	0.8450	0.8296	EFF
	INCID	12.719	9.140	8.512	6.816	6.537	INCID
	DEVN	8.921	7.515	4.286	0.543	-0.478	DEVN
	P 1	14.610	14.774	14.764	14.764	14.580	P 1
	P 2	20.153	20.184	20.573	21.260	22.100	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	570.950	572.800	579.400	586.100	597.600	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.300	53.800	54.800	44.900	45.100	BETA 2
STATION 2A	BETA 2A	4.500	3.650	-0.350	3.600	7.550	BETA 2A
	V 2	624.13	602.63	621.79	646.46	667.26	V 2
	V 2A	447.63	392.73	438.89	508.54	610.23	V 2A
	VZ 2	392.95	354.41	358.10	457.91	470.62	VZ 2
	VZ 2A	444.33	391.30	438.69	507.53	604.80	VZ 2A
	V-THETA 2	473.31	484.24	507.64	456.32	472.27	V-THETA 2
	V-THETA 2A	34.97	24.96	-2.68	31.93	80.16	V-THETA 2A
	M 2	0.5487	0.5278	0.5423	0.5617	0.5750	M 2
	M 2A	0.3879	0.3386	0.3772	0.4368	0.5233	M 2A
	TURN(PR)	44.838	49.826	55.078	41.300	37.506	TURN(PR)
	UUBAR	0.0522	0.1645	0.1429	0.1400	0.0439	UUBAR
	LOSS PARA	0.0205	0.0684	0.0644	0.0659	0.0213	LOSS PARA
	DFAC	0.5490	0.6589	0.6605	0.5228	0.3761	DFAC
	EFFP	0.9038	0.7409	0.7444	0.6906	0.8577	EFFP
	INCID	8.418	16.270	20.028	10.900	9.054	INCID
	DEVN	13.181	11.144	7.150	11.600	16.448	DEVN
	P 2	20.153	20.184	20.573	21.260	22.100	P 2
	P 2A	19.959	19.610	20.041	20.686	21.905	P 2A
	T 2	570.950	572.800	579.400	586.100	597.600	T 2
	T 2A	570.950	572.750	579.350	585.700	596.900	T 2A
	P21	20.180	19.865	20.423	21.218	22.181	P21
	UUBAR	0.0567	0.0637	0.1047	0.1291	0.0590	UUBAR
	LOSS PARA	0.0222	0.0348	0.0471	0.0607	0.0286	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 100.70 EQUIVALENT ROTOR SPEED = 6092.24 CORRECTED WEIGHT FLOW = 225.32

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.170	1.420	1.720	2.170	4.000	BETA 1
STATION 2	BETA 2	50.500	52.600	51.300	40.900	44.300	BETA 2
	BETA(PR) 1	60.421	61.463	63.731	65.234	63.904	BETA(PR) 1
	BETA(PR) 2	28.818	40.215	47.662	49.391	51.373	BETA(PR) 2
	V 1	352.25	402.35	421.76	446.49	414.16	V 1
	V 2	620.09	601.83	602.37	640.20	679.59	V 2
	VZ 1	339.61	396.95	420.17	446.13	412.91	VZ 1
	VZ 2	388.80	363.90	376.23	483.89	485.98	VZ 2
	V-THETA 1	6.94	9.84	12.62	16.51	28.87	V-THETA 1
	V-THETA 2	471.65	475.96	469.62	419.16	474.24	V-THETA 2
	V(PR) 1	694.3	833.4	950.0	1065.0	1147.3	V(PR) 1
	V(PR) 2	455.9	479.9	559.3	743.4	779.0	V(PR) 2
	VTHETA PR1	-598.3	-729.9	-851.3	-967.0	-1070.3	VTHETA PR1
	VTHETA PR2	-213.9	-307.7	-412.9	-564.4	-609.2	VTHETA PR2
	U 1	605.28	739.79	863.93	983.55	1099.18	U 1
	U 2	685.56	783.65	882.54	983.55	1082.43	U 2
	M 1	0.3187	0.3652	0.3933	0.4065	0.3762	M 1
	M 2	0.5457	0.5276	0.5261	0.5574	0.5887	M 2
	M(PR) 1	0.6282	0.7564	0.8633	0.9696	1.0421	M(PR) 1
	M(PR) 2	0.4012	0.4207	0.4885	0.6473	0.6749	M(PR) 2
	TURN(PR)	31.534	21.269	16.070	15.841	17.564	TURN(PR)
	UUBAR	0.1244	0.2615	0.2621	0.1120	0.1653	UUBAR
	LOSS PARA	0.0384	0.0757	0.0724	0.0320	0.0481	LOSS PARA
	DFAC	0.5941	0.6425	0.6107	0.4677	0.5003	DFAC
	EFFP	0.9623	0.8980	0.8811	0.8951	0.8859	EFFP
	EFF	0.9606	0.8935	0.8755	0.8896	0.8790	EFF
	INCID	10.919	8.143	7.055	5.231	5.493	INCID
	DEVM	9.185	7.374	5.485	0.791	-1.571	DEVM
	P 1	14.604	14.768	14.757	14.747	14.624	P 1
	P 2	19.987	20.059	20.366	21.277	22.146	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	569.350	571.780	575.810	583.080	592.980	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.500	52.600	51.300	40.900	44.300	BETA 2
STATION 2A	BETA 2A	4.450	4.500	2.450	4.600	6.550	BETA 2A
	V 2	620.09	601.83	602.37	640.20	679.59	V 2
	V 2A	444.90	403.01	441.24	518.62	607.06	V 2A
	VZ 2	388.80	363.90	376.23	483.89	485.98	VZ 2
	VZ 2A	441.65	401.12	440.64	516.95	602.96	VZ 2A
	V-THETA 2	471.65	475.96	469.62	419.16	474.24	V-THETA 2
	V-THETA 2A	34.37	31.57	18.85	41.59	69.23	V-THETA 2A
	M 2	0.5457	0.5276	0.5261	0.5574	0.5887	M 2
	M 2A	0.3860	0.3480	0.3805	0.4470	0.5225	M 2A
	TURN(PR)	45.089	47.773	48.776	36.300	37.706	TURN(PR)
	UUBAR	0.0503	0.1270	0.0994	0.1062	0.0442	UUBAR
	LOSS PARA	0.0197	0.0527	0.0447	0.0499	0.0215	LOSS PARA
	DFAC	0.5499	0.6311	0.6012	0.4679	0.4013	DFAC
	EFFP	0.9088	0.7891	0.8072	0.7437	0.8588	EFFP
	INCID	8.620	15.066	16.525	6.900	8.254	INCID
	DEVM	13.131	11.993	9.949	12.600	15.449	DEVM
	P 2	19.987	20.059	20.366	21.277	22.146	P 2
	P 2A	19.803	19.619	20.018	20.847	21.942	P 2A
	T 2	569.350	571.780	575.810	583.080	592.980	T 2
	T 2A	569.320	571.810	575.780	582.750	592.500	T 2A
	P21	20.013	19.846	20.153	21.330	22.199	P21
	UUBAR	0.0588	0.1453	0.0434	0.1195	0.0567	UUBAR
	LOSS PARA	0.0230	0.0602	0.0195	0.0561	0.0275	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 100.66 EQUIVALENT ROTOR SPEED = 6090.00 CORRECTED WEIGHT FLOW = 246.23

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.980	0.920	0.800	0.810	0.880	BETA 1
STATION 2	BETA 2	48.050	46.450	41.450	38.500	41.500	BETA 2
	BETA(PR) 1	57.949	58.241	60.465	62.923	67.299	BETA(PR) 1
	BETA(PR) 2	29.307	40.284	45.998	49.386	52.586	BETA(PR) 2
	V 1	388.74	459.37	487.12	499.14	457.04	V 1
	V 2	622.22	602.02	614.39	640.46	659.69	V 2
	VZ 1	374.81	453.27	485.46	499.03	456.71	VZ 1
	VZ 2	409.41	412.40	459.81	501.22	493.63	VZ 2
	V-THETA 1	6.41	7.28	6.78	7.06	7.02	V-THETA 1
	V-THETA 2	455.49	433.82	406.09	398.69	436.73	V-THETA 2
	V(PR) 1	713.8	864.4	985.6	1096.3	1183.5	V(PR) 1
	V(PR) 2	482.2	544.4	662.8	770.0	812.9	V(PR) 2
	VTHETA PR1	-598.6	-732.2	-856.8	-976.1	-1091.8	VTHETA PR1
	VTHETA PR2	-229.8	-349.5	-476.1	-584.5	-645.3	VTHETA PR2
	U 1	605.06	739.52	863.61	983.19	1098.78	U 1
	U 2	685.31	783.36	882.21	983.19	1082.04	U 2
	M 1	0.3525	0.4186	0.4449	0.4563	0.4164	M 1
	M 2	0.5484	0.5294	0.5393	0.5598	0.5717	M 2
	M(PR) 1	0.6472	0.7877	0.9001	1.0023	1.0784	M(PR) 1
	M(PR) 2	0.4250	0.4788	0.5817	0.6730	0.7045	M(PR) 2
	TURN(PR)	28.540	17.958	14.462	13.534	14.746	TURN(PR)
	UUBAR	0.0997	0.1653	0.1040	0.0855	0.1478	UUBAR
	LOSS PARA	0.0306	0.0478	0.0296	0.0244	0.0419	LOSS PARA
	DFAC	0.5601	0.5627	0.4955	0.4543	0.4810	DFAC
	EFFP	0.9652	0.9440	0.9758	0.9529	0.8924	EFFP
	EFF	0.9636	0.9416	0.9746	0.9504	0.8861	EFF
	INCID	8.405	4.901	3.784	2.920	3.887	INCID
	DEVM	9.665	7.443	3.822	0.786	-0.359	DEVM
	P 1	14.592	14.799	14.773	14.763	14.577	P 1
	P 2	19.836	20.017	20.589	21.285	21.842	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	568.050	568.350	571.650	578.850	590.400	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	48.050	46.450	41.450	38.500	41.500	BETA 2
STATION 2A	BETA 2A	6.750	5.450	2.990	3.200	5.600	BETA 2A
	V 2	622.22	602.02	614.39	640.46	659.69	V 2
	V 2A	469.69	451.96	492.63	564.57	619.32	V 2A
	VZ 2	409.41	412.40	459.81	501.22	493.63	VZ 2
	VZ 2A	464.44	449.19	491.75	563.68	616.22	VZ 2A
	V-THETA 2	455.49	433.82	406.09	398.69	436.73	V-THETA 2
	V-THETA 2A	54.97	42.86	25.69	31.51	60.42	V-THETA 2A
	M 2	0.5484	0.5294	0.5393	0.5598	0.5717	M 2
	M 2A	0.4086	0.3930	0.4282	0.4904	0.5354	M 2A
	TURN(PR)	40.337	40.663	38.385	35.300	35.856	TURN(PR)
	UUBAR	0.0351	0.0889	0.0935	0.0329	0.0261	UUBAR
	LOSS PARA	0.0137	0.0369	0.0421	0.0155	0.0127	LOSS PARA
	DFAC	0.4882	0.5133	0.4741	0.3888	0.3432	DFAC
	EFFP	0.9059	0.8694	0.8092	0.9661	1.2616	EFFP
	INCID	6.158	8.904	6.674	4.500	5.454	INCID
	DEVM	15.421	12.941	10.489	11.200	14.499	DEVM
	P 2	19.836	20.017	20.589	21.285	21.842	P 2
	P 2A	19.707	19.707	20.244	21.151	21.729	P 2A
	T 2	568.050	568.350	571.650	578.850	590.400	T 2
	T 2A	568.390	567.500	571.000	578.050	588.780	T 2A
	P21	19.878	19.795	20.362	21.228	21.909	P21
	UUBAR	0.0472	0.0284	0.0356	0.0204	0.0409	UUBAR
	LOSS PARA	0.0184	0.0117	0.0160	0.0096	0.0199	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 100.78 EQUIVALENT ROTOR SPEED = 6096.93 CORRECTED WEIGHT FLOW = 263.29

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.260	0.730	1.300	1.370	0.860	BETA 1
STATION 2	BETA 2	42.800	39.200	36.700	35.800	36.400	BETA 2
	BETA(PR) 1	54.405	55.667	58.144	61.355	65.093	BETA(PR) 1
	BETA(PR) 2	28.978	40.337	46.094	51.223	53.578	BETA(PR) 2
	V 1	442.77	508.02	531.67	530.94	507.61	V 1
	V 2	644.01	612.35	618.43	617.30	643.83	V 2
	VZ 1	426.87	501.30	529.77	530.72	507.25	VZ 1
	VZ 2	463.63	471.09	494.99	500.67	517.68	VZ 2
	V-THETA 1	9.39	6.39	12.02	12.69	7.61	V-THETA 1
	V-THETA 2	429.33	384.21	368.95	361.09	381.67	V-THETA 2
	V(PR) 1	742.7	892.6	1004.7	1107.1	1204.6	V(PR) 1
	V(PR) 2	544.4	622.4	714.7	799.4	872.4	V(PR) 2
	VTHETA PR1	-596.4	-734.0	-852.6	-971.6	-1092.4	VTHETA PR1
	VTHETA PR2	-256.8	-400.0	-514.3	-623.2	-701.6	VTHETA PR2
	U 1	605.75	740.36	864.59	984.31	1100.03	U 1
	U 2	686.09	784.25	883.22	984.31	1083.27	U 2
	M 1	0.4030	0.4648	0.4874	0.4867	0.4644	M 1
	M 2	0.5695	0.5400	0.5448	0.5414	0.5607	M 2
	M(PR) 1	0.6760	0.8166	0.9211	1.0149	1.1020	M(PR) 1
	M(PR) 2	0.4814	0.5489	0.6296	0.7011	0.7597	M(PR) 2
	TURN(PR)	25.273	15.317	12.041	10.130	11.545	TURN(PR)
	UUBAR	0.0324	0.0714	0.0449	0.0658	0.1126	UUBAR
	LOSS PARA	0.0100	0.0206	0.0128	0.0181	0.0311	LOSS PARA
	DFAC	0.4790	0.4679	0.4360	0.4159	0.4193	DFAC
	EFFP	0.9755	0.9530	1.0000	0.9580	0.8861	EFFP
	EFF	0.9745	0.9510	1.0000	0.9560	0.8801	EFF
	INCID	4.814	2.313	1.459	1.352	1.680	INCID
	DEVM	9.341	7.496	3.917	2.623	0.634	DEVM
	P 1	14.535	14.794	14.784	14.753	14.629	P 1
	P 2	19.664	19.840	20.327	20.575	21.052	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.700	566.400	568.100	572.800	583.300	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	42.800	39.200	36.700	35.800	36.400	BETA 2
STATION 2A	BETA 2A	6.250	4.000	3.250	2.200	4.600	BETA 2A
	V 2	644.01	612.35	618.43	617.30	643.83	V 2
	V 2A	543.11	526.24	555.68	586.57	617.15	V 2A
	VZ 2	463.63	471.09	494.99	500.67	517.68	VZ 2
	VZ 2A	537.57	524.11	554.54	596.13	615.02	VZ 2A
	V-THETA 2	429.33	384.21	368.95	361.09	381.67	V-THETA 2
	V-THETA 2A	58.87	36.65	31.49	22.52	49.48	V-THETA 2A
	M 2	0.5695	0.5400	0.5448	0.5414	0.5607	M 2
	M 2A	0.4762	0.4612	0.4869	0.5135	0.5370	M 2A
	TURN(PR)	35.586	34.868	33.378	33.600	31.757	TURN(PR)
	UUBAR	0.0347	0.0609	0.0502	0.0	0.0307	UUBAR
	LOSS PARA	0.0136	0.0253	0.0226	0.0	0.0150	LOSS PARA
	DFAC	0.3736	0.3714	0.3446	0.3084	0.2964	DFAC
	EFFP	0.9559	0.9653	0.8186	1.6049	2.1958	EFFP
	INCID	0.909	1.662	1.927	1.800	0.356	INCID
	DEVM	14.923	11.494	10.749	10.200	13.499	DEVM
	P 2	19.664	19.840	20.327	20.575	21.052	P 2
	P 2A	19.529	19.622	20.140	20.575	20.928	P 2A
	T 2	566.700	566.400	568.100	572.800	583.300	T 2
	T 2A	566.020	564.860	567.700	571.600	581.300	T 2A
	P21	19.700	19.777	20.259	20.699	21.103	P21
	UUBAR	0.0436	0.0442	0.0326	0.0323	0.0429	UUBAR
	LOSS PARA	0.0170	0.0183	0.0146	0.0000	0.0209	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 100.15 EQUIVALENT ROTOR SPEED = 6059.09 CORRECTED WEIGHT FLOW = 277.16

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.200	1.200	1.200	1.320	1.440	BETA 1
STATION 2	BETA 2	33.550	29.980	29.220	28.800	29.500	BETA 2
	BETA(PR) 1	50.953	53.333	56.900	60.487	64.475	BETA(PR) 1
	BETA(PR) 2	28.539	39.531	46.647	54.969	56.092	BETA(PR) 2
	V 1	498.02	546.66	554.54	546.82	516.30	V 1
	V 2	694.57	647.57	622.63	564.84	603.08	V 2
	VZ 1	480.15	539.36	552.58	546.60	515.82	VZ 1
	VZ 2	564.91	555.85	542.29	494.97	524.25	VZ 2
	V-THETA 1	10.06	11.30	11.57	12.59	12.97	V-THETA 1
	V-THETA 2	374.62	320.66	303.33	272.11	296.61	V-THETA 2
	V(PR) 1	773.5	907.5	1012.9	1109.6	1197.2	V(PR) 1
	V(PR) 2	660.7	725.9	791.0	862.3	940.2	V(PR) 2
	VTHETA PR1	-591.9	-724.5	-847.7	-965.6	-1080.2	VTHETA PR1
	VTHETA PR2	-367.2	-458.7	-574.4	-706.1	-779.9	VTHETA PR2
	U 1	601.99	735.76	859.23	978.20	1093.20	U 1
	U 2	681.83	779.39	877.73	978.20	1076.55	U 2
	M 1	0.4553	0.5018	0.5095	0.5020	0.4727	M 1
	M 2	0.6212	0.5772	0.5530	0.4994	0.5315	M 2
	M(PR) 1	0.7071	0.8331	0.9305	1.0187	1.0961	M(PR) 1
	M(PR) 2	0.5909	0.6470	0.7025	0.7625	0.8287	M(PR) 2
	TURN(PR)	22.219	13.777	10.242	5.515	8.412	TURN(PR)
	UUBAR	0.0220	0.0368	0.0640	0.1135	0.1298	UUBAR
	LOSS PARA	0.0068	0.0108	0.0180	0.0286	0.0337	LOSS PARA
	DFAC	0.3227	0.3333	0.3386	0.3254	0.3241	DFAC
	EFFP	0.9730	0.9524	0.9323	0.8311	0.8283	EFFP
	EFF	0.9719	0.9506	0.9299	0.8258	0.8221	EFF
	INCID	1.330	-0.031	0.213	0.484	1.062	INCID
	DEVM	8.911	6.692	4.471	6.369	3.150	DEVM
	P 1	14.580	14.832	14.772	14.758	14.616	P 1
	P 2	18.975	19.012	18.949	18.334	18.824	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	560.430	558.810	559.830	558.870	566.000	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	33.550	29.980	29.220	28.800	29.500	BETA 2
STATION 2A	BETA 2A	5.810	4.520	5.090	2.870	6.430	BETA 2A
	V 2	694.57	647.57	622.63	564.84	603.08	V 2
	V 2A	718.56	668.98	667.28	643.86	675.05	V 2A
	VZ 2	564.91	555.85	542.29	494.97	524.25	VZ 2
	VZ 2A	711.80	665.82	664.36	643.05	670.65	VZ 2A
	V-THETA 2	374.62	320.66	303.33	272.11	296.61	V-THETA 2
	V-THETA 2A	72.43	52.63	59.18	32.24	75.58	V-THETA 2A
	M 2	0.6212	0.5772	0.5530	0.4994	0.5315	M 2
	M 2A	0.6444	0.5976	0.5954	0.5736	0.5996	M 2A
	TURN(PR)	26.954	25.169	24.067	25.930	23.032	TURN(PR)
	UUBAR	0.0576	0.1262	0.0748	-0.0345	0.0411	UUBAR
	LOSS PARA	0.0225	0.0524	0.0336	-0.0162	0.0200	LOSS PARA
	DFAC	0.1287	0.1346	0.1025	0.0603	0.0623	DFAC
	EFFP	1.6972	2.6552	1.4393	0.8945	1.0769	EFFP
	INCID	-8.261	-7.519	-5.545	-5.200	-6.539	INCID
	DEVM	14.485	12.013	12.588	10.870	15.329	DEVM
	P 2	18.975	19.012	18.949	18.334	18.824	P 2
	P 2A	18.725	18.527	18.683	18.433	18.688	P 2A
	T 2	560.430	558.810	559.830	558.870	566.000	T 2
	T 2A	560.430	558.820	559.820	558.840	565.500	T 2A
	P21	19.155	18.481	18.944	19.024	18.694	P21
	UUBAR	0.0828	0.0388	0.0610	0.1642	0.0590	UUBAR
	LOSS PARA	0.0323	0.0161	0.0274	0.0771	0.0287	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.24 EQUIVALENT ROTOR SPEED = 4249.80 CORRECTED WEIGHT FLOW = 144.32

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.425	0.309	0.262	0.330	0.431	BETA 1
ROTOR -T.E.	BETA 2	51.977	53.034	51.906	45.608	43.795	BETA 2
	BETA(PR) 1	63.150	64.170	66.506	68.068	70.851	BETA(PR) 1
	BETA(PR) 2	27.464	39.412	46.555	48.945	54.557	BETA(PR) 2
	V 1	230.17	258.18	264.73	276.44	265.40	V 1
	V 2	433.77	423.05	428.00	451.57	443.42	V 2
	VZ 1	218.37	253.19	263.38	276.37	265.17	VZ 1
	VZ 2	263.41	253.17	263.74	315.89	319.84	VZ 2
	V-THETA 1	1.62	1.36	1.20	1.59	2.00	V-THETA 1
	V-THETA 2	336.87	336.38	336.43	322.67	306.66	V-THETA 2
	V(PR) 1	488.9	583.3	661.2	739.9	808.5	V(PR) 1
	V(PR) 2	305.6	330.3	384.1	481.0	551.8	V(PR) 2
	VTHETA PR1	-431.4	-523.0	-605.9	-686.4	-763.7	VTHETA PR1
	VTHETA PR2	-136.9	-208.0	-278.5	-362.7	-449.3	VTHETA PR2
	U 1	432.98	524.40	607.10	687.95	765.65	U 1
	U 2	473.78	544.43	614.89	685.36	756.01	U 2
	M 1	0.2071	0.2325	0.2385	0.2492	0.2391	M 1
	M 2	0.3858	0.3760	0.3794	0.3998	0.3907	M 2
	M(PR) 1	0.4398	0.5253	0.5956	0.6669	0.7283	M(PR) 1
	M(PR) 2	0.2719	0.2936	0.3405	0.4259	0.4862	M(PR) 2
	TURN(PR)	35.305	24.690	19.933	19.119	16.316	TURN(PR)
	UUBAR	0.1443	0.2484	0.2824	0.2145	0.1837	UUBAR
	LOSS PARA	0.0451	0.0727	0.0796	0.0618	0.0496	LOSS PARA
	DFAC	0.6272	0.6555	0.6283	0.5399	0.4919	DFAC
	EFFP	1.0330	1.0293	0.9476	0.9495	0.8725	EFFP
	EFF	1.0337	1.0299	0.9463	0.9482	0.8690	EFF
	INCID	13.317	10.729	9.799	8.063	7.436	INCID
	DEVM	7.811	6.539	4.365	0.344	1.620	DEVM
	P 1	14.666	14.717	14.707	14.700	14.673	P 1
	P 2	17.154	17.212	17.305	17.628	17.789	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.670	541.750	544.780	547.840	552.455	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	49.298	51.080	50.365	44.319	42.901	BETA 2
STATOR-T.E.	BETA 2A	7.230	5.088	3.824	4.665	4.571	BETA 2A
	V 2	442.91	431.18	436.07	461.35	452.78	V 2
	V 2A	312.55	287.50	301.86	348.91	394.10	V 2A
	VZ 2	284.76	269.69	277.91	330.08	331.37	VZ 2
	VZ 2A	307.75	285.57	300.97	347.75	382.72	VZ 2A
	V-THETA 2	331.04	334.00	335.52	322.32	307.94	V-THETA 2
	V-THETA 2A	39.04	25.42	20.12	28.38	30.60	V-THETA 2A
	M 2	0.3942	0.3834	0.3868	0.4088	0.3992	M 2
	M 2A	0.2760	0.2536	0.2657	0.3070	0.3372	M 2A
	TURN(PR)	41.192	45.696	46.481	39.654	38.284	TURN(PR)
	UUBAR	0.0393	0.1196	0.1069	0.0979	0.0512	UUBAR
	LOSS PARA	0.0154	0.0496	0.0481	0.0460	0.0250	LOSS PARA
	DFAC	0.5466	0.6268	0.6313	0.5437	0.4525	DFAC
	EFFP	0.9261	0.7963	0.8082	0.8066	0.8645	EFFP
	INCID	7.468	13.569	15.602	10.319	6.853	INCID
	DEVM	15.876	12.573	11.321	12.665	13.469	DEVM
	P 2	17.154	17.212	17.305	17.628	17.789	P 2
	P 2A	17.085	17.014	17.124	17.440	17.694	P 2A
	T 2	541.670	541.750	544.780	547.840	552.455	T 2
	T 2A	541.670	541.740	544.750	547.630	552.250	T 2A
	P21	17.176	17.065	17.328	17.690	17.867	P21
	UUBAR	0.0503	0.0326	0.1174	0.1254	0.0884	UUBAR
	LOSS PARA	0.0197	0.0135	0.0528	0.0589	0.0431	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 69.83 EQUIVALENT ROTOR SPEED = 4224.48 CORRECTED WEIGHT FLOW = 165.30

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.256	0.149	0.534	1.346	0.912	BETA 1
ROTOR -T.E.	BETA 2	48.218	45.503	42.070	38.409	37.682	BETA 2
	BETA(PR) 1	60.312	60.252	62.281	64.494	68.220	BETA(PR) 1
	BETA(PR) 2	27.601	38.405	45.173	49.881	54.523	BETA(PR) 2
	V 1	257.98	303.32	317.18	322.82	302.48	V 1
	V 2	437.70	429.32	432.14	439.21	436.86	V 2
	VZ 1	244.75	297.46	315.55	322.65	302.19	VZ 1
	VZ 2	286.82	298.92	320.24	344.15	345.43	VZ 2
	V-THETA 1	1.09	0.77	2.94	7.58	4.81	V-THETA 1
	V-THETA 2	321.00	304.22	289.05	272.86	266.81	V-THETA 2
	V(PR) 1	500.9	602.4	679.2	749.3	814.5	V(PR) 1
	V(PR) 2	333.2	384.6	455.0	534.1	595.5	V(PR) 2
	VTHETA PR1	-429.3	-520.5	-600.5	-676.3	-756.3	VTHETA PR1
	VTHETA PR2	-150.0	-237.0	-322.2	-408.4	-484.7	VTHETA PR2
	U 1	430.40	521.28	603.49	683.85	761.09	U 1
	U 2	470.96	541.19	611.23	681.27	751.50	U 2
	M 1	0.2323	0.2737	0.2864	0.2916	0.2730	M 1
	M 2	0.3891	0.3816	0.3836	0.3890	0.3857	M 2
	M(PR) 1	0.4511	0.5437	0.6133	0.6769	0.7350	M(PR) 1
	M(PR) 2	0.2962	0.3418	0.4038	0.4730	0.5258	M(PR) 2
	TURN(PR)	32.252	21.734	17.077	14.609	13.717	TURN(PR)
	UUBAR	0.1104	0.1589	0.1322	0.0896	0.0917	UUBAR
	LOSS PARA	0.0344	0.0472	0.0382	0.0253	0.0248	LOSS PARA
	DFAC	0.5697	0.5561	0.5040	0.4422	0.4178	DFAC
	EFFP	0.9631	0.9731	0.9735	0.9403	0.9151	EFFP
	EFF	0.9623	0.9725	0.9729	0.9388	0.9129	EFF
	INCID	10.398	6.769	5.560	4.489	4.803	INCID
	DEVM	7.946	5.535	2.983	1.279	1.585	DEVM
	P 1	14.637	14.719	14.725	14.717	14.675	P 1
	P 2	17.026	17.117	17.299	17.499	17.672	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.500	542.200	543.820	546.720	549.690	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	45.830	43.968	40.960	37.413	36.966	BETA 2
STATOR-T.E.	BETA 2A	7.641	4.561	3.806	3.827	3.950	BETA 2A
	V 2	446.95	437.61	440.32	448.62	446.03	V 2
	V 2A	345.71	330.72	343.54	382.71	407.61	V 2A
	VZ 2	306.43	313.15	332.09	356.33	355.99	VZ 2
	VZ 2A	340.10	328.75	342.53	381.85	406.47	VZ 2A
	V-THETA 2	315.45	302.06	288.27	272.56	267.93	V-THETA 2
	V-THETA 2A	45.62	26.22	22.79	25.54	28.07	V-THETA 2A
	M 2	0.3976	0.3892	0.3910	0.3976	0.3941	M 2
	M 2A	0.3056	0.2922	0.3033	0.3377	0.3593	M 2A
	TURN(PR)	37.308	39.102	37.093	33.587	32.971	TURN(PR)
	UUBAR	0.0115	0.0840	0.1005	0.0375	0.0367	UUBAR
	LOSS PARA	0.0045	0.0349	0.0452	0.0177	0.0179	LOSS PARA
	DFAC	0.4572	0.5027	0.4894	0.4061	0.3503	DFAC
	EFFP	0.9731	0.8148	0.7595	0.8838	0.8391	EFFP
	INCID	3.992	6.450	6.196	3.413	0.920	INCID
	DEVM	16.283	12.048	11.303	11.827	12.849	DEVM
	P 2	17.026	17.117	17.299	17.499	17.672	P 2
	P 2A	17.006	16.974	17.125	17.432	17.607	P 2A
	T 2	542.500	542.200	543.820	546.720	549.690	T 2
	T 2A	542.500	542.200	543.800	546.650	549.530	T 2A
	P21	17.052	17.002	17.204	17.437	17.695	P21
	UUBAR	0.0227	0.0134	0.0046	0.0098	0.0452	UUBAR
	LOSS PARA	0.0088	0.0055	0.0200	0.0046	0.0220	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.10 EQUIVALENT ROTOR SPEED = 4241.10 CORRECTED WEIGHT FLOW = 179.51

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.693	0.915	1.260	1.520	1.403	BETA 1
ROTOR -T.E.	BETA 2	42.368	38.846	35.760	33.513	33.689	BETA 2
	BETA(PR) 1	58.315	57.570	60.157	62.575	65.755	BETA(PR) 1
	BETA(PR) 2	28.974	39.600	46.615	51.627	54.959	BETA(PR) 2
	V 1	279.06	335.68	345.09	351.62	340.75	V 1
	V 2	445.57	430.77	426.14	426.13	433.72	V 2
	VZ 1	264.74	329.16	343.25	351.41	340.36	VZ 1
	VZ 2	322.55	332.79	345.09	355.28	360.54	VZ 2
	V-THETA 1	3.20	5.26	7.55	9.33	8.34	V-THETA 1
	V-THETA 2	294.20	268.01	248.52	235.27	240.34	V-THETA 2
	V(PR) 1	511.7	617.3	690.7	763.0	829.0	V(PR) 1
	V(PR) 2	379.3	435.3	503.1	572.3	628.2	V(PR) 2
	VTHETA PR1	-428.9	-518.1	-598.3	-677.2	-755.7	VTHETA PR1
	VTHETA PR2	-178.6	-275.3	-365.1	-448.7	-514.1	VTHETA PR2
	U 1	432.10	523.33	605.86	686.55	764.08	U 1
	U 2	472.81	543.31	613.63	683.95	754.46	U 2
	M 1	0.2515	0.3034	0.3121	0.3181	0.3081	M 1
	M 2	0.3967	0.3832	0.3786	0.3778	0.3839	M 2
	M(PR) 1	0.4612	0.5580	0.6247	0.6903	0.7496	M(PR) 1
	M(PR) 2	0.3377	0.3873	0.4471	0.5075	0.5561	M(PR) 2
	TURN(PR)	28.861	17.836	13.505	10.943	10.815	TURN(PR)
	UUBAR	0.0664	0.0956	0.0639	0.0513	0.0654	UUBAR
	LOSS PARA	0.0204	0.0279	0.0180	0.0140	0.0175	LOSS PARA
	DFAC	0.4681	0.4592	0.4155	0.3795	0.3717	DFAC
	EFFP	0.9404	0.9253	0.9488	0.9156	0.9238	EFFP
	EFF	0.9392	0.9238	0.9477	0.9138	0.9219	EFF
	INCID	8.352	4.062	3.431	2.569	2.337	INCID
	DEVM	9.291	6.726	4.426	3.026	2.022	DEVM
	P 1	14.619	14.741	14.730	14.728	14.680	P 1
	P 2	16.858	16.934	17.071	17.202	17.405	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.650	541.400	542.250	544.450	546.750	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	40.368	37.609	34.870	32.687	33.072	BETA 2
STATOR-T.E.	BETA 2A	6.300	4.159	3.385	2.977	4.392	BETA 2A
	V 2	455.06	439.10	434.17	435.16	442.81	V 2
	V 2A	390.72	380.57	389.56	414.40	433.11	V 2A
	VZ 2	340.09	345.43	355.68	366.25	370.63	VZ 2
	VZ 2A	385.46	378.51	388.59	413.83	431.67	VZ 2A
	V-THETA 2	289.11	266.11	247.85	235.01	241.35	V-THETA 2
	V-THETA 2A	42.55	27.53	22.99	21.52	33.15	V-THETA 2A
	M 2	0.4054	0.3908	0.3860	0.3861	0.3922	M 2
	M 2A	0.3466	0.3375	0.3453	0.3672	0.3834	M 2A
	TURN(PR)	33.192	33.155	31.427	29.710	28.638	TURN(PR)
	UUBAR	-0.0168	0.0210	0.0273	-0.0271	0.0116	UUBAR
	LOSS PARA	-0.0066	0.0087	0.0123	-0.0128	0.0056	LOSS PARA
	DFAC	0.3484	0.3560	0.3343	0.2787	0.2528	DFAC
	EFFP	1.0598	0.9370	0.8737	1.3638	0.7504	EFFP
	INCID	-1.455	0.103	0.110	-1.313	-2.973	INCID
	DEVM	14.952	11.648	10.883	10.977	13.290	DEVM
	P 2	16.858	16.934	17.071	17.202	17.405	P 2
	P 2A	16.888	16.898	17.025	17.248	17.385	P 2A
	T 2	541.650	541.400	542.250	544.450	546.750	T 2
	T 2A	541.650	541.330	542.230	544.350	546.750	T 2A
	P21	16.968	16.968	18.092	17.292	17.439	P21
	UUBAR	0.0423	0.0410	0.0346	0.0257	0.0311	UUBAR
	LOSS PARA	0.0166	0.0169	0.0155	0.0121	0.0150	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.07 EQUIVALENT ROTOR SPEED = 4239.31 CORRECTED WEIGHT FLOW = 189.69

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.400	0.944	1.284	1.539	1.268	BETA 1
ROTOR -T.E.	BETA 2	38.592	34.505	31.882	30.080	29.943	BETA 2
	BETA(PR) 1	55.922	55.990	58.515	61.247	65.103	BETA(PR) 1
	BETA(PR) 2	29.571	41.076	47.455	52.355	55.881	BETA(PR) 2
	V 1	306.54	356.01	367.84	371.29	351.25	V 1
	V 2	453.02	426.56	422.98	421.24	424.58	V 2
	VZ 1	290.81	349.10	365.87	371.07	350.87	VZ 1
	VZ 2	346.11	348.35	358.37	364.50	367.52	VZ 2
	V-THETA 1	2.03	5.75	8.20	9.97	7.76	V-THETA 1
	V-THETA 2	276.22	239.46	222.90	211.12	211.70	V-THETA 2
	V(PR) 1	528.0	628.0	701.5	771.4	833.6	V(PR) 1
	V(PR) 2	409.3	465.6	530.8	596.8	655.5	V(PR) 2
	VTHETA PR1	-429.9	-517.4	-597.4	-676.3	-756.0	VTHETA PR1
	VTHETA PR2	-196.4	-303.6	-390.5	-472.5	-542.4	VTHETA PR2
	U 1	431.92	523.11	605.61	686.26	763.76	U 1
	U 2	472.61	543.09	613.38	683.67	754.14	U 2
	M 1	0.2767	0.3222	0.3331	0.3363	0.3178	M 1
	M 2	0.4039	0.3798	0.3763	0.3742	0.3764	M 2
	M(PR) 1	0.4765	0.5683	0.6353	0.6988	0.7542	M(PR) 1
	M(PR) 2	0.3649	0.4146	0.4722	0.5302	0.5811	M(PR) 2
	TURN(PR)	25.833	14.770	11.019	8.888	9.241	TURN(PR)
	UUBAR	0.0469	0.0435	0.0248	0.0189	0.0351	UUBAR
	LOSS PARA	0.0143	0.0124	0.0069	0.0051	0.0092	LOSS PARA
	DFAC	0.4160	0.4024	0.3698	0.3405	0.3268	DFAC
	EFFP	0.9387	0.9297	0.9524	0.9464	0.9214	EFFP
	EFF	0.9375	0.9284	0.9514	0.9453	0.9196	EFF
	INCID	5.909	2.470	1.785	1.241	1.685	INCID
	DEVM	9.876	8.200	5.266	3.754	2.944	DEVM
	P 1	14.640	14.742	14.735	14.721	14.663	P 1
	P 2	16.774	16.811	16.933	17.035	17.163	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	540.630	540.070	540.800	542.065	544.660	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	36.812	33.442	31.111	29.359	29.414	BETA 2
STATOR-T.E.	BETA 2A	5.804	3.840	3.115	2.650	4.189	BETA 2A
	V 2	462.74	434.78	430.94	430.14	433.42	V 2
	V 2A	435.45	414.33	372.27	430.05	447.73	V 2A
	VZ 2	362.68	360.00	368.35	374.90	377.06	VZ 2
	VZ 2A	429.97	412.25	371.44	429.58	446.35	VZ 2A
	V-THETA 2	271.44	237.76	222.30	210.89	212.59	V-THETA 2
	V-THETA 2A	43.70	27.67	20.21	19.88	32.69	V-THETA 2A
	M 2	0.4129	0.3874	0.3836	0.3824	0.3844	M 2
	M 2A	0.3878	0.3686	0.3301	0.3823	0.3976	M 2A
	TURN(PR)	30.156	29.321	27.942	26.710	25.186	TURN(PR)
	UUBAR	-0.0202	0.0184	0.0372	0.0205	0.0238	UUBAR
	LOSS PARA	-0.0079	0.0076	0.0168	0.0096	0.0116	LOSS PARA
	DFAC	0.2468	0.2450	0.3458	0.2093	0.1709	DFAC
	EFFP	1.1529	0.8120	0.8639	4.2893	1.1688	EFFP
	INCID	-4.984	-4.050	-3.645	-4.641	-6.627	INCID
	DEVM	14.460	11.329	10.613	10.650	13.087	DEVM
	P 2	16.774	16.811	16.933	17.035	17.163	P 2
	P 2A	16.811	16.781	16.872	17.001	17.124	P 2A
	T 2	540.630	540.070	540.800	542.065	544.660	T 2
	T 2A	540.650	540.070	540.790	541.990	544.510	T 2A
	P21	16.905	16.879	16.935	17.103	17.199	P21
	UUBAR	0.0435	0.0532	0.0342	0.0556	0.0401	UUBAR
	LOSS PARA	-0.0170	0.0219	0.0154	0.0260	0.0195	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 69.15 CALCULATIONS USING TRANSLATED VALUES
EQUIVALENT ROTOR SPEED = 4183.52 CORRECTED WEIGHT FLOW = 204.03

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.350	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.459	1.003	1.230	1.634	1.576	BETA 1
ROTOR -T.E.	BETA 2	33.914	29.710	27.348	25.478	25.719	BETA 2
	BETA(PR) 1	53.654	53.642	56.394	59.148	63.264	BETA(PR) 1
	BETA(PR) 2	29.587	40.116	46.745	51.893	55.682	BETA(PR) 2
	V 1	328.64	382.62	393.67	398.02	374.95	V 1
	V 2	464.94	441.06	432.36	426.70	424.83	V 2
	VZ 1	311.79	375.18	391.57	397.76	374.48	VZ 1
	VZ 2	376.09	379.25	383.10	385.18	382.31	VZ 2
	V-THETA 1	2.50	6.57	8.41	11.35	10.31	V-THETA 1
	V-THETA 2	252.86	216.41	198.14	183.54	184.15	V-THETA 2
	V(PR) 1	536.2	637.3	708.6	775.7	832.5	V(PR) 1
	V(PR) 2	444.8	499.8	559.9	624.2	678.4	V(PR) 2
	VTHETA PR1	-423.7	-509.7	-589.2	-665.9	-743.4	VTHETA PR1
	VTHETA PR2	-213.5	-319.5	-407.2	-491.1	-560.1	VTHETA PR2
	U 1	426.23	516.22	597.64	677.22	753.71	U 1
	U 2	466.39	535.94	605.30	674.67	744.22	U 2
	M 1	0.2970	0.3468	0.3571	0.3611	0.3397	M 1
	M 2	0.4160	0.3942	0.3862	0.3809	0.3784	M 2
	M(PR) 1	0.4846	0.5777	0.6428	0.7038	0.7543	M(PR) 1
	M(PR) 2	0.3979	0.4467	0.5002	0.5571	0.6043	M(PR) 2
	TURN(PR)	23.513	13.366	9.603	7.250	7.599	TURN(PR)
	UUBAR	-0.0164	-0.0097	-0.0184	-0.0123	0.0045	UUBAR
	LOSS PARA	-0.0050	-0.0028	-0.0052	-0.0033	0.0012	LOSS PARA
	DFAC	0.3424	0.3430	0.3204	0.2925	0.2817	DFAC
	EFFP	1.0283	1.0277	1.0752	1.0549	1.0210	EFFP
	EFF	1.0288	1.0282	1.0767	1.0559	1.0214	EFF
	INCID	3.604	0.107	-0.341	-0.858	-0.156	INCID
	DEVM	9.891	7.241	4.556	3.292	2.745	DEVM
	P 1	14.645	14.745	14.731	14.730	14.663	P 1
	P 2	16.699	16.728	16.794	16.799	16.878	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	537.965	537.215	537.085	537.500	539.530	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	32.382	28.811	26.700	24.881	25.276	BETA 2
STATOR-T.E.	BETA 2A	5.137	3.803	3.235	2.395	4.212	BETA 2A
	V 2	475.04	449.58	440.57	435.77	433.69	V 2
	V 2A	483.73	461.99	453.74	460.40	465.50	V 2A
	VZ 2	391.82	390.67	392.89	395.32	391.62	VZ 2
	VZ 2A	478.18	459.69	452.67	459.99	464.05	VZ 2A
	V-THETA 2	248.48	214.87	197.60	183.35	184.92	V-THETA 2
	V-THETA 2A	42.94	30.56	25.59	19.24	34.17	V-THETA 2A
	M 2	0.4253	0.4021	0.3938	0.3892	0.3866	M 2
	M 2A	0.4334	0.4135	0.4059	0.4120	0.4159	M 2A
	TURN(PR)	26.446	24.751	23.415	22.486	21.029	TURN(PR)
	UUBAR	0.0198	0.0538	0.0928	0.0593	0.1012	UUBAR
	LOSS PARA	0.0078	0.0223	0.0417	0.0280	0.0494	LOSS PARA
	DFAC	0.1467	0.1404	0.1445	0.1208	0.0974	DFAC
	EFFP	1.5285	1.9095	2.4217	1.4509	1.4951	EFFP
	INCID	-9.361	-8.657	-8.052	-9.119	-10.761	INCID
	DEVM	13.793	11.292	10.733	10.395	13.110	DEVM
	P 2	16.699	16.728	16.794	16.799	16.878	P 2
	P 2A	16.661	16.633	16.636	16.700	16.711	P 2A
	T 2	537.965	537.215	537.085	537.500	539.530	T 2
	T 2A	537.980	537.218	537.090	537.465	539.320	T 2A
	P21	16.752	16.712	16.720	16.814	16.776	P21
	UUBAR	0.0486	0.0482	0.0545	0.0707	0.0455	UUBAR
	LOSS PARA	0.0191	0.0199	0.0244	0.0333	0.0222	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.03 EQUIVALENT ROTOR SPEED = 5446.59 CORRECTED WEIGHT FLOW = 190.60

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.395	1.483	1.808	1.807	2.538	BETA 1
ROTOR -T.E.	BETA 2	51.523	53.380	52.387	42.102	46.120	BETA 2
	BETA(PR) 1	61.672	62.500	64.599	66.019	68.573	BETA(PR) 1
	BETA(PR) 2	26.981	39.857	45.982	49.627	53.482	BETA(PR) 2
	V 1	311.30	352.12	366.07	387.06	379.20	V 1
	V 2	560.28	539.04	554.15	569.24	585.16	V 2
	VZ 1	295.26	345.21	364.02	386.77	378.50	VZ 1
	VZ 2	343.57	320.01	337.82	422.34	405.33	VZ 2
	V-THETA 1	7.19	8.94	11.49	12.20	16.78	V-THETA 1
	V-THETA 2	432.29	430.58	438.45	381.64	421.50	V-THETA 2
	V(PR) 1	630.0	750.8	849.4	951.7	1036.2	V(PR) 1
	V(PR) 2	397.0	420.2	486.9	652.0	681.5	V(PR) 2
	VTHETA PR1	-547.7	-663.1	-766.6	-869.5	-964.5	VTHETA PR1
	VTHETA PR2	-174.9	-267.2	-349.6	-496.7	-547.4	VTHETA PR2
	U 1	554.92	672.08	778.07	881.69	981.27	U 1
	U 2	607.20	697.75	788.05	878.36	968.91	U 2
	M 1	0.2810	0.3186	0.3315	0.3510	0.3437	M 1
	M 2	0.4947	0.4746	0.4867	0.4978	0.5095	M 2
	M(PR) 1	0.5687	0.6793	0.7692	0.8629	0.9391	M(PR) 1
	M(PR) 2	0.3506	0.3699	0.4276	0.5702	0.5934	M(PR) 2
	TURN(PR)	34.256	22.557	18.592	16.388	15.112	TURN(PR)
	UUBAR	0.1085	0.2378	0.2734	0.1370	0.1932	UUBAR
	LOSS PARA	0.0340	0.0692	0.0779	0.0389	0.0536	LOSS PARA
	DFAC	0.6183	0.6574	0.6343	0.4848	0.5231	DFAC
	EFFP	0.9655	0.9190	0.8938	0.8661	0.8673	EFFP
	EFF	0.9642	0.9160	0.8897	0.8605	0.8611	EFF
	INCID	11.795	9.040	7.885	6.014	5.157	INCID
	DEVM	7.339	6.983	3.792	1.026	0.544	DEVM
	P 1	14.630	14.727	14.725	14.711	14.711	P 1
	P 2	18.941	18.960	19.245	19.705	20.369	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.900	561.090	565.040	571.200	577.400	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	48.707	51.250	50.648	40.833	44.972	BETA 2
STATOR-T.E.	BETA 2A	5.055	5.476	2.867	4.808	6.121	BETA 2A
	V 2	573.67	550.60	565.99	583.04	599.39	V 2
	V 2A	391.82	347.11	387.90	448.16	522.61	V 2A
	VZ 2	373.11	343.13	358.56	441.13	423.68	VZ 2
	VZ 2A	387.37	344.56	387.13	446.58	519.42	VZ 2A
	V-THETA 2	424.80	427.53	437.27	381.23	423.26	V-THETA 2
	V-THETA 2A	34.27	33.03	19.39	37.56	55.70	V-THETA 2A
	M 2	0.5072	0.4852	0.4976	0.5105	0.5226	M 2
	M 2A	0.3417	0.3017	0.3367	0.3883	0.4528	M 2A
	TURN(PR)	42.757	45.478	47.721	36.026	38.804	TURN(PR)
	UUBAR	0.0553	0.1518	0.1059	0.0798	0.0341	UUBAR
	LOSS PARA	0.0217	0.0629	0.0476	0.0375	0.0166	LOSS PARA
	DFAC	0.5780	0.6634	0.6449	0.5088	0.4293	DFAC
	EFFP	0.9056	0.7669	0.8180	0.8366	0.9150	EFFP
	INCID	6.874	13.739	15.885	6.833	8.923	INCID
	DEVM	13.717	12.961	10.365	12.807	15.019	DEVM
	P 2	18.941	18.960	19.245	19.705	20.369	P 2
	P 2A	18.772	18.532	18.928	19.448	20.252	P 2A
	T 2	559.900	561.090	565.040	571.200	577.400	T 2
	T 2A	559.900	561.090	565.020	571.000	577.050	T 2A
	P21	18.925	18.865	19.082	19.730	20.447	P21
	UUBAR	0.0494	0.1200	0.0520	0.0850	0.0532	UURAR
	LOSS PARA	0.0193	0.0497	0.0233	0.0399	0.0258	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.61 EQUIVALENT ROTOR SPEED = 5481.78 CORRECTED WEIGHT FLOW = 207.20

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.405	1.723	1.528	1.008	2.483	BETA 1
ROTOR -T.E.	BETA 2	50.076	50.842	48.365	40.858	39.847	BETA 2
	BETA(PR) 1	60.331	60.749	62.684	64.208	67.198	BETA(PR) 1
	BETA(PR) 2	28.600	39.550	47.639	50.258	53.150	BETA(PR) 2
	V 1	330.82	380.05	401.16	425.39	408.49	V 1
	V 2	555.74	544.40	538.12	565.32	586.11	V 2
	VZ 1	313.78	372.56	398.98	425.22	407.76	VZ 1
	VZ 2	351.18	341.93	357.02	427.56	449.62	VZ 2
	V-THETA 1	7.70	11.21	10.64	7.48	17.68	V-THETA 1
	V-THETA 2	419.65	419.88	401.63	369.81	375.24	V-THETA 2
	V(PR) 1	642.5	766.0	870.4	977.3	1052.3	V(PR) 1
	V(PR) 2	411.6	447.0	530.6	668.8	750.1	V(PR) 2
	VTHETA PR1	-550.8	-665.2	-772.5	-879.9	-969.9	VTHETA PR1
	VTHETA PR2	-191.5	-282.4	-391.5	-514.2	-599.9	VTHETA PR2
	U 1	558.50	676.42	783.10	887.39	987.61	U 1
	U 2	611.12	702.25	793.15	884.04	975.17	U 2
	M 1	0.2990	0.3444	0.3641	0.3867	0.3709	M 1
	M 2	0.4907	0.4801	0.4728	0.4951	0.5114	M 2
	M(PR) 1	0.5806	0.6943	0.7899	0.8884	0.9555	M(PR) 1
	M(PR) 2	0.3634	0.3942	0.4662	0.5858	0.6544	M(PR) 2
	TURN(PR)	31.293	21.093	15.014	13.945	14.068	TURN(PR)
	UUBAR	0.1030	0.2048	0.2080	0.1212	0.0886	UUBAR
	LOSS PARA	0.0318	0.0598	0.0575	0.0340	0.0248	LOSS PARA
	DFAC	0.5956	0.6227	0.5758	0.4780	0.4444	DFAC
	EFFP	0.9503	0.9437	0.9005	0.8999	0.9104	EFFP
	EFF	0.9485	0.9416	0.8968	0.8957	0.9061	EFF
	INCID	10.417	7.270	5.964	4.202	3.781	INCID
	DEVM	8.924	6.677	5.449	1.657	0.212	DEVM
	P 1	14.620	14.748	14.730	14.716	14.705	P 1
	P 2	18.809	18.981	19.106	19.709	20.457	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.520	559.880	563.320	569.110	575.330	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	47.391	48.874	46.868	39.642	38.920	BETA 2
STATOR-T.E.	BETA 2A	5.339	4.647	3.448	5.119	5.152	BETA 2A
	V 2	568.94	556.14	549.43	579.03	600.40	V 2
	V 2A	406.88	371.28	406.94	473.70	541.10	V 2A
	VZ 2	379.32	364.02	375.24	445.88	466.65	VZ 2
	VZ 2A	402.08	369.02	405.90	471.80	538.69	VZ 2A
	V-THETA 2	412.39	416.90	400.54	369.41	376.81	V-THETA 2
	V-THETA 2A	37.58	29.99	24.46	42.27	48.57	V-THETA 2A
	M 2	0.5029	0.4909	0.4832	0.5078	0.5245	M 2
	M 2A	0.3553	0.3234	0.3542	0.4120	0.4704	M 2A
	TURN(PR)	41.156	43.925	43.358	34.523	33.723	TURN(PR)
	UUBAR	0.0041	0.1293	0.0517	0.0240	0.0146	UUBAR
	LOSS PARA	0.0016	0.0537	0.0232	0.0113	0.0071	LOSS PARA
	DFAC	0.5373	0.6178	0.5655	0.4479	0.3673	DFAC
	EFFP	0.9924	0.7867	0.9036	0.9573	0.9735	EFFP
	INCID	5.555	11.359	12.104	5.642	2.873	INCID
	DEVM	13.999	12.134	10.946	13.119	14.050	DEVM
	P 2	18.809	18.981	19.106	19.709	20.457	P 2
	P 2A	18.797	18.609	18.960	19.632	20.406	P 2A
	T 2	559.520	559.880	563.320	569.110	575.330	T 2
	T 2A	559.520	559.850	563.210	568.880	575.070	T 2A
	P21	18.702	18.775	19.094	19.820	20.482	P21
	UUBAR	0.0315	0.0591	0.0445	0.0543	0.0188	UUBAR
	LOSS PARA	0.0122	0.0245	0.0199	0.0255	0.0091	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.58 EQUIVALENT ROTOR SPEED = 5479.87 CORRECTED WEIGHT FLOW = 223.95

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.712	1.347	1.392	0.259	1.902	BETA 1
ROTOR -T.E.	BETA 2	47.809	45.599	41.438	38.190	38.011	BETA 2
	BETA(PR) 1	58.919	58.336	60.301	62.596	65.592	BETA(PR) 1
	BETA(PR) 2	28.881	40.150	47.167	50.933	53.565	BETA(PR) 2
	V 1	352.12	419.28	442.78	458.94	441.98	V 1
	V 2	559.07	541.60	540.16	557.03	579.68	V 2
	VZ 1	334.04	411.08	440.39	458.82	441.36	VZ 1
	VZ 2	369.17	376.47	404.23	437.79	456.33	VZ 2
	V-THETA 1	4.15	9.66	10.30	2.07	14.65	V-THETA 1
	V-THETA 2	407.28	384.43	356.85	344.39	356.67	V-THETA 2
	V(PR) 1	656.5	787.4	890.0	996.9	1068.2	V(PR) 1
	V(PR) 2	433.8	496.4	595.4	694.7	768.7	V(PR) 2
	VTHETA PR1	-554.2	-666.5	-772.1	-885.0	-972.6	VTHETA PR1
	VTHETA PR2	-203.6	-317.6	-436.0	-539.3	-618.2	VTHETA PR2
	U 1	558.31	676.19	782.83	887.08	987.26	U 1
	U 2	610.91	702.01	792.87	883.73	974.83	U 2
	M 1	0.3186	0.3810	0.4030	0.4182	0.4023	M 1
	M 2	0.4955	0.4798	0.4769	0.4909	0.5083	M 2
	M(PR) 1	0.5940	0.7155	0.8101	0.9085	0.9722	M(PR) 1
	M(PR) 2	0.3844	0.4398	0.5258	0.6122	0.6741	M(PR) 2
	TURN(PR)	29.570	18.059	13.098	11.658	12.047	TURN(PR)
	UUBAR	0.1091	0.1453	0.1082	0.0911	0.0742	UUBAR
	LOSS PARA	0.0336	0.0421	0.0302	0.0252	0.0205	LOSS PARA
	DFAC	0.5654	0.5535	0.4915	0.4535	0.4285	DFAC
	EFFP	1.0075	1.0308	1.0027	1.0198	0.9836	EFFP
	EFF	1.0078	1.0318	1.0028	1.0206	0.9828	EFF
	INCID	8.970	4.835	3.575	2.590	2.174	INCID
	DEVM	9.200	7.275	4.977	2.332	0.627	DEVM
	P 1	14.590	14.754	14.739	14.722	14.698	P 1
	P 2	18.627	18.798	19.055	19.570	20.237	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	555.900	554.720	558.090	561.760	569.200	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	45.298	43.938	40.256	37.089	37.148	BETA 2
STATOR-T.E.	BETA 2A	7.622	3.964	3.130	2.716	4.845	BETA 2A
	V 2	572.44	553.28	551.45	570.46	593.76	V 2
	V 2A	431.58	415.44	440.17	490.60	543.32	V 2A
	VZ 2	396.09	396.11	420.30	455.05	472.76	VZ 2
	VZ 2A	424.59	413.28	439.18	490.04	541.16	VZ 2A
	V-THETA 2	400.23	381.70	355.89	344.02	358.16	V-THETA 2
	V-THETA 2A	56.82	28.64	24.01	23.24	45.87	V-THETA 2A
	M 2	0.5079	0.4906	0.4874	0.5033	0.5213	M 2
	M 2A	0.3788	0.3646	0.3857	0.4301	0.4752	M 2A
	TURN(PR)	36.794	39.668	37.066	34.374	32.257	TURN(PR)
	UUBAR	-0.0034	0.0653	0.0444	0.0254	0.0430	UUBAR
	LOSS PARA	-0.0013	0.0271	0.0200	0.0119	0.0210	LOSS PARA
	DFAC	0.4753	0.5109	0.4709	0.4047	0.3433	DFAC
	EFFP	1.0096	0.8661	0.8930	0.9361	0.8393	EFFP
	INCID	3.459	6.421	5.493	3.089	1.101	INCID
	DEVM	16.265	11.453	10.627	10.715	13.743	DEVM
	P 2	18.627	18.798	19.055	19.570	20.237	P 2
	P 2A	18.637	18.611	18.928	19.491	20.090	P 2A
	T 2	555.900	554.720	558.090	561.760	569.200	T 2
	T 2A	555.870	554.480	558.040	561.570	568.740	T 2A
	P21	18.721	18.740	19.002	19.565	20.208	P21
	UUBAR	0.0280	0.0492	0.0274	0.0247	0.0346	UUBAR
	LOSS PARA	0.0107	0.0204	0.0123	0.0115	0.0168	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 91.08 EQUIVALENT ROTOR SPEED = 5510.61 CORRECTED WEIGHT FLOW = 243.18

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.780	0.567	1.485	0.402	0.675	BETA 1
ROTOR -T.E.	BETA 2	41.713	37.687	34.811	33.686	34.348	BETA 2
	BETA(PR) 1	55.934	55.857	57.894	60.712	64.689	BETA(PR) 1
	BETA(PR) 2	28.978	40.125	46.067	51.474	54.279	BETA(PR) 2
	V 1	396.53	467.09	488.69	498.53	467.35	V 1
	V 2	581.44	556.88	561.46	555.53	573.04	V 2
	VZ 1	376.17	458.05	486.04	498.39	466.92	VZ 1
	VZ 2	425.10	437.03	460.01	462.23	472.67	VZ 2
	V-THETA 1	5.12	4.53	12.60	3.50	5.50	V-THETA 1
	V-THETA 2	378.92	337.62	319.85	308.11	323.01	V-THETA 2
	V(PR) 1	683.2	821.2	915.8	1018.8	1092.3	V(PR) 1
	V(PR) 2	499.9	576.0	664.0	742.1	810.0	V(PR) 2
	VTHETA PR1	-556.3	-675.4	-774.6	-888.6	-987.3	VTHETA PR1
	VTHETA PR2	-235.4	-368.3	-477.5	-580.6	-657.3	VTHETA PR2
	U 1	561.44	679.98	787.22	892.05	992.80	U 1
	U 2	614.34	705.95	797.32	888.69	980.30	U 2
	M 1	0.3598	0.4259	0.4464	0.4557	0.4262	M 1
	M 2	0.5166	0.4940	0.4969	0.4898	0.5029	M 2
	M(PR) 1	0.6198	0.7488	0.8365	0.9314	0.9960	M(PR) 1
	M(PR) 2	0.4441	0.5110	0.5877	0.6543	0.7108	M(PR) 2
	TURN(PR)	26.428	15.586	11.784	9.233	10.429	TURN(PR)
	UUBAR	0.0618	0.0775	0.0421	0.0703	0.0819	UUBAR
	LOSS PARA	0.0190	0.0225	0.0120	0.0192	0.0223	LOSS PARA
	DFAC	0.4697	0.4552	0.4134	0.4025	0.3930	DFAC
	EFFP	0.9847	0.9852	0.9851	0.9466	0.9266	EFFP
	EFF	0.9842	0.9848	0.9846	0.9446	0.9235	EFF
	INCID	5.922	2.336	1.162	0.706	1.270	INCID
	DEVM	9.294	7.250	3.878	2.873	1.342	DEVM
	P 1	14.580	14.781	14.766	14.743	14.641	P 1
	P 2	18.453	18.618	18.947	19.127	19.621	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	555.390	554.600	557.600	561.100	567.700	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	39.602	36.390	33.848	32.757	33.599	BETA 2
STATOR-T.E.	BETA 2A	6.728	3.514	3.126	2.369	4.460	BETA 2A
	V 2	595.77	569.12	573.56	568.84	586.85	V 2
	V 2A	509.32	489.97	501.66	526.26	568.21	V 2A
	VZ 2	450.08	454.84	475.62	478.38	488.23	VZ 2
	VZ 2A	502.04	487.68	500.54	525.80	566.26	VZ 2A
	V-THETA 2	372.36	335.22	318.98	307.78	324.36	V-THETA 2
	V-THETA 2A	59.23	29.94	27.33	21.75	44.17	V-THETA 2A
	M 2	0.5300	0.5054	0.5082	0.5021	0.5157	M 2
	M 2A	0.4495	0.4323	0.4419	0.4629	0.4986	M 2A
	TURN(PR)	32.005	32.584	30.666	30.388	29.096	TURN(PR)
	UUBAR	-0.0064	0.0345	0.0638	0.0187	0.0300	UUBAR
	LOSS PARA	-0.0025	0.0143	0.0287	0.0088	0.0147	LOSS PARA
	DFAC	0.3457	0.3590	0.3527	0.3116	0.2663	DFAC
	EFFP	0.9624	0.8796	0.7774	0.9409	0.6969	EFFP
	INCID	-2.217	-1.113	-0.911	-1.244	-2.446	INCID
	DEVM	15.378	11.004	10.623	10.369	13.358	DEVM
	P 2	18.453	18.618	18.947	19.127	19.621	P 2
	P 2A	18.474	18.515	18.751	19.070	19.523	P 2A
	T 2	555.390	554.600	557.600	561.100	567.700	T 2
	T 2A	555.900	554.600	557.400	560.850	567.350	T 2A
	P21	18.625	18.676	18.867	19.177	19.654	P21
	UUBAR	0.0426	0.0509	0.0363	0.0325	0.0376	UUBAR
	LOSS PARA	0.0166	0.0210	0.0163	0.0152	0.0184	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.57 EQUIVALENT ROTOR SPEED = 5418.79 CORRECTED WEIGHT FLOW = 259.54

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.916	1.151	0.974	1.316	1.249	BETA 1
ROTOR -T.E.	BETA 2	33.556	29.979	28.054	26.549	26.135	BETA 2
	BETA(PR) 1	52.101	52.291	55.430	58.420	62.658	BETA(PR) 1
	BETA(PR) 2	28.176	38.756	45.729	52.089	55.208	BETA(PR) 2
	V 1	447.48	519.17	530.02	531.98	499.70	V 1
	V 2	620.43	586.73	571.36	547.70	556.99	V 2
	VZ 1	424.49	509.05	527.25	531.71	499.16	VZ 1
	VZ 2	503.86	503.17	503.01	489.93	499.48	VZ 2
	V-THETA 1	6.79	10.23	8.96	12.22	10.88	V-THETA 1
	V-THETA 2	334.21	290.26	268.06	244.79	245.07	V-THETA 2
	V(PR) 1	705.4	838.4	930.7	1015.4	1087.0	V(PR) 1
	V(PR) 2	588.3	650.5	721.7	797.4	875.8	V(PR) 2
	VTHETA PR1	-545.3	-658.4	-765.1	-865.0	-965.4	VTHETA PR1
	VTHETA PR2	-269.9	-403.9	-516.0	-629.1	-718.9	VTHETA PR2
	U 1	552.09	668.65	774.10	877.19	976.26	U 1
	U 2	604.10	694.19	784.03	873.88	963.96	U 2
	M 1	0.4074	0.4754	0.4858	0.4877	0.4569	M 1
	M 2	0.5555	0.5247	0.5100	0.4872	0.4940	M 2
	M(PR) 1	0.6422	0.7678	0.8532	0.9309	0.9938	M(PR) 1
	M(PR) 2	0.5267	0.5817	0.6442	0.7092	0.7767	M(PR) 2
	TURN(PR)	23.322	13.364	9.653	6.327	7.467	TURN(PR)
	UUBAR	0.0118	0.0333	0.0324	0.0441	0.0459	UUBAR
	LOSS PARA	0.0036	0.0098	0.0093	0.0119	0.0122	LOSS PARA
	DFAC	0.3370	0.3533	0.3395	0.3150	0.2940	DFAC
	EFFP	1.0000	1.0082	1.0336	0.9531	0.9411	EFFP
	EFF	1.0000	1.0085	1.0346	0.9518	0.9392	EFF
	INCID	2.030	-1.251	-1.307	-1.586	-0.762	INCID
	DEVM	8.508	5.885	3.539	3.488	2.271	DEVM
	P 1	14.585	14.807	14.771	14.750	14.652	P 1
	P 2	18.047	18.109	18.192	18.043	18.297	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	551.250	549.155	549.450	551.000	554.900	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	31.890	28.965	27.300	25.849	25.605	BETA 2
STATOR-T.E.	BETA 2A	4.557	3.448	3.063	2.220	4.058	BETA 2A
	V 2	636.68	600.20	583.92	560.85	570.25	V 2
	V 2A	639.09	609.40	579.84	584.01	601.20	V 2A
	VZ 2	527.85	520.67	517.96	504.74	513.53	VZ 2
	VZ 2A	632.29	606.60	578.58	583.56	599.45	VZ 2A
	V-THETA 2	328.43	288.19	267.34	244.53	246.10	V-THETA 2
	V-THETA 2A	50.39	36.55	30.96	22.62	42.52	V-THETA 2A
	M 2	0.5710	0.5374	0.5219	0.4994	0.5064	M 2
	M 2A	0.5733	0.5461	0.5180	0.5216	0.5355	M 2A
	TURN(PR)	26.532	25.258	24.187	23.629	21.511	TURN(PR)
	UUBAR	-0.0520	-0.0384	0.0637	-0.0015	0.0359	UUBAR
	LOSS PARA	-0.0204	-0.0160	0.0287	-0.0007	0.0175	LOSS PARA
	DFAC	0.1630	0.1563	0.1879	0.1450	0.1211	DFAC
	EFFP	-4.8976	-0.0920	-3.0965	0.7011	1.2147	EFFP
	INCID	-9.846	-8.504	-7.452	-8.151	-10.433	INCID
	DEVM	13.223	10.938	10.561	10.220	12.956	DEVM
	P 2	18.047	18.109	18.192	18.043	18.297	P 2
	P 2A	18.233	18.233	17.996	18.047	18.192	P 2A
	T 2	551.250	549.155	549.450	551.000	554.900	T 2
	T 2A	551.250	549.155	549.450	550.040	554.710	T 2A
	P21	18.231	18.147	18.119	18.121	18.315	P21
	UUBAR	0.0518	0.0491	0.0395	0.0231	0.0394	UUBAR
	LOSS PARA	0.0203	0.0204	0.0177	0.0107	0.0192	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.92 EQUIVALENT ROTOR SPEED = 6105.84 CORRECTED WEIGHT FLOW = 208.52

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.493	1.723	1.758	1.594	4.570	BETA 1
ROTOR -T.E.	BETA 2	51.554	55.037	55.644	45.680	46.023	BETA 2
	BETA(PR) 1	52.806	62.314	64.627	66.078	69.244	BETA(PR) 1
	BETA(PR) 2	28.150	41.042	47.199	49.800	53.474	BETA(PR) 2
	V 1	332.55	397.02	410.02	433.39	406.27	V 1
	V 2	618.93	595.91	616.27	638.50	655.91	V 2
	VZ 1	315.41	389.19	407.74	433.12	404.64	VZ 1
	VZ 2	379.29	339.99	347.44	446.09	455.13	VZ 2
	V-THETA 1	8.22	11.70	12.51	12.05	32.34	V-THETA 1
	V-THETA 2	477.75	486.22	508.25	456.81	471.69	V-THETA 2
	V(PR) 1	698.1	841.2	952.4	1068.2	1141.9	V(PR) 1
	V(PR) 2	442.7	454.2	512.1	691.1	765.1	V(PR) 2
	VTHETA PR1	-613.9	-741.7	-859.7	-976.4	-1067.7	VTHETA PR1
	VTHETA PR2	-202.9	-296.0	-375.2	-527.9	-614.5	VTHETA PR2
	U 1	622.08	753.43	872.25	988.41	1100.04	U 1
	U 2	680.70	782.20	883.44	984.68	1086.18	U 2
	M 1	0.3006	0.3602	0.3723	0.3942	0.3688	M 1
	M 2	0.5438	0.5216	0.5372	0.5543	0.5645	M 2
	M(PR) 1	0.6310	0.7632	0.8649	0.9716	1.0367	M(PR) 1
	M(PR) 2	0.3890	0.3976	0.4464	0.6000	0.6585	M(PR) 2
	TURN(PR)	34.279	21.186	17.403	16.274	15.792	TURN(PR)
	UUBAR	0.0911	0.2554	0.3186	0.1995	0.1577	UUBAR
	LOSS PARA	0.0283	0.0730	0.0888	0.0565	0.0437	LOSS PARA
	DFAC	0.6136	0.6780	0.6772	0.5352	0.5080	DFAC
	EFFP	0.9575	0.8985	0.8566	0.8528	0.8393	EFFP
	EFF	0.9555	0.8939	0.8497	0.8450	0.8296	EFF
	INCID	12.961	8.852	7.913	6.073	5.828	INCID
	DEVM	8.483	8.165	5.010	1.199	0.536	DEVM
	P 1	14.610	14.774	14.764	14.764	14.580	P 1
	P 2	20.153	20.184	20.573	21.260	22.100	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	570.950	572.800	579.400	586.100	597.600	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	48.624	52.682	53.584	44.124	44.749	BETA 2
STATOR-T.E.	BETA 2A	4.704	3.795	-0.363	3.702	7.745	BETA 2A
	V 2	634.84	609.53	630.37	655.43	673.40	V 2
	V 2A	434.70	381.96	425.77	493.35	591.09	V 2A
	VZ 2	413.56	368.00	373.92	470.49	477.84	VZ 2
	VZ 2A	429.99	380.06	425.44	492.31	585.46	VZ 2A
	V-THETA 2	469.48	482.76	506.88	456.32	473.66	V-THETA 2
	V-THETA 2A	35.38	25.21	-2.69	31.85	79.62	V-THETA 2A
	M 2	0.5587	0.5342	0.5502	0.5700	0.5806	M 2
	M 2A	0.3764	0.3291	0.3657	0.4233	0.5060	M 2A
	TURN(PR)	43.023	48.591	53.885	40.422	36.958	TURN(PR)
	UUBAR	0.0506	0.1610	0.1393	0.1365	0.0431	UUBAR
	LOSS PARA	0.0198	0.0669	0.0627	0.0642	0.0209	LOSS PARA
	DFAC	0.5775	0.6815	0.6864	0.5522	0.4097	DFAC
	EFFP	0.9150	0.7601	0.7706	0.7364	0.9040	EFFP
	INCID	6.791	15.176	18.823	10.124	8.700	INCID
	DEVM	13.369	11.284	7.138	11.702	16.642	DEVM
	P 2	20.153	20.184	20.573	21.260	22.100	P 2
	P 2A	19.959	19.610	20.041	20.686	21.905	P 2A
	T 2	570.950	572.800	579.400	586.100	597.600	T 2
	T 2A	570.950	572.750	579.350	585.700	596.900	T 2A
	r21	20.180	19.885	20.423	21.218	22.181	r21
	UUBAR	0.0549	0.0818	0.1019	0.1258	0.0581	UUBAR
	LOSS PARA	0.0214	0.0339	0.0458	0.0591	0.0281	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.70 EQUIVALENT ROTOR SPEED = 6092.24 CORRECTED WEIGHT FLOW = 225.32

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.141	1.366	1.651	2.033	3.862	BETA 1
ROTOR -T.E.	BETA 2	51.759	53.785	52.027	41.573	45.216	BETA 2
	BETA(PR) 1	61.057	51.309	63.134	64.434	68.160	BETA(PR) 1
	BETA(PR) 2	28.427	40.843	48.258	49.954	52.384	BETA(PR) 2
	V 1	357.92	414.23	436.95	464.33	429.65	V 1
	V 2	614.95	595.13	597.16	632.38	667.81	V 2
	VZ 1	339.50	406.12	434.55	463.92	428.30	VZ 1
	VZ 2	375.19	349.97	366.99	473.08	470.11	VZ 2
	V-THETA 1	6.76	9.68	12.52	16.47	28.92	V-THETA 1
	V-THETA 2	476.08	477.91	470.18	419.62	473.66	V-THETA 2
	V(PR) 1	710.6	849.8	962.6	1075.0	1151.4	V(PR) 1
	V(PR) 2	439.0	466.2	552.0	735.3	770.6	V(PR) 2
	VTHETA PR1	-613.9	-742.1	-857.8	-969.7	-1068.7	VTHETA PR1
	VTHETA PR2	-203.1	-302.5	-411.3	-562.9	-610.1	VTHETA PR2
	U 1	620.70	751.75	870.31	986.21	1097.59	U 1
	U 2	679.18	780.46	881.47	982.49	1083.76	U 2
	M 1	0.3239	0.3763	0.3975	0.4233	0.3907	M 1
	M 2	0.5409	0.5214	0.5213	0.5502	0.5778	M 2
	M(PR) 1	0.6432	0.7719	0.8757	0.9801	1.0470	M(PR) 1
	M(PR) 2	0.3862	0.4084	0.4819	0.6397	0.6668	M(PR) 2
	TURN(PR)	32.208	20.369	14.846	14.476	15.797	TURN(PR)
	UUBAR	0.1180	0.2506	0.2551	0.1100	0.1648	UUBAR
	LOSS PARA	0.0365	0.0719	0.0696	0.0310	0.0469	LOSS PARA
	DFAC	0.6254	0.6643	0.6228	0.4801	0.5094	DFAC
	EFFP	0.9623	0.8980	0.8811	0.8951	0.9859	EFFP
	EFF	0.9606	0.8935	0.8755	0.8896	0.8790	EFF
	INCID	11.163	7.836	6.415	4.428	4.743	INCID
	DEVM	8.755	7.967	6.069	1.352	-0.554	DEVM
	P 1	14.604	14.768	14.757	14.747	14.624	P 1
	P 2	19.987	20.059	20.366	21.277	22.146	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	569.350	571.780	575.810	583.080	592.980	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	48.818	51.527	50.245	40.228	43.946	BETA 2
STATOR-T.E.	BETA 2A	4.652	4.679	2.538	4.732	6.719	BETA 2A
	V 2	630.68	608.72	610.49	649.03	686.00	V 2
	V 2A	432.07	391.88	428.06	502.97	588.05	V 2A
	VZ 2	409.31	377.08	390.05	495.53	493.48	VZ 2
	VZ 2A	427.41	389.49	427.31	501.24	583.77	VZ 2A
	V-THETA 2	467.84	474.52	468.91	419.16	475.64	V-THETA 2
	V-THETA 2A	34.78	31.88	18.94	41.49	68.77	V-THETA 2A
	M 2	0.5556	0.5339	0.5336	0.5656	0.5947	M 2
	M 2A	0.3746	0.3381	0.3688	0.4329	0.5053	M 2A
	TURN(PR)	43.269	46.551	47.646	35.496	37.181	TURN(PR)
	UUBAR	0.0487	0.1244	0.0970	0.1035	0.0434	UUBAR
	LOSS PARA	0.0191	0.0516	0.0436	0.0487	0.0211	LOSS PARA
	DFAC	0.5783	0.6546	0.6286	0.4990	0.4341	DFAC
	EFFP	0.9195	0.8057	0.8290	0.7864	0.8960	EFFP
	INCID	6.986	14.017	15.482	0.228	7.897	INCID
	DEVM	13.317	12.166	10.036	12.732	15.616	DEVM
	P 2	19.987	20.059	20.366	21.277	22.146	P 2
	P 2A	19.803	19.619	20.018	20.847	21.942	P 2A
	T 2	569.350	571.780	575.810	583.080	592.980	T 2
	T 2A	569.320	571.810	575.790	582.750	592.500	T 2A
	P21	20.013	19.846	20.153	21.330	22.199	P21
	UUBAR	0.0570	0.1121	0.0423	0.1166	0.0557	UUBAR
	LOSS PARA	0.0223	0.0589	0.0190	0.0548	0.0270	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.66 EQUIVALENT ROTOR SPEED = 6090.00 CORRECTED WEIGHT FLOW = 246.23

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.956	0.884	0.766	0.775	0.849	BETA 1
ROTOR -T.E.	BETA 2	49.214	47.411	41.976	39.120	42.307	BETA 2
	BETA(PR) 1	58.606	58.038	59.761	62.015	66.485	BETA(PR) 1
	BETA(PR) 2	28.921	40.715	46.399	49.909	53.478	BETA(PR) 2
	V 1	395.14	473.61	505.84	520.28	474.81	V 1
	V 2	617.03	595.30	608.96	632.60	648.53	V 2
	VZ 1	374.84	464.42	503.22	520.11	474.35	VZ 1
	VZ 2	396.67	400.40	451.93	490.77	479.26	VZ 2
	V-THETA 1	6.25	7.16	6.73	7.04	7.03	V-THETA 1
	V-THETA 2	459.77	435.59	406.58	399.12	436.19	V-THETA 2
	V(PR) 1	730.3	882.2	1000.5	1108.5	1189.1	V(PR) 1
	V(PR) 2	466.2	532.3	656.3	762.1	805.7	V(PR) 2
	VTHETA PR1	-614.2	-744.3	-863.3	-978.8	-1090.2	VTHETA PR1
	VTHETA PR2	-219.2	-344.6	-474.6	-583.0	-647.2	VTHETA PR2
	U 1	620.47	751.47	869.99	985.84	1097.18	U 1
	U 2	678.93	780.17	881.15	982.12	1083.37	U 2
	M 1	0.3585	0.4321	0.4627	0.4765	0.4332	M 1
	M 2	0.5435	0.5232	0.5342	0.5525	0.5614	M 2
	M(PR) 1	0.6625	0.8048	0.9152	1.0152	1.0849	M(PR) 1
	M(PR) 2	0.4107	0.4678	0.5758	0.6656	0.6975	M(PR) 2
	TURN(PR)	29.210	17.195	13.323	12.102	13.027	TURN(PR)
	UUBAR	0.0946	0.1583	0.1010	0.0838	0.1472	UUBAR
	LOSS PARA	0.0292	0.0455	0.0286	0.0237	0.0408	LOSS PARA
	DFAC	0.5903	0.5842	0.5090	0.4673	0.4895	DFAC
	EFFP	0.9652	0.9440	0.9758	0.9529	0.8924	EFFP
	EFF	0.9636	0.9416	0.9746	0.9504	0.8861	EFF
	INCID	8.649	4.534	3.033	2.009	3.067	INCID
	DEVM	9.239	7.839	4.210	1.308	0.540	DEVM
	P 1	14.592	14.799	14.773	14.763	14.577	P 1
	P 2	19.836	20.017	20.589	21.285	21.842	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	568.050	568.350	571.650	578.850	590.400	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	46.490	45.574	40.683	37.880	41.193	BETA 2
STATOR-T.E.	BETA 2A	7.061	5.673	3.102	3.297	5.747	BETA 2A
	V 2	632.89	608.93	622.83	649.32	665.72	V 2
	V 2A	455.85	439.04	477.22	546.64	599.57	V 2A
	VZ 2	428.90	423.92	471.70	512.51	500.47	VZ 2
	VZ 2A	449.02	435.67	476.16	545.73	596.32	VZ 2A
	V-THETA 2	451.81	432.50	405.48	398.69	438.02	V-THETA 2
	V-THETA 2A	55.62	43.28	25.80	31.44	60.02	V-THETA 2A
	M 2	0.5584	0.5358	0.5471	0.5681	0.5773	M 2
	M 2A	0.3961	0.3814	0.4144	0.4741	0.5174	M 2A
	TURN(PR)	38.544	39.599	37.520	34.583	35.399	TURN(PR)
	UUBAR	0.0341	0.0871	0.0911	0.0320	0.0257	UUBAR
	LOSS PARA	0.0133	0.0361	0.0410	0.0151	0.0125	LOSS PARA
	DFAC	0.5192	0.5410	0.5064	0.4244	0.3783	DFAC
	EFFP	0.9185	0.8849	0.8410	0.9755	1.1311	EFFP
	INCID	4.652	8.056	5.919	3.880	5.144	INCID
	DEVM	15.708	13.158	10.599	11.297	14.645	DEVM
	P 2	19.836	20.017	20.589	21.285	21.842	P 2
	P 2A	19.707	19.707	20.244	21.151	21.729	P 2A
	T 2	568.050	568.350	571.650	578.850	590.400	T 2
	T 2A	568.390	567.590	571.000	578.050	588.780	T 2A
	P21	19.878	19.795	20.362	21.228	21.909	P21
	UUBAR	0.0457	0.0278	0.0346	0.0199	0.0402	UUBAR
	LOSS PARA	0.0178	0.0115	0.0155	0.0093	0.0195	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.78 EQUIVALENT ROTOR SPEED = 6096.93 CORRECTED WEIGHT FLOW = 263.29

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.228	0.700	1.242	1.309	0.827	BETA 1
ROTOR -T.E.	BETA 2	43.800	39.961	37.149	36.346	37.056	BETA 2
	BETA(PR) 1	55.082	55.409	57.355	60.375	64.171	BETA(PR) 1
	BETA(PR) 2	28.596	40.648	46.442	51.686	54.332	BETA(PR) 2
	V 1	450.41	524.65	553.28	554.32	528.51	V 1
	V 2	638.43	605.40	612.92	609.96	633.16	V 2
	VZ 1	427.23	514.49	550.33	554.04	528.00	VZ 1
	VZ 2	451.90	460.40	487.57	491.28	504.84	VZ 2
	V-THETA 1	9.16	6.29	11.93	12.66	7.63	V-THETA 1
	V-THETA 2	433.36	385.78	369.40	361.48	381.20	V-THETA 2
	V(PR) 1	759.8	912.0	1021.7	1120.9	1212.1	V(PR) 1
	V(PR) 2	529.6	611.5	708.6	792.4	866.2	V(PR) 2
	VTHETA PR1	-612.0	-746.0	-859.0	-974.3	-1090.8	VTHETA PR1
	VTHETA PR2	-246.3	-395.3	-512.8	-621.8	-703.4	VTHETA PR2
	U 1	621.18	752.33	870.98	986.97	1098.43	U 1
	U 2	679.70	781.06	882.15	983.24	1084.60	U 2
	M 1	0.4102	0.4807	0.5082	0.5092	0.4844	M 1
	M 2	0.5643	0.5335	0.5397	0.5346	0.5508	M 2
	M(PR) 1	0.6920	0.8356	0.9386	1.0297	1.1109	M(PR) 1
	M(PR) 2	0.4681	0.5389	0.6239	0.6945	0.7536	M(PR) 2
	TURN(PR)	25.935	14.613	10.869	8.684	9.857	TURN(PR)
	UUBAR	0.0307	0.0682	0.0434	0.0644	0.1118	UUBAR
	LOSS PARA	0.0095	0.0196	0.0123	0.0175	0.0304	LOSS PARA
	DFAC	0.5088	0.4903	0.4509	0.4292	0.4280	DFAC
	EFFP	0.9755	0.9530	1.0000	0.9580	0.8861	EFFP
	EFF	0.9745	0.9510	1.0000	0.9560	0.8801	EFF
	INCID	5.055	1.885	0.622	0.369	0.752	INCID
	DEVM	8.920	7.772	4.253	3.085	1.395	DEVM
	P 1	14.535	14.794	14.784	14.753	14.629	P 1
	P 2	19.664	19.840	20.327	20.575	21.052	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.700	566.400	568.100	572.800	583.300	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	41.446	38.503	36.045	35.252	36.155	BETA 2
STATOR-T.E.	BETA 2A	6.553	4.173	3.378	2.269	4.721	BETA 2A
	V 2	655.50	619.48	627.00	625.63	649.56	V 2
	V 2A	525.91	510.06	537.14	567.43	597.42	V 2A
	VZ 2	482.26	481.49	506.22	510.91	523.89	VZ 2
	VZ 2A	518.58	507.29	535.80	566.97	595.16	VZ 2A
	V-THETA 2	425.86	383.04	368.40	361.09	382.79	V-THETA 2
	V-THETA 2A	59.57	37.01	31.63	22.46	49.15	V-THETA 2A
	M 2	0.5804	0.5467	0.5528	0.5491	0.5660	M 2
	M 2A	0.4604	0.4465	0.4700	0.4959	0.5189	M 2A
	TURN(PR)	34.013	34.033	32.608	32.983	31.389	TURN(PR)
	UUBAR	0.0336	0.0596	0.0489	0.0	0.0302	UUBAR
	LOSS PARA	0.0131	0.0248	0.0220	0.0	0.0148	LOSS PARA
	DFAC	0.4113	0.4056	0.3834	0.3479	0.3325	DFAC
	EFFP	0.9661	0.9737	0.8747	1.2484	1.2810	EFFP
	INCID	-0.383	0.994	1.284	1.252	0.108	INCID
	DEVM	15.204	11.661	10.876	10.269	13.619	DEVM
	P 2	19.664	19.840	20.327	20.575	21.052	P 2
	P 2A	19.529	19.622	20.140	20.575	20.928	P 2A
	T 2	566.700	566.400	568.100	572.800	583.300	T 2
	T 2A	566.020	564.860	567.700	571.600	581.300	T 2A
	P21	19.700	19.777	20.259	20.699	21.103	P21
	UUBAR	0.0422	0.0433	0.0318	0.0315	0.0422	UUBAR
	LOSS PARA	0.0164	0.0180	0.0143	0.0000	0.0020	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.15 EQUIVALENT ROTOR SPEED = 6059.09 CORRECTED WEIGHT FLOW = 277.16

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.168	1.149	1.145	1.260	1.385	BETA 1
ROTOR -T.E.	BETA 2	34.313	30.551	29.563	29.193	29.977	BETA 2
	BETA(PR) 1	31.629	53.028	56.062	59.465	63.526	BETA(PR) 1
	BETA(PR) 2	28.222	39.785	46.942	55.324	56.692	BETA(PR) 2
	V 1	567.10	565.48	577.81	571.43	537.79	V 1
	V 2	688.02	639.71	617.00	558.51	593.52	V 2
	VZ 1	481.01	554.46	574.75	571.15	537.17	VZ 1
	VZ 2	554.05	545.48	535.41	487.55	513.59	VZ 2
	V-THETA 1	9.81	11.12	11.49	12.56	12.99	V-THETA 1
	V-THETA 2	378.13	321.97	303.69	272.41	296.24	V-THETA 2
	V(PR) 1	791.3	928.5	1031.1	1124.3	1205.2	V(PR) 1
	V(PR) 2	647.1	715.5	785.3	857.0	935.6	V(PR) 2
	VTHETA PR1	-667.5	-736.5	-854.1	-968.3	-1078.6	VTHETA PR1
	VTHETA PR2	-297.4	-454.2	-573.0	-704.7	-781.6	VTHETA PR2
	U 1	617.32	747.66	865.57	980.84	1091.62	U 1
	U 2	675.48	776.21	876.68	977.14	1077.87	U 2
	M 1	0.4639	0.5200	0.5320	0.5258	0.4933	M 1
	M 2	0.6149	0.5697	0.5477	0.4936	0.5227	M 2
	M(PR) 1	0.7239	0.8539	0.9494	1.0345	1.1055	M(PR) 1
	M(PR) 2	0.5784	0.6372	0.6972	0.7573	0.8239	M(PR) 2
	TURN(PR)	22.799	13.079	9.073	4.137	6.851	TURN(PR)
	UUBAR	0.0209	0.0351	0.0619	0.1109	0.1289	UUBAR
	LOSS PARA	0.0065	0.0102	0.0173	0.0277	0.0330	LOSS PARA
	DFAC	0.3538	0.3589	0.3553	0.3389	0.3324	DFAC
	EFFP	0.9730	0.9524	0.9323	0.8311	0.8283	EFFP
	EFF	0.9719	0.9506	0.9299	0.8258	0.8221	EFF
	INCID	1.553	-0.510	-0.674	-0.541	0.107	INCID
	DEVM	8.554	6.911	4.752	6.722	3.755	DEVM
	P 1	14.580	14.832	14.772	14.758	14.616	P 1
	P 2	18.975	19.012	18.949	18.334	18.824	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	560.430	558.810	559.830	558.870	566.000	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	32.490	29.455	28.721	28.405	29.323	BETA 2
STATOR-T.E.	BETA 2A	6.149	4.747	5.322	2.969	6.622	BETA 2A
	V 2	708.26	655.62	631.35	572.02	608.24	V 2
	V 2A	689.25	644.18	641.28	620.95	651.30	V 2A
	VZ 2	583.51	566.08	552.72	503.16	529.63	VZ 2
	VZ 2A	680.16	640.18	638.04	620.11	646.69	VZ 2A
	V-THETA 2	371.59	319.69	302.87	272.11	297.48	V-THETA 2
	V-THETA 2A	73.28	53.16	59.44	32.16	75.08	V-THETA 2A
	M 2	0.6344	0.5848	0.5612	0.5061	0.5364	M 2
	M 2A	0.6161	0.5739	0.5706	0.5520	0.5770	M 2A
	TURN(PR)	25.542	24.451	23.349	25.436	22.662	TURN(PR)
	UUBAR	0.0353	0.1234	0.0729	-0.0337	0.0405	UUBAR
	LOSS PARA	0.0217	0.0512	0.0327	-0.0159	0.0197	LOSS PARA
	DFAC	0.1872	0.1837	0.1563	0.1119	0.1089	DFAC
	EFFP	0.1083	-2.1066	2.9909	0.8275	1.1255	EFFP
	INCID	-9.255	-8.016	-6.033	-5.595	-6.719	INCID
	DEVM	14.803	12.233	12.818	10.969	15.519	DEVM
	P 2	18.975	19.012	18.949	18.334	18.824	P 2
	P 2A	18.725	18.527	18.683	18.433	18.688	P 2A
	T 2	560.430	558.810	559.830	558.870	566.000	T 2
	T 2A	560.430	558.820	559.820	558.840	565.500	T 2A
	P21	19.155	18.461	18.704	19.124	18.694	P21
	UUBAR	0.0800	0.0378	0.0594	0.1611	0.0580	UUBAR
	LOSS PARA	0.0312	0.0156	0.0266	0.0760	0.0282	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 70.07 EQUIVALENT ROTOR SPEED 4239.32 CORRECTED WEIGHT FLOW = 179.42

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.075	0.935	1.820	-0.440	-1.375	BETA 1
STATION 2	BETA 2	34.800	32.500	35.350	37.500	47.800	BETA 2
	BETA(PR) 1	51.817	52.824	58.029	67.132	73.351	BETA(PR) 1
	BETA(PR) 2	30.144	39.359	45.627	50.194	55.228	BETA(PR) 2
	V 1	343.15	390.81	369.34	289.63	230.59	V 1
	V 2	466.31	447.52	435.63	438.50	441.24	V 2
	VZ 1	330.90	385.63	367.94	289.59	230.38	VZ 1
	VZ 2	373.94	374.20	354.68	347.89	296.18	VZ 2
	V-THETA 1	0.43	6.29	11.69	-2.22	-5.53	V-THETA 1
	V-THETA 2	259.90	238.39	251.59	266.94	326.64	V-THETA 2
	V(PR) 1	542.9	641.3	695.5	745.2	804.2	V(PR) 1
	V(PR) 2	443.9	487.5	507.8	543.4	519.6	V(PR) 2
	VTHETA PR1	-420.8	-508.5	-589.5	-686.6	-770.4	VTHETA PR1
	VTHETA PR2	-217.2	-306.9	-362.5	-417.5	-426.6	VTHETA PR2
	U 1	421.19	514.79	601.17	684.41	764.87	U 1
	U 2	477.05	545.31	614.12	684.41	753.22	U 2
	M 1	0.3103	0.3544	0.3345	0.2612	0.2074	M 1
	M 2	0.4164	0.3993	0.3873	0.3882	0.3887	M 2
	M(PR) 1	0.4910	0.5816	0.6300	0.6721	0.7234	M(PR) 1
	M(PR) 2	0.3964	0.4349	0.4515	0.4811	0.4578	M(PR) 2
	TURN(PR)	21.514	13.439	12.393	16.936	18.157	TURN(PR)
	UUBAR	0.0087	0.0440	0.0424	0.0407	0.2197	UUBAR
	LOSS PARA	0.0027	0.0129	0.0122	0.0114	0.0584	LOSS PARA
	DFAC	0.3611	0.3812	0.4129	0.4292	0.5449	DFAC
	EFFP	0.9602	0.9484	0.9753	1.0229	0.9181	EFFP
	EFF	0.9594	0.9474	0.9747	1.0235	0.9157	EFF
	INCID	2.701	-0.541	1.343	7.130	9.942	INCID
	DEVM	10.487	6.520	3.450	1.594	2.285	DEVM
	P 1	15.015	15.126	14.817	14.296	14.113	P 1
	P 2	17.186	17.237	17.247	17.289	17.279	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	539.970	539.525	542.300	546.990	552.425	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	34.800	32.500	35.350	37.500	47.800	BETA 2
STATION 2A	BETA 2A	5.820	4.250	3.540	4.070	4.560	BETA 2A
	V 2	466.31	447.52	435.63	438.50	441.24	V 2
	V 2A	428.93	411.95	403.94	404.01	391.68	V 2A
	VZ 2	373.94	374.20	354.68	347.89	296.18	VZ 2
	VZ 2A	424.89	410.15	402.99	402.99	390.35	VZ 2A
	V-THETA 2	259.90	238.39	251.59	266.94	326.64	V-THETA 2
	V-THETA 2A	43.31	30.48	24.93	28.67	31.13	V-THETA 2A
	M 2	0.4164	0.3993	0.3873	0.3882	0.3887	M 2
	M 2A	0.3820	0.3666	0.3584	0.3569	0.3440	M 2A
	TURN(PR)	28.078	27.944	31.739	33.430	43.195	TURN(PR)
	UUBAR	0.0202	0.0440	0.0478	0.0457	0.0887	UUBAR
	LOSS PARA	0.0079	0.0193	0.0215	0.0215	0.0433	LOSS PARA
	DFAC	0.2548	0.2681	0.3045	0.3348	0.4431	DFAC
	EFFP	0.8766	0.7298	0.6975	0.7922	0.6543	EFFP
	INCID	-7.027	-5.013	0.578	3.500	11.754	INCID
	DEVM	14.495	11.743	11.039	12.070	13.459	DEVM
	P 2	17.186	17.237	17.247	17.289	17.279	P 2
	P 2A	17.147	17.158	17.166	17.211	17.127	P 2A
	T 2	539.970	539.525	542.300	546.990	552.425	T 2
	T 2A	539.975	539.525	542.240	546.750	552.160	T 2A
	P21	17.232	17.211	17.227	17.227	17.227	P21
	UUBAR	0.0425	0.0297	0.0358	0.0089	0.0597	UUBAR
	LOSS PARA	0.0166	0.0123	0.0161	0.0041	0.0291	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 70.08 EQUIVALENT ROTOR SPEED = 4239.55 CORRECTED WEIGHT FLOW = 185.25

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.320	0.320	2.855	0.285	-0.455	BETA 1
STATION 2	BETA 2	34.000	30.410	32.400	36.650	42.900	BETA 2
	BETA(PR) 1	50.980	51.341	56.438	65.295	71.872	BETA(PR) 1
	BETA(PR) 2	29.781	39.518	45.821	50.762	54.648	BETA(PR) 2
	V 1	352.37	412.64	387.85	314.21	251.24	V 1
	V 2	472.84	451.95	438.05	433.39	440.03	V 2
	VZ 1	339.79	407.18	86.09	314.17	251.08	VZ 1
	VZ 2	382.65	386.27	69.15	347.71	322.06	VZ 2
	V-THETA 1	1.90	5.83	19.25	1.56	-1.99	V-THETA 1
	V-THETA 2	258.10	226.72	234.27	258.70	299.28	V-THETA 2
	V(PR) 1	547.7	655.2	699.1	751.7	807.0	V(PR) 1
	V(PR) 2	452.7	504.4	530.4	549.7	556.9	V(PR) 2
	VTHETA PR1	-419.3	-509.0	-581.9	-682.9	-766.9	VTHETA PR1
	VTHETA PR2	-219.0	-318.6	-379.9	-425.7	-454.0	VTHETA PR2
	U 1	421.21	514.81	601.20	684.45	764.92	U 1
	U 2	477.08	545.34	614.15	684.45	753.26	U 2
	M 1	0.3188	0.3748	0.3517	0.2837	0.2262	M 1
	M 2	0.4240	0.4048	0.3914	0.3850	0.3889	M 2
	M(PR) 1	0.4956	0.5951	0.6339	0.6787	0.7266	M(PR) 1
	M(PR) 2	0.4059	0.4517	0.4738	0.4883	0.4922	M(PR) 2
	TURN(PR)	21.028	11.792	10.606	14.531	17.257	TURN(PR)
	UUBAR	0.0266	0.0357	0.0007	0.0302	0.1382	UUBAR
	LOSS PARA	0.0081	0.0104	0.0002	0.0084	0.0373	LOSS PARA
	DFAC	0.3486	0.3619	0.3690	0.4187	0.4825	DFAC
	EFFP	1.1202	1.1036	1.1704	1.1398	1.0257	EFFP
	EFF	1.1224	1.1055	1.1740	1.1435	1.0264	EFF
	INCID	1.358	-2.029	-0.249	5.292	8.462	INCID
	DEVM	10.130	6.679	3.644	2.161	1.704	DEVM
	P 1	15.011	15.181	14.876	14.281	14.011	P 1
	P 2	17.109	17.207	17.199	17.162	17.166	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	536.300	535.800	537.400	543.150	548.890	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	34.000	30.410	32.400	36.650	42.900	BETA 2
STATION 2A	BETA 2A	5.480	4.125	3.160	3.595	4.660	BETA 2A
	V 2	472.84	451.95	438.05	433.39	440.03	V 2
	V 2A	445.66	430.48	418.01	411.52	405.94	V 2A
	VZ 2	382.65	386.27	369.15	347.71	322.06	VZ 2
	VZ 2A	441.71	428.66	417.20	410.70	404.50	VZ 2A
	V-THETA 2	258.10	226.72	234.27	258.70	299.28	V-THETA 2
	V-THETA 2A	42.38	30.92	23.03	25.80	32.97	V-THETA 2A
	M 2	0.4240	0.4048	0.3914	0.3850	0.3889	M 2
	M 2A	0.3989	0.3850	0.3730	0.3651	0.3581	M 2A
	TURN(PR)	27.627	25.991	29.172	33.055	38.195	TURN(PR)
	UUBAR	0.0122	0.0494	0.0612	0.0443	0.0670	UUBAR
	LOSS PARA	0.0048	0.0205	0.0275	0.0208	0.0327	LOSS PARA
	DFAC	0.2291	0.2233	0.2605	0.3038	0.3765	DFAC
	EFFP	1.0283	0.4996	0.3712	0.6839	0.6526	EFFP
	INCID	-7.817	-7.091	-2.369	2.650	6.854	INCID
	DEVM	14.156	11.618	10.659	11.595	13.559	DEVM
	P 2	17.109	17.207	17.199	17.162	17.166	P 2
	P 2A	17.085	17.117	17.093	17.088	17.052	P 2A
	T 2	536.300	535.800	537.400	543.150	548.890	T 2
	T 2A	536.030	535.810	537.340	542.900	548.600	T 2A
	P21	17.197	17.170	17.123	17.096	17.107	P21
	UUBAR	0.0523	0.0281	0.0160	0.0032	0.0315	UUBAR
	LOSS PARA	0.0205	0.0116	0.0071	0.0015	0.0153	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

ERCENT EQUIVALENT DESIGN SPEED = 70.54 EQUIVALENT ROTOR SPEED = 4267.57 CORRECTED WEIGHT FLOW = 196.14

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.730	0.950	1.350	0.615	-0.720	BETA 1
STATION 2	BETA 2	31.680	28.190	29.190	35.620	41.300	BETA 2
	BETA(PR) 1	49.241	50.630	56.349	66.268	71.042	BETA(PR) 1
	BETA(PR) 2	29.407	38.873	46.290	50.683	54.920	BETA(PR) 2
	V 1	374.89	425.15	398.07	301.54	265.82	V 1
	V 2	490.23	468.46	442.19	437.47	438.76	V 2
	VZ 1	361.49	419.51	396.64	301.48	265.64	VZ 1
	VZ 2	406.72	409.03	385.25	355.61	329.33	VZ 2
	V-THETA 1	4.61	6.96	9.35	3.24	-3.34	V-THETA 1
	V-THETA 2	251.00	219.23	215.22	254.78	289.32	V-THETA 2
	V(PR) 1	562.5	664.9	716.5	749.1	817.7	V(PR) 1
	V(PR) 2	479.5	529.3	558.2	561.2	573.3	V(PR) 2
	VTHETA PR1	-419.4	-511.3	-595.8	-685.7	-773.3	VTHETA PR1
	VTHETA PR2	-229.2	-329.7	-403.0	-434.2	-468.9	VTHETA PR2
	U 1	424.00	518.23	605.19	688.98	769.99	U 1
	U 2	480.24	548.95	618.22	688.98	758.26	U 2
	M 1	0.3397	0.3865	0.3612	0.2721	0.2395	M 1
	M 2	0.4393	0.4194	0.3945	0.3882	0.3854	M 2
	M(PR) 1	0.5096	0.6044	0.6501	0.6760	0.7367	M(PR) 1
	M(PR) 2	0.4297	0.4738	0.4980	0.4980	0.5035	M(PR) 2
	TURN(PR)	19.646	11.723	10.048	15.583	16.155	TURN(PR)
	UUBAR	0.0031	0.0233	-0.0072	-0.0045	0.1356	UUBAR
	LOSS PARA	0.0010	0.0069	-0.0021	-0.0012	0.0363	LOSS PARA
	DFAC	0.3118	0.3287	0.3401	0.3980	0.4644	DFAC
	EFFP	1.0057	0.9935	1.0503	1.1179	0.8260	EFFP
	EFF	1.0058	0.9934	1.0513	1.1211	0.8210	EFF
	INCID	-0.391	-2.742	-0.339	6.265	7.632	INCID
	DEVM	9.763	6.035	4.114	2.082	1.977	DEVM
	P 1	15.057	15.232	14.882	14.127	14.006	P 1
	P 2	17.152	17.237	17.152	17.088	17.082	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	538.250	537.480	539.120	544.550	555.970	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	31.680	28.190	29.190	35.620	41.300	BETA 2
STATION 2A	BETA 2A	4.970	4.140	2.820	3.530	4.820	BETA 2A
	V 2	490.23	468.46	442.19	437.47	438.76	V 2
	V 2A	474.84	458.29	435.96	423.60	418.17	V 2A
	VZ 2	406.72	409.03	385.25	355.61	329.33	VZ 2
	VZ 2A	471.02	456.35	435.25	422.80	416.60	VZ 2A
	V-THETA 2	251.00	219.23	215.22	254.78	289.32	V-THETA 2
	V-THETA 2A	40.96	33.03	21.44	26.08	35.13	V-THETA 2A
	M 2	0.4393	0.4194	0.3945	0.3882	0.3854	M 2
	M 2A	0.4250	0.4100	0.3888	0.3756	0.3686	M 2A
	TURN(PR)	25.849	23.770	26.306	32.090	36.436	TURN(PR)
	UUBAR	0.0359	0.0584	0.0676	0.0686	0.0747	UUBAR
	LOSS PARA	0.0141	0.0243	0.0304	0.0323	0.0365	LOSS PARA
	DFAC	0.1926	0.1829	0.2092	0.2781	0.3332	DFAC
	EFFP	0.4561	-0.2670	-1.5015	-0.0577	-0.0524	EFFP
	INCID	-10.103	-9.297	-5.575	1.620	5.255	INCID
	DEVM	13.649	11.633	10.319	11.530	13.719	DEVM
	P 2	17.152	17.237	17.152	17.088	17.082	P 2
	P 2A	17.075	17.122	17.034	16.972	16.957	P 2A
	T 2	538.250	537.480	539.120	544.550	555.970	T 2
	T 2A	538.275	537.470	539.050	544.280	550.270	T 2A
	P21	17.173	17.199	17.088	17.066	17.024	P21
	UUBAR	0.0454	0.0402	0.0132	0.1996	0.0416	UUBAR
	LOSS PARA	0.0178	0.0167	0.0059	0.0939	0.0203	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 89.99 EQUIVALENT ROTOR SPEED = 5444.17 CORRECTED WEIGHT FLOW = 238.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.600	0.940	0.840	0.100	1.750	BETA 1
STATION 2	BETA 2	33.700	31.690	30.600	39.140	39.300	BETA 2
	BETA(PR) 1	48.247	49.762	55.179	65.399	70.874	BETA(PR) 1
	BETA(PR) 2	30.038	38.099	45.493	49.288	53.329	BETA(PR) 2
	V 1	496.08	559.18	533.40	402.15	337.43	V 1
	V 2	605.95	592.42	570.66	573.51	578.84	V 2
	VZ 1	478.35	551.76	531.58	402.10	337.07	VZ 1
	VZ 2	492.01	499.69	490.22	444.81	447.50	VZ 2
	V-THETA 1	5.01	9.05	7.79	0.70	10.30	V-THETA 1
	V-THETA 2	328.13	308.49	289.92	362.01	366.28	V-THETA 2
	V(PR) 1	730.2	858.9	931.9	965.9	1029.8	V(PR) 1
	V(PR) 2	583.5	639.8	700.7	682.0	749.7	V(PR) 2
	VTHETA PR1	-535.9	-652.0	-764.2	-878.2	-972.0	VTHETA PR1
	VTHETA PR2	-284.5	-391.8	-498.7	-516.9	-601.0	VTHETA PR2
	U 1	540.89	661.09	772.03	878.92	982.26	U 1
	U 2	612.63	700.29	788.65	878.92	967.29	U 2
	M 1	0.4534	0.5139	0.4891	0.3650	0.3050	M 1
	M 2	0.5413	0.5287	0.5061	0.5046	0.5049	M 2
	M(PR) 1	0.6674	0.7894	0.8545	0.8767	0.9301	M(PR) 1
	M(PR) 2	0.5212	0.5709	0.6210	0.6000	0.6539	M(PR) 2
	TURN(PR)	18.028	11.624	9.673	16.109	17.578	TURN(PR)
	UUBAR	0.0480	0.0642	-0.0084	0.0268	0.0362	UUBAR
	LOSS PARA	0.0146	0.0191	-0.0024	0.0077	0.0101	LOSS PARA
	DFAC	0.3667	0.3913	0.3741	0.4580	0.4312	DFAC
	EFFP	0.9351	0.9567	0.9988	1.0956	0.9724	EFFP
	EFF	0.9332	0.9554	0.9988	1.1002	0.9710	EFF
	INCID	-1.390	-3.612	-1.511	5.396	7.463	INCID
	DEVM	10.383	5.264	3.317	0.687	0.385	DEVM
	P 1	15.401	15.611	14.984	13.697	13.497	P 1
	P 2	18.886	19.201	19.140	19.019	19.167	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	552.060	551.770	556.320	565.060	575.000	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	33.700	31.690	30.600	39.140	39.300	BETA 2
STATION 2A	BETA 2A	5.320	4.310	2.550	3.990	5.960	BETA 2A
	V 2	605.95	592.42	570.66	573.51	578.84	V 2
	V 2A	557.59	550.23	534.89	520.49	525.92	V 2A
	VZ 2	492.01	499.69	490.22	444.81	447.50	VZ 2
	VZ 2A	552.80	547.78	534.13	519.23	522.96	VZ 2A
	V-THETA 2	328.13	308.49	289.92	362.01	366.28	V-THETA 2
	V-THETA 2A	51.48	41.28	23.79	36.22	54.60	V-THETA 2A
	M 2	0.5413	0.5287	0.5061	0.5046	0.5049	M 2
	M 2A	0.4959	0.4892	0.4729	0.4561	0.4569	M 2A
	TURN(PR)	27.490	27.079	27.984	35.150	33.296	TURN(PR)
	UUBAR	-0.0049	0.0333	0.0249	0.0190	0.0544	UUBAR
	LOSS PARA	-0.0019	0.0138	0.0112	0.0089	0.0265	LOSS PARA
	DFAC	0.2517	0.2543	0.2705	0.3603	0.3576	DFAC
	EFFP	1.0199	0.7871	0.8445	0.9826	0.7908	EFFP
	INCID	-8.113	-5.818	-4.167	5.140	3.255	INCID
	DEVM	13.997	11.803	10.049	11.990	14.859	DEVM
	P 2	18.886	19.201	19.140	19.019	19.167	P 2
	P 2A	18.902	19.090	19.063	18.961	19.000	P 2A
	T 2	552.060	551.770	556.320	565.060	575.000	T 2
	T 2A	552.100	551.750	556.200	564.650	574.930	T 2A
	P21	18.942	19.064	18.953	18.899	18.901	P21
	UUBAR	0.0111	0.0288	0.0309	0.0199	0.0485	UUBAR
	LOSS PARA	0.0043	0.0119	0.0138	0.0093	0.0236	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 89.96 EQUIVALENT ROTOR SPEED = 5442.73 CORRECTED WEIGHT FLOW = 242.38

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.980	0.850	0.280	-0.140	2.220	BETA 1
STATION 2	BETA 2	33.800	29.850	31.760	38.900	44.400	BETA 2
	BETA(PR) 1	47.904	49.703	55.155	65.184	69.760	BETA(PR) 1
	BETA(PR) 2	29.727	38.725	45.045	49.422	54.095	BETA(PR) 2
	V 1	498.98	560.91	537.29	406.82	357.46	V 1
	V 2	608.76	592.11	573.30	571.83	573.88	V 2
	VZ 1	481.11	553.48	535.51	406.77	356.98	VZ 1
	VZ 2	493.75	508.90	486.51	445.02	409.68	VZ 2
	V-THETA 1	8.23	8.21	2.62	-0.99	13.84	V-THETA 1
	V-THETA 2	330.54	292.04	301.18	359.08	401.19	V-THETA 2
	V(PR) 1	729.7	860.6	938.3	969.2	1031.9	V(PR) 1
	V(PR) 2	583.8	657.1	689.5	684.1	699.0	V(PR) 2
	VTHETA PR1	-532.5	-652.7	-769.2	-879.7	-968.2	VTHETA PR1
	VTHETA PR2	-281.9	-408.1	-487.3	-519.6	-565.8	VTHETA PR2
	U 1	540.75	660.92	771.82	878.69	981.99	U 1
	U 2	612.47	700.10	788.45	878.69	967.03	U 2
	M 1	0.4562	0.5156	0.4928	0.3693	0.3235	M 1
	M 2	0.5446	0.5290	0.5090	0.5037	0.5012	M 2
	M(PR) 1	0.6671	0.7911	0.8606	0.8799	0.9340	M(PR) 1
	M(PR) 2	0.5223	0.5870	0.6122	0.6026	0.6105	M(PR) 2
	TURN(PR)	17.989	10.941	10.098	15.760	15.698	TURN(PR)
	UUBAR	0.0541	0.0467	0.0397	0.0322	0.1072	UUBAR
	LOSS PARA	0.0165	0.0138	0.0115	0.0092	0.0293	LOSS PARA
	DFAC	0.3656	0.3652	0.3970	0.4570	0.4961	DFAC
	EFFP	0.9588	0.9608	1.0045	1.1180	0.9990	EFFP
	EFF	0.9576	0.9596	1.0046	1.1236	0.9989	EFF
	INCID	-1.734	-3.671	-1.534	5.181	6.349	INCID
	DEVM	10.077	5.888	2.868	0.821	1.151	DEVM
	P 1	15.411	15.651	15.016	13.690	13.473	P 1
	P 2	18.865	19.138	19.078	18.943	19.083	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	550.910	550.670	555.260	563.580	573.000	T 21

ROTOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	33.800	29.850	31.760	38.900	44.400	BETA 2
STATION 2A	BETA 2A	4.820	3.770	2.280	3.930	5.780	BETA 2A
	V 2	608.76	592.11	573.30	571.83	573.88	V 2
	V 2A	568.11	555.78	534.85	517.42	524.13	V 2A
	VZ 2	493.75	508.90	486.51	445.02	409.68	VZ 2
	VZ 2A	563.66	553.68	534.20	516.20	521.35	VZ 2A
	V-THETA 2	330.54	292.04	301.18	359.08	401.19	V-THETA 2
	V-THETA 2A	47.53	36.48	21.27	35.46	52.77	V-THETA 2A
	M 2	0.5446	0.5290	0.5090	0.5037	0.5012	M 2
	M 2A	0.5063	0.4949	0.4733	0.4539	0.4561	M 2A
	TURN(PR)	28.087	25.788	29.412	34.970	38.575	TURN(PR)
	UUBAR	0.0210	0.0426	0.0530	0.0640	0.0855	UUBAR
	LOSS PARA	0.0082	0.0177	0.0238	0.0301	0.0417	LOSS PARA
	DFAC	0.2420	0.2366	0.2846	0.3619	0.3867	DFAC
	EFFP	0.8539	0.6842	0.6371	0.7327	0.5945	EFFP
	INCID	-8.014	-7.648	-3.008	4.900	8.354	INCID
	DEVM	13.499	11.264	9.779	11.930	14.679	DEVM
	P 2	18.865	19.138	19.078	18.943	19.083	P 2
	P 2A	18.792	18.996	18.915	18.750	18.826	P 2A
	T 2	550.910	550.670	555.260	563.580	573.000	T 2
	T 2A	550.920	550.650	555.230	563.210	572.490	T 2A
	P21	19.010	19.132	19.022	18.877	18.949	P21
	UUBAR	0.0605	0.0409	0.0314	0.0427	0.0426	UUBAR
	LOSS PARA	0.0236	0.0169	0.0141	0.0200	0.0207	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)
Radial Distortion

RCENT EQUIVALENT DESIGN SPEED = 89.78 EQUIVALENT ROTOR SPEED = 5431.75 CORRECTED WEIGHT FLOW = 245.02

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.840	0.710	1.050	0.380	1.620	BETA 1
STATION 2	BETA 2	31.730	29.140	30.550	37.630	42.280	BETA 2
	BETA(PR) 1	47.317	49.119	54.656	64.131	69.617	BETA(PR) 1
	BETA(PR) 2	30.155	39.436	44.730	49.567	54.453	BETA(PR) 2
	V 1	509.27	572.48	541.14	423.92	360.71	V 1
	V 2	614.63	597.55	579.12	569.42	565.47	V 2
	VZ 1	491.05	564.91	539.25	423.86	360.35	VZ 1
	VZ 2	509.66	517.12	497.74	450.96	418.01	VZ 2
	V-THETA 1	7.20	7.00	9.88	2.81	10.19	V-THETA 1
	V-THETA 2	315.14	288.30	293.78	347.66	380.09	V-THETA 2
	V(PR) 1	736.8	868.1	933.2	971.5	1034.7	V(PR) 1
	V(PR) 2	605.1	665.1	701.6	695.3	719.4	V(PR) 2
	VTHETA PR1	-532.5	-652.6	-760.4	-874.1	-969.8	VTHETA PR1
	VTHETA PR2	-296.1	-410.4	-493.1	-529.3	-585.0	VTHETA PR2
	U 1	539.66	659.58	770.27	876.92	980.02	U 1
	U 2	611.24	698.69	786.86	876.92	965.08	U 2
	M 1	0.4660	0.5268	0.4965	0.3853	0.3265	M 1
	M 2	0.5503	0.5341	0.5143	0.5020	0.4944	M 2
	M(PR) 1	0.6741	0.7989	0.8563	0.8830	0.9366	M(PR) 1
	M(PR) 2	0.5418	0.5945	0.6231	0.6130	0.6290	M(PR) 2
	TURN(PR)	16.980	10.644	9.913	14.562	15.196	TURN(PR)
	UUBAR	0.0460	0.0556	0.0305	0.0257	0.0893	UUBAR
	LOSS PARA	0.0140	0.0165	0.0089	0.0073	0.0242	LOSS PARA
	DFAC	0.3354	0.3603	0.3744	0.4399	0.4700	DFAC
	EFFP	0.9299	0.9357	0.9619	1.1056	1.0068	EFFP
	EFF	0.9279	0.9339	0.9606	1.1104	1.0071	EFF
	INCID	-2.322	-4.257	-2.033	4.128	6.205	INCID
	DEVM	10.498	5.599	2.554	0.967	1.509	DEVM
	P 1	15.458	15.673	15.003	13.697	13.423	P 1
	P 2	18.770	19.059	18.900	18.731	18.829	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	550.590	550.620	555.530	562.400	570.980	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	31.730	29.140	30.550	37.630	42.280	BETA 2
STATION 2A	BETA 2A	4.730	3.930	2.320	3.950	5.790	BETA 2A
	V 2	614.63	597.55	579.12	569.42	565.47	V 2
	V 2A	588.79	575.33	550.59	529.99	535.45	V 2A
	VZ 2	509.66	517.12	497.74	450.96	418.01	VZ 2
	VZ 2A	584.26	573.05	549.90	528.73	532.60	VZ 2A
	V-THETA 2	315.14	288.30	293.78	347.66	380.09	V-THETA 2
	V-THETA 2A	48.34	39.37	22.28	36.51	54.01	V-THETA 2A
	M 2	0.5503	0.5341	0.5143	0.5020	0.4944	M 2
	M 2A	0.5259	0.5132	0.4878	0.4659	0.4672	M 2A
	TURN(PR)	26.137	24.923	28.164	33.680	36.446	TURN(PR)
	UUBAR	0.0224	0.0472	0.0494	0.0487	0.0725	UUBAR
	LOSS PARA	0.0088	0.0196	0.0223	0.0229	0.0354	LOSS PARA
	DFAC	0.2055	0.2062	0.2582	0.3269	0.3382	DFAC
	EFFP	0.7601	0.4286	0.5655	0.7431	0.4320	EFFP
	INCID	-10.054	-8.353	-4.217	3.630	6.234	INCID
	DEVM	13.410	11.424	9.819	11.950	14.689	DEVM
	P 2	18.770	19.059	18.900	18.731	18.829	P 2
	P 2A	18.692	18.900	18.746	18.587	18.618	P 2A
	T 2	550.590	550.620	555.530	562.400	570.980	T 2
	T 2A	550.590	550.600	555.390	562.030	570.500	T 2A
	P21	18.894	19.012	18.844	18.637	18.704	P21
	UUBAR	0.0544	0.0369	0.0303	0.0156	0.0290	UUBAR
	LOSS PARA	0.0213	0.0153	0.0136	0.0073	-0.0141	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 99.64 EQUIVALENT ROTOR SPEED = 6028.52 CORRECTED WEIGHT FLOW = 261.21

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.490	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.710	0.710	0.630	1.370	3.140	BETA 1
STATION 2	BETA 2	34.600	32.330	34.400	41.850	47.120	BETA 2
	BETA(PR) 1	47.812	50.132	55.011	64.991	69.990	BETA(PR) 1
	BETA(PR) 2	31.535	40.169	46.639	51.216	54.094	BETA(PR) 2
	V 1	556.75	613.23	595.81	449.19	389.17	V 1
	V 2	647.50	626.72	608.12	610.51	640.86	V 2
	VZ 1	536.84	605.13	593.80	449.01	388.35	VZ 1
	VZ 2	520.44	525.00	500.85	454.76	435.76	VZ 2
	V-THETA 1	6.65	7.50	6.53	10.74	21.30	V-THETA 1
	V-THETA 2	359.03	332.28	342.94	407.32	469.26	V-THETA 2
	V(PR) 1	812.9	949.2	1036.7	1062.1	1135.0	V(PR) 1
	V(PR) 2	626.4	691.9	730.4	726.0	743.5	V(PR) 2
	VTHETA PR1	-592.3	-724.6	-848.4	-962.5	-1066.4	VTHETA PR1
	VTHETA PR2	-319.4	-443.2	-530.4	-565.9	-601.9	VTHETA PR2
	U 1	598.95	732.05	854.89	973.26	1087.69	U 1
	U 2	678.39	775.45	873.31	973.26	1071.11	U 2
	M 1	0.5116	0.5667	0.5496	0.4090	0.3529	M 1
	M 2	0.5765	0.5560	0.5350	0.5331	0.5558	M 2
	M(PR) 1	0.7469	0.8771	0.9562	0.9672	1.0292	M(PR) 1
	M(PR) 2	0.5577	0.6138	0.6426	0.6339	0.6447	M(PR) 2
	TURN(PR)	16.120	9.930	8.358	13.773	15.928	TURN(PR)
	UUBAR	0.0423	0.0501	0.0452	0.0103	0.1103	UUBAR
	LOSS PARA	0.0127	0.0145	0.0127	0.0028	0.0302	LOSS PARA
	DFAC	0.3919	0.4046	0.4300	0.4802	0.5273	DFAC
	EFFP	0.9206	0.9121	0.9230	1.0839	1.0160	EFFP
	EFF	0.9178	0.9088	0.9197	1.0889	1.0170	EFF
	INCID	-1.826	-3.241	-1.679	4.989	6.579	INCID
	DEVM	11.854	7.328	4.463	2.616	1.151	DEVM
	P 1	15.616	15.807	15.107	13.453	13.168	P 1
	P 2	19.986	20.360	20.303	20.137	20.512	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.980	561.510	568.410	576.880	587.550	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	34.600	32.330	34.400	41.850	47.120	BETA 2
STATION 2A	BETA 2A	5.450	3.740	2.420	3.870	7.040	BETA 2A
	V 2	647.50	626.72	608.12	610.51	640.86	V 2
	V 2A	604.74	586.76	577.54	562.48	572.47	V 2A
	VZ 2	520.44	525.00	500.85	454.76	435.76	VZ 2
	VZ 2A	599.42	586.56	576.77	561.19	568.03	VZ 2A
	V-THETA 2	359.03	332.28	342.94	407.32	469.26	V-THETA 2
	V-THETA 2A	57.19	38.21	24.38	37.96	70.15	V-THETA 2A
	M 2	0.5765	0.5560	0.5350	0.5331	0.5558	M 2
	M 2A	0.5361	0.5186	0.5068	0.4893	0.4934	M 2A
	TURN(PR)	28.249	28.284	31.910	37.980	40.036	TURN(PR)
	UUBAR	0.0028	0.0452	0.0168	0.0055	0.0781	UUBAR
	LOSS PARA	0.0011	0.0188	0.0076	0.0026	0.0380	LOSS PARA
	DFAC	0.2415	0.2544	0.2837	0.3639	0.4146	DFAC
	EFFP	0.9808	0.6766	0.8781	1.0654	0.6570	EFFP
	INCID	-7.225	-5.182	-0.371	7.850	11.074	INCID
	DEVM	14.127	11.234	9.919	11.870	15.938	DEVM
	P 2	19.986	20.360	20.303	20.137	20.512	P 2
	P 2A	19.975	20.186	20.243	20.117	20.209	P 2A
	T 2	559.980	561.510	568.410	576.880	587.550	T 2
	T 2A	559.980	561.510	568.300	576.430	587.550	T 2A
	P21	20.184	20.395	20.378	20.258	20.480	P21
	UUBAR	0.0498	0.0541	0.0372	0.0388	0.0710	UUBAR
	LOSS PARA	0.0195	0.0225	0.0168	0.0183	0.0345	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 99.62 EQUIVALENT ROTOR SPEED = 6027.29 CORRECTED WEIGHT FLOW = 261.38

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.750	0.680	0.430	0.560	3.370	BETA 1
STATION 2	BETA 2	34.040	31.500	33.930	41.900	47.400	BETA 2
	BETA(PR) 1	47.804	49.777	55.044	64.446	69.858	BETA(PR) 1
	BETA(PR) 2	30.020	38.592	44.873	49.516	53.655	BETA(PR) 2
	V 1	556.45	621.05	596.38	463.18	391.34	V 1
	V 2	669.00	650.20	631.93	631.94	647.14	V 2
	VZ 1	536.54	612.85	594.39	463.10	390.43	VZ 1
	VZ 2	541.16	549.52	523.36	470.36	437.71	VZ 2
	V-THETA 1	7.02	7.27	4.46	4.53	22.99	V-THETA 1
	V-THETA 2	365.56	336.75	352.08	422.03	476.01	V-THETA 2
	V(PR) 1	812.3	954.3	1038.5	1073.6	1133.9	V(PR) 1
	V(PR) 2	641.6	708.3	739.5	724.5	739.0	V(PR) 2
	VTHETA PR1	-591.8	-724.6	-850.3	-968.5	-1064.5	VTHETA PR1
	VTHETA PR2	-312.7	-438.5	-521.0	-551.0	-594.9	VTHETA PR2
	U 1	598.83	731.90	854.72	973.06	1087.46	U 1
	U 2	678.25	775.29	873.13	973.06	1070.90	U 2
	M 1	0.5113	0.5744	0.5501	0.4222	0.3549	M 1
	M 2	0.5981	0.5792	0.5584	0.5543	0.5622	M 2
	M(PR) 1	0.7464	0.8826	0.9580	0.9787	1.0284	M(PR) 1
	M(PR) 2	0.5736	0.6309	0.6535	0.6355	0.6420	M(PR) 2
	TURN(PR)	17.601	11.149	10.158	14.927	16.236	TURN(PR)
	UUBAR	0.0614	0.0842	0.0788	0.0763	0.1370	UUBAR
	LOSS PARA	0.0187	0.0249	0.0229	0.0217	0.0378	LOSS PARA
	DFAC	0.3755	0.3926	0.4267	0.4957	0.5329	DFAC
	EFFP	0.9599	0.9121	0.9442	1.1037	1.0133	EFFP
	EFF	0.9585	0.9091	0.9419	1.1096	1.0142	EFF
	INCID	-1.834	-3.597	-1.645	4.443	6.447	INCID
	DEVM	10.365	5.755	2.697	0.916	0.711	DEVM
	P 1	15.598	15.887	15.089	13.506	13.152	P 1
	P 2	19.937	20.259	20.163	19.990	20.303	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	558.020	559.740	566.250	574.110	586.250	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	34.040	31.500	33.930	41.900	47.400	BETA 2
STATION 2A	BETA 2A	5.260	3.670	2.270	3.670	7.300	BETA 2A
	V 2	669.00	650.20	631.93	631.94	647.14	V 2
	V 2A	607.42	593.61	574.92	556.43	573.34	V 2A
	VZ 2	541.16	549.52	523.36	470.36	437.71	VZ 2
	VZ 2A	602.26	591.43	574.22	555.28	568.56	VZ 2A
	V-THETA 2	365.56	336.75	352.08	422.03	476.01	V-THETA 2
	V-THETA 2A	55.45	37.94	22.76	35.62	72.83	V-THETA 2A
	M 2	0.5981	0.5792	0.5584	0.5543	0.5622	M 2
	M 2A	0.5396	0.5258	0.5054	0.4849	0.4950	M 2A
	TURN(PR)	27.885	27.529	31.590	38.230	40.056	TURN(PR)
	UUBAR	0.0253	0.0405	0.0380	0.0434	0.0729	UUBAR
	LOSS PARA	0.0099	0.0168	0.0171	0.0204	0.0354	LOSS PARA
	DFAC	0.2666	0.2738	0.3225	0.4078	0.4221	DFAC
	EFFP	0.8751	0.7873	0.8257	0.8685	0.7536	EFFP
	INCID	-7.777	-6.007	-0.841	7.900	11.354	INCID
	DEVM	13.937	11.164	9.769	11.670	16.198	DEVM
	P 2	19.937	20.259	20.163	19.990	20.303	P 2
	P 2A	19.829	20.092	20.016	19.827	20.017	P 2A
	T 2	558.020	559.740	566.250	574.110	586.250	T 2
	T 2A	558.020	559.740	566.100	573.750	585.680	T 2A
	P21	20.065	20.260	20.157	19.934	20.248	P21
	UUBAR	0.0523	0.0394	0.0351	0.0274	0.0583	UUBAR
	LOSS PARA	0.0204	0.0163	0.0157	0.0128	0.0283	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 100.73 EQUIVALENT ROTOR SPEED = 6093.94 CORRECTED WEIGHT FLOW = 269.22

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.550	0.520	0.530	0.630	1.750	BETA 1
STATION 2	BETA 2	32.300	30.570	32.500	40.750	44.600	BETA 2
	BETA(PR) 1	47.354	49.908	54.559	64.408	69.705	BETA(PR) 1
	BETA(PR) 2	30.270	39.163	46.181	51.187	54.786	BETA(PR) 2
	V 1	573.24	526.48	613.10	468.82	402.49	V 1
	V 2	684.21	653.74	624.54	617.00	633.33	V 2
	VZ 1	552.76	618.22	611.04	468.73	402.06	VZ 1
	VZ 2	564.02	557.84	525.73	467.42	450.58	VZ 2
	V-THETA 1	5.31	5.61	5.65	5.15	12.28	V-THETA 1
	V-THETA 2	356.56	329.51	334.93	402.75	444.33	V-THETA 2
	V(PR) 1	829.9	965.3	1054.9	1085.2	1159.2	V(PR) 1
	V(PR) 2	670.4	724.7	760.3	745.7	781.8	V(PR) 2
	VTHETA PR1	-600.1	-734.4	-858.5	-978.7	-1087.2	VTHETA PR1
	VTHETA PR2	-329.2	-454.4	-547.9	-591.1	-638.4	VTHETA PR2
	U 1	605.45	739.99	864.17	983.82	1099.49	U 1
	U 2	685.75	783.87	882.78	983.82	1082.74	U 2
	M 1	0.5276	0.5797	0.5665	0.4276	0.3653	M 1
	M 2	0.6127	0.5822	0.5513	0.5411	0.5504	M 2
	M(PR) 1	0.7638	0.8932	0.9748	0.9896	1.0522	M(PR) 1
	M(PR) 2	0.6003	0.6454	0.6712	0.6540	0.6795	M(PR) 2
	TURN(PR)	16.903	10.710	8.365	13.219	14.951	TURN(PR)
	UUBAR	0.0768	0.0989	0.1009	0.0834	0.1344	UUBAR
	LOSS PARA	0.0233	0.0291	0.0286	0.0229	0.0361	LOSS PARA
	DFAC	0.3508	0.3802	0.4087	0.4734	0.4978	DFAC
	EFFP	0.9295	0.8682	0.8616	1.0715	0.9966	EFFP
	EFF	0.9271	0.8637	0.8563	1.0754	0.9964	EFF
	INCID	-2.285	-3.465	-2.131	4.405	6.294	INCID
	DEVM	10.611	6.324	4.004	2.587	1.843	DEVM
	P 1	15.695	15.884	15.177	13.450	13.070	P 1
	P 2	19.902	20.091	19.798	19.525	19.813	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	557.980	560.400	566.500	572.900	584.400	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	32.300	30.570	32.500	40.750	44.600	BETA 2
STATION 2A	BETA 2A	4.800	3.720	2.250	3.430	7.050	BETA 2A
	V 2	684.21	653.74	624.54	617.00	633.33	V 2
	V 2A	649.53	623.48	592.01	566.10	594.18	V 2A
	VZ 2	564.02	557.84	525.73	467.42	450.58	VZ 2
	VZ 2A	644.46	621.15	591.30	565.08	589.56	VZ 2A
	V-THETA 2	356.56	329.51	334.93	402.75	444.33	V-THETA 2
	V-THETA 2A	54.12	40.39	23.23	33.87	72.91	V-THETA 2A
	M 2	0.6127	0.5822	0.5513	0.5411	0.5504	M 2
	M 2A	0.5795	0.5535	0.5211	0.4943	0.5149	M 2A
	TURN(PR)	26.628	26.554	30.182	37.320	37.506	TURN(PR)
	UUBAR	0.0362	0.0447	0.0389	0.0402	0.0322	UUBAR
	LOSS PARA	0.0142	0.0186	0.0175	0.0189	0.0156	LOSS PARA
	DFAC	0.2172	0.2259	0.2745	0.3644	0.3518	DFAC
	EFFP	0.6906	0.5694	0.6802	0.8373	0.9135	EFFP
	INCID	-9.492	-6.932	-2.269	6.750	8.554	INCID
	DEVM	13.479	11.214	9.749	11.430	15.948	DEVM
	P 2	19.902	20.091	19.798	19.525	19.813	P 2
	P 2A	19.740	19.907	19.654	19.384	19.694	P 2A
	T 2	557.980	560.400	566.500	572.900	584.400	T 2
	T 2A	557.950	560.400	566.400	572.500	583.700	T 2A
	P21	20.033	20.102	19.786	19.475	19.889	P21
	UUBAR	0.0639	0.0473	0.0359	0.0264	0.0519	UUBAR
	LOSS PARA	0.0250	0.0196	0.0161	0.0124	0.0251	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.07 EQUIVALENT ROTOR SPEED = 4239.32 CORRECTED WEIGHT FLOW = 179.42

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.073	0.900	1.750	-0.424	-1.333	BETA 1
ROTOR -T.E.	BETA 2	35.500	33.033	35.712	37.989	48.578	BETA 2
	BETA(PR) 1	52.528	52.657	57.394	66.467	72.810	BETA(PR) 1
	BETA(PR) 2	29.758	39.524	45.892	50.591	56.073	BETA(PR) 2
	V 1	348.63	402.21	382.08	299.91	238.26	V 1
	V 2	463.04	443.24	432.44	434.17	435.33	V 2
	VZ 1	330.76	394.40	379.96	299.83	237.99	VZ 1
	VZ 2	367.78	368.13	350.40	342.17	287.84	VZ 2
	V-THETA 1	0.42	5.19	11.61	-2.22	-5.54	V-THETA 1
	V-THETA 2	262.34	239.36	251.90	267.23	326.23	V-THETA 2
	V(PR) 1	554.7	654.9	706.2	751.0	805.3	V(PR) 1
	V(PR) 2	435.7	481.1	504.2	539.0	515.9	V(PR) 2
	VTHETA PR1	-431.5	-516.9	-594.0	-688.5	-769.3	VTHETA PR1
	VTHETA PR2	-210.3	-303.7	-361.5	-416.4	-427.9	VTHETA PR2
	U 1	431.92	523.11	605.61	686.26	763.76	U 1
	U 2	472.61	543.09	613.38	683.67	754.14	U 2
	M 1	0.3154	0.3650	0.3463	0.2706	0.2144	M 1
	M 2	0.4134	0.3953	0.3844	0.3843	0.3834	M 2
	M(PR) 1	0.5018	0.5944	0.6401	0.6776	0.7247	M(PR) 1
	M(PR) 2	0.3890	0.4291	0.4482	0.4770	0.4544	M(PR) 2
	TURN(PR)	22.204	12.966	11.459	15.872	16.760	TURN(PR)
	UUBAR	0.0084	0.0421	0.0412	0.0401	0.2194	UUBAR
	LOSS PARA	0.0026	0.0123	0.0118	0.0112	0.0571	LOSS PARA
	DFAC	0.3884	0.4031	0.4265	0.4393	0.5501	DFAC
	EFFP	0.9602	0.9484	0.9753	1.0229	0.9181	EFFP
	EFF	0.9594	0.9474	0.9747	1.0235	0.9157	EFF
	INCID	2.463	-0.883	0.661	6.462	9.396	INCID
	DEVM	10.059	6.651	3.702	1.990	3.136	DEVM
	P 1	15.015	15.126	14.817	14.296	14.113	P 1
	P 2	17.186	17.237	17.247	17.289	17.279	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	539.970	539.525	542.300	546.990	552.425	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	33.885	32.014	34.819	37.012	47.533	BETA 2
STATOR-T.E.	BETA 2A	6.083	4.421	3.665	4.177	4.652	BETA 2A
	V 2	473.07	451.92	440.63	443.44	444.45	V 2
	V 2A	416.61	400.41	392.05	392.77	381.45	V 2A
	VZ 2	383.87	380.14	361.19	354.09	299.84	VZ 2
	VZ 2A	411.16	398.10	390.95	391.72	380.04	VZ 2A
	V-THETA 2	257.80	237.66	251.21	266.94	327.60	V-THETA 2
	V-THETA 2A	43.82	30.78	25.04	28.60	30.92	V-THETA 2A
	M 2	0.4227	0.4033	0.3919	0.3927	0.3916	M 2
	M 2A	0.3707	0.3551	0.3476	0.3468	0.3349	M 2A
	TURN(PR)	26.984	27.320	31.097	32.836	42.834	TURN(PR)
	UUBAR	0.0196	0.0432	0.0468	0.0447	0.0874	UUBAR
	LOSS PARA	0.0077	0.0179	0.0210	0.0210	0.0427	LOSS PARA
	DFAC	0.2919	0.3014	0.3397	0.3673	0.4695	DFAC
	EFFP	0.9178	0.8118	0.8028	0.8621	0.7302	EFFP
	INCID	-7.879	-5.471	0.059	3.012	11.485	INCID
	DEVM	14.738	11.909	11.162	12.176	13.550	DEVM
	P 2	17.186	17.237	17.247	17.289	17.279	P 2
	P 2A	17.147	17.158	17.166	17.211	17.127	P 2A
	T 2	539.970	539.525	542.300	546.990	552.425	T 2
	T 2A	539.975	539.525	542.240	546.750	552.160	T 2A
	P21	17.232	17.211	17.227	17.227	17.227	P21
	UUBAR	0.0414	0.0292	0.0350	0.0087	0.0588	UUBAR
	LOSS PARA	0.0162	0.0120	0.0157	0.0040	0.0287	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.08 EQUIVALENT ROTOR SPEED = 4239.56 CORRECTED WEIGHT FLOW = 185.25

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.312	0.789	2.743	0.274	-0.441	BETA 1
ROTOR -T.E.	BETA 2	34.683	30.904	32.726	37.123	43.553	BETA 2
	BETA(PR) 1	51.699	51.155	55.779	64.578	71.284	BETA(PR) 1
	BETA(PR) 2	29.398	39.677	46.068	51.146	55.372	BETA(PR) 2
	V 1	358.04	424.91	401.42	325.54	259.67	V 1
	V 2	469.49	447.60	434.82	429.13	434.13	V 2
	VZ 1	339.68	415.67	398.92	325.46	259.44	VZ 1
	VZ 2	376.48	380.30	365.00	342.15	314.40	VZ 2
	V-THETA 1	1.85	5.74	19.11	1.56	-2.00	V-THETA 1
	V-THETA 2	260.52	227.64	234.55	258.98	298.91	V-THETA 2
	V(PR) 1	559.6	669.5	710.5	758.2	808.6	V(PR) 1
	V(PR) 2	444.5	498.0	526.9	545.4	553.5	V(PR) 2
	VTHETA PR1	-430.1	-517.4	-586.5	-684.7	-765.8	VTHETA PR1
	VTHETA PR2	-212.1	-315.5	-378.9	-424.7	-455.3	VTHETA PR2
	U 1	431.94	523.14	605.64	686.30	763.81	U 1
	U 2	472.64	543.12	613.41	683.71	754.19	U 2
	M 1	0.3241	0.3862	0.3643	0.2941	0.2339	M 1
	M 2	0.4208	0.4008	0.3884	0.3811	0.3835	M 2
	M(PR) 1	0.5065	0.5086	0.6448	0.6850	0.7283	M(PR) 1
	M(PR) 2	0.3984	0.4459	0.4706	0.4843	0.4890	M(PR) 2
	TURN(PR)	21.718	11.305	9.665	13.428	15.934	TURN(PR)
	UUBAR	0.0255	0.0342	0.0007	0.0297	0.1378	UUBAR
	LOSS PARA	0.0078	0.0100	0.0002	0.0082	0.0365	LOSS PARA
	DFAC	0.3759	0.3842	0.3837	0.4292	0.4878	DFAC
	EFFP	1.1202	1.1036	1.1704	1.1398	1.0257	EFFP
	EFF	1.1224	1.1055	1.1740	1.1435	1.0264	EFF
	INCID	1.624	-2.391	-0.957	4.573	7.869	INCID
	DEVM	9.706	6.803	3.878	2.545	2.435	DEVM
	P 1	15.011	15.181	14.876	14.281	14.011	P 1
	P 2	17.109	17.207	17.199	17.162	17.166	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	536.300	535.800	537.400	543.150	548.890	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	33.106	29.959	31.923	36.178	42.675	BETA 2
STATOR-T.E.	BETA 2A	5.731	4.293	3.273	3.690	4.756	BETA 2A
	V 2	479.74	456.41	443.09	438.25	443.23	V 2
	V 2A	432.65	418.26	405.57	400.00	395.22	V 2A
	VZ 2	392.64	392.14	375.47	353.75	325.56	VZ 2
	VZ 2A	427.26	415.92	404.60	399.16	393.70	VZ 2A
	V-THETA 2	256.02	226.03	233.92	258.70	300.16	V-THETA 2
	V-THETA 2A	42.88	31.22	23.14	25.74	32.75	V-THETA 2A
	M 2	0.4304	0.4089	0.3960	0.3894	0.3918	M 2
	M 2A	0.3869	0.3737	0.3616	0.3546	0.3484	M 2A
	TURN(PR)	26.565	25.404	28.595	32.489	37.873	TURN(PR)
	UUBAR	0.0119	0.0485	0.0599	0.0433	0.0661	UUBAR
	LOSS PARA	0.0046	0.0201	0.0269	0.0204	0.0323	LOSS PARA
	DFAC	0.2677	0.2583	0.2973	0.3375	0.4046	DFAC
	EFFP	1.0155	0.7149	0.6682	0.8316	0.7603	EFFP
	INCID	-8.647	-7.515	-2.835	2.178	6.627	INCID
	DEVM	14.388	11.781	10.770	11.690	13.654	DEVM
	P 2	17.109	17.207	17.199	17.162	17.166	P 2
	P 2A	17.085	17.117	17.093	17.088	17.052	P 2A
	T 2	536.300	535.800	537.400	543.150	548.890	T 2
	T 2A	536.030	535.810	537.340	542.900	548.600	T 2A
	P21	17.197	17.170	17.123	17.096	17.107	P21
	UUBAR	0.0510	0.0276	0.0156	0.0032	0.0311	UUBAR
	LOSS PARA	0.0197	0.0114	0.0070	0.0015	0.0151	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.54 EQUIVALENT ROTOR SPEED = 4267.67 CORRECTED WEIGHT FLOW = 196.14

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.350	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.712	0.913	1.297	0.592	-0.698	BETA 1
ROTOR -T.E.	BETA 2	32.314	28.648	29.478	36.077	41.914	BETA 2
	BETA(PR) 1	49.971	50.437	55.675	65.577	70.428	BETA(PR) 1
	BETA(PR) 2	29.041	39.026	46.521	51.057	55.606	BETA(PR) 2
	V 1	381.01	437.93	412.14	312.34	274.80	V 1
	V 2	486.70	463.89	438.92	433.14	432.90	V 2
	VZ 1	361.45	429.42	409.93	312.25	274.55	VZ 1
	VZ 2	400.56	402.94	381.20	350.07	321.90	VZ 2
	V-THETA 1	4.49	6.85	9.28	3.23	-3.34	V-THETA 1
	V-THETA 2	253.36	220.12	215.48	255.06	288.97	V-THETA 2
	V(PR) 1	574.7	679.6	728.2	755.2	819.6	V(PR) 1
	V(PR) 2	471.3	522.9	554.8	557.0	570.1	V(PR) 2
	VTHETA PR1	-430.3	-519.8	-600.4	-687.6	-772.2	VTHETA PR1
	VTHETA PR2	-222.4	-326.6	-402.0	-433.2	-470.2	VTHETA PR2
	U 1	434.81	526.61	609.66	690.85	768.87	U 1
	U 2	475.77	546.72	617.48	688.24	759.19	U 2
	M 1	0.3453	0.3985	0.3743	0.2820	0.2477	M 1
	M 2	0.4360	0.4152	0.3915	0.3842	0.3801	M 2
	M(PR) 1	0.5209	0.6184	0.6613	0.6819	0.7387	M(PR) 1
	M(PR) 2	0.4223	0.4680	0.4949	0.4940	0.5005	M(PR) 2
	TURN(PR)	20.323	11.234	9.107	14.516	14.844	TURN(PR)
	UUBAR	0.0030	0.0223	-0.0070	-0.0044	0.1352	UUBAR
	LOSS PARA	0.0009	0.0066	-0.0020	-0.0012	0.0356	LOSS PARA
	DFAC	0.3394	0.3519	0.3550	0.4085	0.4696	DFAC
	EFFP	1.0057	0.9935	1.0503	1.1179	0.8260	EFFP
	EFF	1.0058	0.9934	1.0513	1.1211	0.8210	EFF
	INCID	-0.121	-3.112	-1.061	5.572	7.013	INCID
	DEVM	9.357	6.154	4.332	2.456	2.669	DEVM
	P 1	15.057	15.232	14.882	14.127	14.006	P 1
	P 2	17.152	17.237	17.152	17.088	17.082	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	538.250	537.480	539.120	544.550	555.570	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	30.852	27.773	28.768	35.165	41.088	BETA 2
STATOR-T.E.	BETA 2A	5.201	4.312	2.922	3.624	4.920	BETA 2A
	V 2	497.47	473.15	447.30	442.39	441.95	V 2
	V 2A	460.62	444.97	422.84	411.64	407.04	V 2A
	VZ 2	416.80	415.02	391.41	361.65	332.77	VZ 2
	VZ 2A	455.28	442.47	421.97	410.81	405.38	VZ 2A
	V-THETA 2	248.97	218.56	214.90	254.78	290.18	V-THETA 2
	V-THETA 2A	41.44	33.36	21.54	26.02	34.89	V-THETA 2A
	M 2	0.4461	0.4238	0.3992	0.3927	0.3882	M 2
	M 2A	0.4118	0.3977	0.3768	0.3647	0.3585	M 2A
	TURN(PR)	24.870	23.212	25.795	31.541	36.122	TURN(PR)
	UUBAR	0.0349	0.0573	0.0661	0.0672	0.0737	UUBAR
	LOSS PARA	0.0137	0.0238	0.0297	0.0316	0.0360	LOSS PARA
	DFAC	0.2332	0.2197	0.2479	0.3129	0.3627	DFAC
	EFFP	0.7684	0.5419	0.4339	0.6005	-0.4239	EFFP
	INCID	-10.868	-9.688	-5.986	1.165	5.040	INCID
	DEVM	13.862	11.800	10.419	11.624	13.818	DEVM
	P 2	17.152	17.237	17.152	17.088	17.082	P 2
	P 2A	17.075	17.122	17.034	16.972	16.957	P 2A
	T 2	538.250	537.480	539.120	544.550	555.570	T 2
	T 2A	538.275	537.470	539.050	544.280	550.270	T 2A
	P21	17.173	17.199	17.088	17.066	17.024	P21
	UUBAR	0.0441	0.0394	0.0129	0.1959	0.0410	UUBAR
	LOSS PARA	0.0173	0.0163	0.0057	0.0921	0.0200	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.99 EQUIVALENT ROTOR SPEED = 5444.17 CORRECTED WEIGHT FLOW = 238.71

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.584	0.899	0.803	0.096	1.693	BETA 1
ROTOR -T.E.	BETA 2	34.420	32.265	30.943	39.724	39.965	BETA 2
	BETA(PR) 1	48.925	49.431	54.351	64.634	70.228	BETA(PR) 1
	BETA(PR) 2	29.701	38.314	45.774	49.771	54.083	BETA(PR) 2
	V 1	505.10	578.77	555.14	417.60	349.32	V 1
	V 2	600.96	585.80	565.81	567.07	570.00	V 2
	VZ 1	479.19	567.53	552.25	417.49	348.87	VZ 1
	VZ 2	483.36	490.65	484.17	436.14	436.51	VZ 2
	V-THETA 1	4.88	8.91	7.74	0.70	10.31	V-THETA 1
	V-THETA 2	331.21	309.75	290.27	362.40	365.83	V-THETA 2
	V(PR) 1	746.6	879.9	949.2	974.6	1031.4	V(PR) 1
	V(PR) 2	572.3	630.5	695.2	675.3	744.5	V(PR) 2
	VTHETA PR1	-549.8	-662.9	-770.0	-880.6	-970.5	VTHETA PR1
	VTHETA PR2	-275.7	-387.7	-497.4	-515.6	-602.7	VTHETA PR2
	U 1	554.67	671.78	777.73	881.30	980.83	U 1
	U 2	606.93	697.44	787.70	877.97	968.48	U 2
	M 1	0.4620	0.5330	0.5100	0.3794	0.3160	M 1
	M 2	0.5366	0.5225	0.5015	0.4986	0.4968	M 2
	M(PR) 1	0.6829	0.8103	0.8721	0.8855	0.9331	M(PR) 1
	M(PR) 2	0.5110	0.5623	0.6163	0.5938	0.6488	M(PR) 2
	TURN(PR)	18.623	10.934	8.528	14.859	16.167	TURN(PR)
	UUBAR	0.0457	0.0611	-0.0081	0.0264	0.0361	UUBAR
	LOSS PARA	0.0140	0.0182	-0.0023	0.0075	0.0099	LOSS PARA
	DFAC	0.3945	0.4156	0.3904	0.4695	0.4377	DFAC
	EFFP	0.9351	0.9567	0.9988	1.0956	0.9724	EFFP
	EFF	0.9332	0.9554	0.9988	1.1002	0.9710	EFF
	INCID	-1.173	-4.122	-2.388	4.629	6.812	INCID
	DEVM	10.004	5.444	3.585	1.170	1.145	DEVM
	P 1	15.401	15.611	14.984	13.697	13.497	P 1
	P 2	18.886	19.201	19.140	19.019	19.167	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	552.060	551.770	556.320	565.060	575.000	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	32.730	31.162	30.102	38.553	39.057	BETA 2
STATOR-T.E.	BETA 2A	5.582	4.501	2.649	4.106	6.099	BETA 2A
	V 2	616.24	599.21	578.14	580.85	583.62	V 2
	V 2A	539.53	532.75	517.31	504.57	510.65	V 2A
	VZ 2	506.40	508.59	499.33	454.25	452.73	VZ 2
	VZ 2A	532.95	529.62	516.37	503.26	507.55	VZ 2A
	V-THETA 2	325.48	307.55	289.48	362.01	367.36	V-THETA 2
	V-THETA 2A	52.08	41.69	23.89	36.13	54.23	V-THETA 2A
	M 2	0.5511	0.5351	0.5130	0.5114	0.5092	M 2
	M 2A	0.4791	0.4729	0.4567	0.4416	0.4431	M 2A
	TURN(PR)	26.343	26.393	27.399	34.446	32.913	TURN(PR)
	UUBAR	-0.0047	0.0326	0.0243	0.0186	0.0536	UUBAR
	LOSS PARA	-0.0019	0.0136	0.0110	0.0087	0.0261	LOSS PARA
	DFAC	0.2938	0.2925	0.3106	0.3954	0.3886	DFAC
	EFFP	1.0127	0.8637	0.9089	0.9881	0.8510	EFFP
	INCID	-9.018	-6.318	-4.653	4.552	3.009	INCID
	DEVM	14.240	11.989	10.147	12.106	14.996	DEVM
	P 2	18.886	19.201	19.140	19.019	19.167	P 2
	P 2A	18.902	19.090	19.063	18.961	19.000	P 2A
	T 2	552.060	551.770	556.320	565.060	575.000	T 2
	T 2A	552.100	551.750	556.200	564.650	574.530	T 2A
	P21	18.942	19.064	18.953	18.809	18.981	P21
	UUBAR	0.0108	0.0281	0.0302	0.0194	0.0478	UUBAR
	LOSS PARA	0.0043	0.0117	0.0136	0.0090	0.0232	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.96 EQUIVALENT ROTOR SPEED = 5442.73 CORRECTED WEIGHT FLOW = 242.38

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.954	0.813	0.268	-0.134	2.147	BETA 1
ROTOR -T.E.	BETA 2	34.525	30.386	32.117	39.477	45.194	BETA 2
	BETA(PR) 1	48.589	49.368	54.319	64.411	69.074	BETA(PR) 1
	BETA(PR) 2	29.386	39.935	45.331	49.899	54.959	BETA(PR) 2
	V 1	508.09	580.61	559.30	422.51	370.23	V 1
	V 2	603.73	585.50	568.45	555.43	565.15	V 2
	VZ 1	481.99	569.35	556.44	422.40	369.65	VZ 1
	VZ 2	485.01	500.08	480.38	436.44	397.99	VZ 2
	V-THETA 1	8.03	8.08	2.60	-0.99	13.86	V-THETA 1
	V-THETA 2	333.64	293.23	301.54	359.47	400.70	V-THETA 2
	V(PR) 1	744.2	881.7	955.7	978.0	1035.1	V(PR) 1
	V(PR) 2	572.5	648.1	694.4	677.6	693.5	V(PR) 2
	VTHETA PR1	-546.5	-663.5	-774.9	-882.1	-966.7	VTHETA PR1
	VTHETA PR2	-273.1	-404.0	-486.0	-518.3	-567.5	VTHETA PR2
	U 1	554.52	671.60	777.52	881.06	980.57	U 1
	U 2	606.77	697.25	787.50	877.74	968.22	U 2
	M 1	0.4649	0.5347	0.5141	0.3840	0.3353	M 1
	M 2	0.5398	0.5227	0.5045	0.4978	0.4932	M 2
	M(PR) 1	0.6827	0.8120	0.8784	0.8889	0.9375	M(PR) 1
	M(PR) 2	0.5119	0.5786	0.6074	0.5965	0.6052	M(PR) 2
	TURN(PR)	18.595	10.252	8.939	14.508	14.136	TURN(PR)
	UUBAR	0.0515	0.0445	0.0384	0.0316	0.1069	UUBAR
	LOSS PARA	0.0158	0.0131	0.0111	0.0089	0.0286	LOSS PARA
	DFAC	0.3936	0.3899	0.4130	0.4685	0.5030	DFAC
	EFFP	0.9588	0.9628	1.0045	1.1180	0.9990	EFFP
	EFF	0.9576	0.9596	1.0046	1.1236	0.9989	EFF
	INCID	-1.511	-4.185	-2.420	4.405	5.658	INCID
	DEVM	9.694	6.063	3.141	1.298	2.021	DEVM
	P 1	15.411	15.651	15.016	13.690	13.473	P 1
	P 2	18.865	19.138	19.078	18.943	19.083	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	550.910	550.670	555.260	563.580	573.000	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	32.824	29.358	31.238	38.318	44.111	BETA 2
STATOR-T.E.	BETA 2A	5.059	3.938	2.369	4.044	5.915	BETA 2A
	V 2	619.15	598.90	580.84	579.14	578.59	V 2
	V 2A	549.47	538.06	517.27	501.63	508.93	V 2A
	VZ 2	508.28	517.59	495.82	454.38	415.05	VZ 2
	VZ 2A	543.23	535.29	516.44	500.37	506.01	VZ 2A
	V-THETA 2	327.87	291.15	300.72	359.08	402.38	V-THETA 2
	V-THETA 2A	48.09	36.84	21.36	35.38	52.42	V-THETA 2A
	M 2	0.5544	0.5354	0.5161	0.5105	0.5055	M 2
	M 2A	0.4889	0.4784	0.4571	0.4395	0.4423	M 2A
	TURN(PR)	26.954	25.161	28.814	34.274	38.151	TURN(PR)
	UUBAR	0.0204	0.0417	0.0517	0.0625	0.0842	UUBAR
	LOSS PARA	0.0080	0.0173	0.0233	0.0294	0.0410	LOSS PARA
	DFAC	0.2852	0.2755	0.3245	0.3970	0.4175	DFAC
	EFFP	0.9141	0.8098	0.7791	0.8151	0.7175	EFFP
	INCID	-8.925	-8.113	-3.519	4.318	8.063	INCID
	DEVM	13.721	11.427	9.867	12.044	14.812	DEVM
	P 2	18.865	19.138	19.078	18.943	19.083	P 2
	P 2A	18.792	18.996	18.915	18.750	18.826	P 2A
	T 2	550.910	550.670	555.260	563.580	573.000	T 2
	T 2A	550.920	550.550	555.230	563.210	572.490	T 2A
	P21	19.010	19.132	19.022	18.877	18.949	P21
	UUBAR	0.0587	0.0401	0.0340	0.0416	0.0419	UUBAR
	LOSS PARA	0.0230	0.0166	0.0153	0.0195	0.0204	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.78 EQUIVALENT ROTOR SPEED = 5431.76 CORRECTED WEIGHT FLOW = 245.02

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.350	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.818	0.679	1.003	0.365	1.567	BETA 1
ROTOR -T.E.	BETA 2	32.406	29.664	30.893	38.184	43.009	BETA 2
	BETA(PR) 1	47.994	48.765	53.813	63.323	68.926	BETA(PR) 1
	BETA(PR) 2	29.838	38.644	45.010	50.029	55.250	BETA(PR) 2
	V 1	518.71	592.94	563.42	440.50	373.63	V 1
	V 2	609.49	590.83	574.19	563.01	556.95	V 2
	VZ 1	492.07	581.45	560.46	440.38	373.17	VZ 1
	VZ 2	501.14	508.26	491.60	442.53	406.97	VZ 2
	V-THETA 1	7.02	6.89	9.81	2.80	10.21	V-THETA 1
	V-THETA 2	318.10	289.48	294.13	348.04	379.62	V-THETA 2
	V(PR) 1	753.4	889.7	951.0	980.9	1037.9	V(PR) 1
	V(PR) 2	594.1	656.1	696.4	688.9	714.3	V(PR) 2
	VTHETA PR1	-546.4	-663.4	-766.1	-876.5	-968.4	VTHETA PR1
	VTHETA PR2	-287.4	-406.4	-491.8	-527.9	-586.6	VTHETA PR2
	U 1	553.41	670.25	775.95	879.29	978.59	U 1
	U 2	605.55	695.85	785.91	875.97	966.27	U 2
	M 1	0.4750	0.5468	0.5180	0.4009	0.3385	M 1
	M 2	0.5454	0.5278	0.5097	0.4961	0.4866	M 2
	M(PR) 1	0.6899	0.8204	0.8744	0.8927	0.9403	M(PR) 1
	M(PR) 2	0.5316	0.5860	0.6183	0.6070	0.6241	M(PR) 2
	TURN(PR)	17.553	9.938	8.753	13.290	13.696	TURN(PR)
	UUBAR	0.0438	0.0529	0.0294	0.0252	0.0890	UUBAR
	LOSS PARA	0.0134	0.0157	0.0085	0.0071	0.0236	LOSS PARA
	DFAC	0.3636	0.3854	0.3911	0.4518	0.4765	DFAC
	EFFP	0.9299	0.9357	0.9619	1.1056	1.0068	EFFP
	EFF	0.9279	0.9339	0.9606	1.1104	1.0071	EFF
	INCID	-2.109	-4.790	-2.926	3.317	5.509	INCID
	DEVM	10.138	5.773	2.821	1.428	2.313	DEVM
	P 1	15.458	15.673	15.003	13.697	13.423	P 1
	P 2	18.770	19.059	18.900	18.731	18.829	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	550.590	550.620	555.530	562.400	570.980	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	30.819	28.659	30.048	37.075	42.013	BETA 2
STATOR-T.E.	BETA 2A	4.969	4.108	2.412	4.066	5.927	BETA 2A
	V 2	625.20	604.46	586.80	576.69	570.11	V 2
	V 2A	568.98	556.57	532.20	513.62	519.75	V 2A
	VZ 2	523.99	525.88	507.09	460.11	423.19	VZ 2
	VZ 2A	562.58	553.59	531.33	512.32	516.76	VZ 2A
	V-THETA 2	312.60	287.42	293.34	347.66	381.21	V-THETA 2
	V-THETA 2A	48.91	39.76	22.38	36.42	53.64	V-THETA 2A
	M 2	0.5604	0.5407	0.5215	0.5088	0.4987	M 2
	M 2A	0.5072	0.4956	0.4708	0.4509	0.4529	M 2A
	TURN(PR)	25.068	24.296	27.583	33.009	36.040	TURN(PR)
	UUBAR	0.0217	0.0452	0.0482	0.0475	0.0714	UUBAR
	LOSS PARA	0.0085	0.0192	0.0217	0.0224	0.0348	LOSS PARA
	DFAC	0.2509	0.2469	0.2995	0.3634	0.3706	DFAC
	EFFP	0.8888	0.7332	0.7764	0.8445	0.6841	EFFP
	INCID	-10.900	-8.808	-4.707	3.075	5.964	INCID
	DEVM	13.632	11.596	9.910	12.066	14.824	DEVM
	P 2	18.770	19.059	18.900	18.731	18.829	P 2
	P 2A	18.692	18.900	18.746	18.587	18.618	P 2A
	T 2	550.590	550.620	555.530	562.400	570.980	T 2
	T 2A	550.590	550.600	555.390	562.030	570.500	T 2A
	P21	18.894	19.012	18.844	18.637	18.704	P21
	UUBAR	0.0528	0.0361	0.0295	0.0152	0.0286	UUBAR
	LOSS PARA	0.0206	0.0150	0.0132	0.0071	0.0139	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 79.64 EQUIVALENT ROTOR SPEED = 6028.52 CORRECTED WEIGHT FLOW = 261.21

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.350	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.690	0.577	0.600	1.314	3.034	BETA 1
ROTOR -T.E.	BETA 2	35.366	32.937	34.807	42.521	48.076	BETA 2
	BETA(PR) 1	48.453	49.710	54.078	64.183	69.291	BETA(PR) 1
	BETA(PR) 2	31.237	40.424	46.960	51.769	55.119	BETA(PR) 2
	V 1	567.70	636.71	622.42	467.18	403.44	V 1
	V 2	641.80	619.41	602.78	603.34	630.32	V 2
	VZ 1	538.56	624.38	619.22	466.94	402.53	VZ 1
	VZ 2	510.58	514.99	493.89	444.67	420.88	VZ 2
	V-THETA 1	6.49	7.38	6.48	10.71	21.34	V-THETA 1
	V-THETA 2	362.40	333.64	343.36	407.76	468.69	V-THETA 2
	V(PR) 1	831.6	973.5	1057.3	1072.2	1138.4	V(PR) 1
	V(PR) 2	613.6	681.7	724.7	718.6	736.3	V(PR) 2
	VTHETA PR1	-607.7	-736.5	-854.7	-965.2	-1064.8	VTHETA PR1
	VTHETA PR2	-309.7	-438.7	-528.9	-564.4	-603.7	VTHETA PR2
	U 1	614.21	743.89	861.21	975.89	1086.11	U 1
	U 2	672.08	772.30	872.25	972.21	1072.43	U 2
	M 1	0.5222	0.5898	0.5757	0.4260	0.3662	M 1
	M 2	0.5711	0.5491	0.5301	0.5265	0.5461	M 2
	M(PR) 1	0.7649	0.9019	0.9780	0.9777	1.0333	M(PR) 1
	M(PR) 2	0.5459	0.6044	0.6373	0.6270	0.6379	M(PR) 2
	TURN(PR)	16.640	9.110	7.068	12.410	14.194	TURN(PR)
	UUBAR	0.0401	0.0476	0.0435	0.0101	0.1101	UUBAR
	LOSS PARA	0.0121	0.0137	0.0122	0.0027	0.0293	LOSS PARA
	DFAC	0.4199	0.4292	0.4461	0.4919	0.5351	DFAC
	EFFP	0.9206	0.9121	0.9230	1.0839	1.0160	EFFP
	EFF	0.9178	0.9088	0.9197	1.0889	1.0170	EFF
	INCID	-1.648	-3.842	-2.661	4.178	5.875	INCID
	DEVM	11.512	7.548	4.771	3.168	2.181	DEVM
	P 1	15.616	15.807	15.107	13.453	13.168	P 1
	P 2	19.986	20.360	20.303	20.137	20.512	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.980	561.510	568.410	576.880	587.550	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	33.559	31.774	33.805	41.178	46.765	BETA 2
STATOR-T.E.	BETA 2A	5.728	3.910	2.518	3.988	7.212	BETA 2A
	V 2	659.20	634.18	616.43	618.65	646.53	V 2
	V 2A	584.10	567.47	557.80	544.61	555.26	V 2A
	VZ 2	536.84	534.81	511.42	465.64	442.52	VZ 2
	VZ 2A	576.84	564.57	556.85	543.28	550.65	VZ 2A
	V-THETA 2	356.13	331.27	342.43	407.32	470.65	V-THETA 2
	V-THETA 2A	57.86	38.59	24.48	37.87	69.68	V-THETA 2A
	M 2	0.5876	0.5630	0.5428	0.5406	0.5610	M 2
	M 2A	0.5168	0.5006	0.4886	0.4730	0.4779	M 2A
	TURN(PR)	27.015	27.591	31.230	37.190	39.507	TURN(PR)
	UUBAR	0.0027	0.0443	0.0164	0.0053	0.0769	UUBAR
	LOSS PARA	0.0011	0.0184	0.0074	0.0025	0.0374	LOSS PARA
	DFAC	0.2866	0.2942	0.3257	0.4008	0.4458	DFAC
	EFFP	0.9889	0.9042	0.9369	1.0412	0.7402	EFFP
	INCID	-8.200	-5.709	-0.955	7.178	10.716	INCID
	DEVM	14.385	11.399	10.016	11.988	16.109	DEVM
	P 2	19.986	20.360	20.303	20.137	20.512	P 2
	P 2A	19.975	20.186	20.243	20.117	20.209	P 2A
	T 2	559.980	561.510	568.410	576.880	587.550	T 2
	T 2A	559.980	561.510	568.300	576.430	587.550	T 2A
	P21	20.184	20.395	20.378	20.258	20.480	P21
	UUBAR	0.0483	0.0530	0.0363	0.0379	0.0698	UUBAR
	LOSS PARA	0.0196	0.0220	0.0163	0.0178	0.0339	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 99.62 EQUIVALENT ROTOR SPEED = 6027.29 CORRECTED WEIGHT FLOW = 261.38

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.729	0.648	0.409	0.537	3.256	BETA 1
ROTOR -T.E.	BETA 2	34.800	32.108	34.344	42.594	48.377	BETA 2
	BETA(PR) 1	48.446	49.339	54.110	63.614	69.154	BETA(PR) 1
	BETA(PR) 2	29.709	38.849	45.203	50.095	54.707	BETA(PR) 2
	V 1	567.38	645.18	623.05	481.93	405.72	V 1
	V 2	662.96	642.27	626.16	624.27	636.38	V 2
	VZ 1	538.26	632.68	619.85	481.79	404.72	VZ 1
	VZ 2	530.91	538.86	515.90	459.56	422.44	VZ 2
	V-THETA 1	6.85	7.16	4.43	4.51	23.02	V-THETA 1
	V-THETA 2	369.00	338.13	352.51	422.49	475.42	V-THETA 2
	V(PR) 1	831.0	979.2	1059.2	1084.2	1137.4	V(PR) 1
	V(PR) 2	628.6	697.5	733.3	716.4	731.5	V(PR) 2
	VTHETA PR1	-607.2	-736.6	-856.6	-971.2	-1062.9	VTHETA PR1
	VTHETA PR2	-302.9	-434.0	-519.6	-549.5	-596.8	VTHETA PR2
	U 1	614.08	743.74	861.03	975.69	1085.89	U 1
	U 2	671.94	772.14	872.07	972.01	1072.21	U 2
	M 1	0.5219	0.5982	0.5763	0.4400	0.3683	M 1
	M 2	0.5923	0.5716	0.5530	0.5472	0.5523	M 2
	M(PR) 1	0.7644	0.9079	0.9798	0.9898	1.0326	M(PR) 1
	M(PR) 2	0.5616	0.6208	0.6476	0.6279	0.6349	M(PR) 2
	TURN(PR)	18.133	10.309	8.857	13.515	14.468	TURN(PR)
	UUBAR	0.0584	0.0800	0.0760	0.0749	0.1366	UUBAR
	LOSS PARA	0.0178	0.0236	0.0220	0.0211	0.0368	LOSS PARA
	DFAC	0.4041	0.4182	0.4433	0.5080	0.5409	DFAC
	EFFP	0.9599	0.9121	0.9442	1.1037	1.0133	EFFP
	EFF	0.9585	0.9091	0.9419	1.1096	1.0142	EFF
	INCID	-1.655	-4.214	-2.629	3.609	5.738	INCID
	DEVM	10.012	5.978	3.014	1.494	1.770	DEVM
	P 1	15.598	15.887	15.089	13.506	13.152	P 1
	P 2	19.937	20.259	20.163	19.990	20.303	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	558.020	559.740	566.250	574.110	586.250	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	32.993	30.942	33.328	41.207	47.037	BETA 2
STATOR-T.E.	BETA 2A	5.530	3.838	2.361	3.780	7.480	BETA 2A
	V 2	681.59	658.31	640.85	640.63	652.90	V 2
	V 2A	586.59	573.92	555.31	538.89	556.00	V 2A
	VZ 2	558.52	560.02	534.61	481.97	444.62	VZ 2
	VZ 2A	579.49	571.03	554.42	537.71	551.05	VZ 2A
	V-THETA 2	362.61	335.72	351.55	422.03	477.41	V-THETA 2
	V-THETA 2A	56.10	38.31	22.86	35.53	72.35	V-THETA 2A
	M 2	0.6101	0.5869	0.5668	0.5624	0.5676	M 2
	M 2A	0.5201	0.5075	0.4873	0.4690	0.4793	M 2A
	TURN(PR)	26.653	26.835	30.910	37.426	39.512	TURN(PR)
	UUBAR	0.0245	0.0396	0.0370	0.0423	0.0717	UUBAR
	LOSS PARA	0.0096	0.0165	0.0167	0.0199	0.0348	LOSS PARA
	DFAC	0.3111	0.3133	0.3628	0.4428	0.4532	DFAC
	EFFP	0.9185	0.8559	0.8837	0.9028	0.8140	EFFP
	INCID	-8.758	-6.537	-1.431	7.207	10.988	INCID
	DEVM	14.188	11.327	9.860	11.780	16.377	DEVM
	P 2	19.937	20.259	20.163	19.990	20.303	P 2
	P 2A	19.829	20.092	20.016	19.827	20.017	P 2A
	T 2	558.020	559.740	566.250	574.110	586.250	T 2
	T 2A	558.020	559.740	566.100	573.750	585.680	T 2A
	P21	20.065	20.260	20.157	19.934	20.248	P21
	UUBAR	0.0506	0.0385	0.0342	0.0267	0.0573	UUBAR
	LOSS PARA	0.0198	0.0160	0.0154	0.0125	0.0278	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.73 EQUIVALENT ROTOR SPEED = 6093.94 CORRECTED WEIGHT FLOW = 269.22

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.534	0.496	0.504	0.604	1.690	BETA 1
ROTOR -T.E.	BETA 2	33.024	31.159	32.888	41.402	45.465	BETA 2
	BETA(PR) 1	47.979	49.458	53.580	63.570	68.994	BETA(PR) 1
	BETA(PR) 2	29.983	39.422	46.496	51.726	55.708	BETA(PR) 2
	V 1	584.78	651.06	641.44	487.93	417.39	V 1
	V 2	677.86	645.72	618.91	609.66	623.00	V 2
	VZ 1	554.78	638.47	638.15	487.79	416.85	VZ 1
	VZ 2	553.70	547.19	518.57	457.29	436.64	VZ 2
	V-THETA 1	5.17	5.52	5.61	5.14	12.30	V-THETA 1
	V-THETA 2	359.91	330.86	335.33	403.19	443.79	V-THETA 2
	V(PR) 1	849.1	990.5	1076.8	1095.9	1163.0	V(PR) 1
	V(PR) 2	657.3	714.0	754.4	738.3	775.3	V(PR) 2
	VTHETA PR1	-615.7	-746.4	-864.9	-981.3	-1085.6	VTHETA PR1
	VTHETA PR2	-319.5	-449.8	-546.4	-579.6	-640.3	VTHETA PR2
	U 1	620.87	751.96	870.55	986.48	1097.89	U 1
	U 2	679.37	780.68	881.72	982.76	1084.07	U 2
	M 1	0.5388	0.6041	0.5945	0.4457	0.3792	M 1
	M 2	0.6066	0.5745	0.5461	0.5343	0.5409	M 2
	M(PR) 1	0.7824	0.9190	0.9981	1.0010	1.0566	M(PR) 1
	M(PR) 2	0.5882	0.6353	0.6656	0.6470	0.6732	M(PR) 2
	TURN(PR)	17.396	9.856	7.034	11.839	13.307	TURN(PR)
	UUBAR	0.0730	0.0939	0.0972	0.0819	0.1340	UUBAR
	LOSS PARA	0.0222	0.0275	0.0274	0.0222	0.0352	LOSS PARA
	DFAC	0.3798	0.4060	0.4258	0.4853	0.5051	DFAC
	EFFP	0.9295	0.8682	0.8616	1.0715	0.9966	EFFP
	EFF	0.9271	0.8637	0.8563	1.0754	0.9964	EFF
	INCID	-2.124	-4.095	-3.160	3.564	5.577	INCID
	DEVM	10.281	6.549	4.307	3.125	2.771	DEVM
	P 1	15.695	15.884	15.177	13.450	13.070	P 1
	P 2	19.902	20.091	19.798	19.525	19.813	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	557.980	560.400	566.500	572.900	584.400	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	31.298	30.029	31.934	40.096	44.278	BETA 2
STATOR-T.E.	BETA 2A	5.057	3.896	2.343	3.534	7.229	BETA 2A
	V 2	697.46	661.93	633.27	625.32	638.89	V 2
	V 2A	625.86	601.97	571.34	548.14	575.81	V 2A
	VZ 2	581.76	568.32	536.56	478.35	457.02	VZ 2
	VZ 2A	618.75	598.90	570.44	547.08	571.00	VZ 2A
	V-THETA 2	353.68	328.51	334.42	402.75	445.65	V-THETA 2
	V-THETA 2A	54.75	40.78	23.34	33.79	72.42	V-THETA 2A
	M 2	0.6255	0.5900	0.5595	0.5488	0.5555	M 2
	M 2A	0.5571	0.5333	0.5019	0.4779	0.4981	M 2A
	TURN(PR)	25.452	25.870	29.536	36.562	37.003	TURN(PR)
	UUBAR	0.0349	0.0437	0.0380	0.0392	0.0316	UUBAR
	LOSS PARA	0.0137	0.0181	0.0171	0.0184	0.0154	LOSS PARA
	DFAC	0.2663	0.2686	0.3175	0.4012	0.3857	DFAC
	EFFP	0.8494	0.7802	0.8327	0.8948	0.9497	EFFP
	INCID	-10.429	-7.445	-2.823	6.096	8.229	INCID
	DEVM	13.719	11.385	9.841	11.534	16.126	DEVM
	P 2	19.902	20.091	19.798	19.525	19.813	P 2
	P 2A	19.740	19.907	19.654	19.384	19.694	P 2A
	T 2	557.980	560.400	566.500	572.900	584.400	T 2
	T 2A	557.950	560.400	566.400	572.500	583.700	T 2A
	P21	20.033	20.102	19.786	19.475	19.889	P21
	UUBAR	0.0618	0.0462	0.0350	0.0258	0.0511	UUBAR
	LOSS PARA	0.0242	0.0191	0.0157	0.0121	0.0249	LOSS PARA

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (10°) - Station 2 (11°) - Station 2A (24°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-6.851	-4.812	-4.705	-2.563	-0.897	BETA 1
STATION 2	BETA 2	67.798	55.989	51.454	44.100	39.801	BETA 2
	BETA(PR) 1	70.404	66.862	67.857	68.109	70.133	BETA(PR) 1
	BETA(PR) 2	42.927	43.629	47.357	50.591	52.199	BETA(PR) 2
	V 1	211.80	300.51	330.02	363.12	360.26	V 1
	V 2	486.20	520.48	545.82	564.65	598.87	V 2
	VZ 1	202.38	295.54	327.83	362.71	360.00	VZ 1
	VZ 2	182.78	290.03	339.77	405.49	459.66	VZ 2
	V-THETA 1	-24.38	-24.88	-26.98	-16.24	-5.64	V-THETA 1
	V-THETA 2	447.85	429.80	426.45	392.94	382.99	V-THETA 2
	V(PR) 1	607.5	753.7	870.2	972.8	1059.4	V(PR) 1
	V(PR) 2	254.4	403.2	502.2	638.7	750.4	V(PR) 2
	VTHETA PR1	-569.9	-691.6	-805.6	-902.7	-996.3	VTHETA PR1
	VTHETA PR2	-170.0	-276.5	-368.9	-493.5	-592.6	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.1904	0.2712	0.2982	0.3288	0.3261	M 1
	M 2	0.4274	0.4590	0.4782	0.4918	0.5198	M 2
	M(PR) 1	0.5461	0.6800	0.7863	0.8808	0.9590	M(PR) 1
	M(PR) 2	0.2237	0.3556	0.4400	0.5564	0.6513	M(PR) 2
	TURN(PR)	27.801	23.303	20.509	17.515	17.968	TURN(PR)
	P 1	13.176	13.331	13.317	13.325	13.391	P 1
	P 2	17.579	18.059	18.429	18.843	19.450	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	558.171	557.707	567.028	575.053	582.300	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	67.798	55.989	51.454	44.100	39.801	BETA 2
STATION 2A	BETA 2A	-34.913	8.606	-8.801	-2.985	8.936	BETA 2A
	V 2	486.20	520.48	545.82	564.65	598.87	V 2
	V 2A	149.75	316.02	424.38	504.42	560.87	V 2A
	VZ 2	182.78	290.03	339.77	405.49	459.66	VZ 2
	VZ 2A	122.44	311.96	419.21	503.73	553.94	VZ 2A
	V-THETA 2	447.85	429.80	426.45	392.94	382.99	V-THETA 2
	V-THETA 2A	-85.46	47.21	-64.90	-26.27	87.10	V-THETA 2A
	M 2	0.4274	0.4590	0.4782	0.4918	0.5198	M 2
	M 2A	0.1291	0.2742	0.3679	0.4370	0.4851	M 2A
	TURN(PR)	101.889	47.075	60.177	47.085	30.822	TURN(PR)
	P 2	17.579	18.059	18.429	18.843	19.450	P 2
	P 2A	16.149	16.863	17.712	18.435	19.057	P 2A
	T 2	558.171	557.707	567.028	575.053	582.300	T 2
	T 2A	561.917	561.310	568.701	575.573	582.621	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (40°) - Station 2 (41°) - Station 2A (54°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-24.449	-20.734	-18.848	-12.970	-8.160	BETA 1
STATION 2	BETA 2	70.358	60.685	67.980	51.938	42.141	BETA 2
	BETA(PR) 1	71.105	73.360	76.406	72.436	72.235	BETA(PR) 1
	BETA(PR) 2	31.713	50.160	61.241	50.647	53.472	BETA(PR) 2
	V 1	250.39	243.05	217.50	310.60	336.29	V 1
	V 2	539.68	435.58	494.16	575.92	583.98	V 2
	VZ 1	221.14	224.69	205.23	302.64	332.69	VZ 1
	VZ 2	180.68	237.05	185.21	355.06	432.64	VZ 2
	V-THETA 1	-100.54	-85.05	-70.06	-69.70	-47.70	V-THETA 1
	V-THETA 2	506.22	422.16	457.94	453.44	391.48	V-THETA 2
	V(PR) 1	685.5	785.5	873.3	1002.9	1090.4	V(PR) 1
	V(PR) 2	217.8	371.9	385.2	560.0	727.3	V(PR) 2
	VTHETA PR1	-646.1	-751.8	-848.7	-956.1	-1038.4	VTHETA PR1
	VTHETA PR2	-111.6	-284.1	-337.5	-433.0	-584.1	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.2254	0.2187	0.1956	0.2804	0.3040	M 1
	M 2	0.4729	0.4234	0.4288	0.5000	0.5041	M 2
	M(PR) 1	0.6172	0.7070	0.7852	0.9054	0.9857	M(PR) 1
	M(PR) 2	0.1909	0.3243	0.3342	0.4861	0.6278	M(PR) 2
	TURN(PR)	39.628	23.332	15.186	21.787	18.797	TURN(PR)
	P 1	13.315	13.237	13.147	13.304	13.497	P 1
	P 2	17.903	17.371	17.458	18.610	18.844	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.299	566.999	573.028	579.864	586.852	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	70.358	60.685	67.980	51.938	42.141	BETA 2
STATION 2A	BETA 2A	-10.990	9.473	-16.928	-5.884	12.250	BETA 2A
	V 2	539.68	485.58	494.16	575.92	583.98	V 2
	V 2A	209.49	327.74	364.20	454.93	529.95	V 2A
	VZ 2	180.68	237.05	185.21	355.06	432.64	VZ 2
	VZ 2A	204.79	322.76	348.28	452.53	517.77	VZ 2A
	V-THETA 2	506.22	422.16	457.94	453.44	391.48	V-THETA 2
	V-THETA 2A	-39.77	53.86	-106.00	-46.64	112.42	V-THETA 2A
	M 2	0.4729	0.4234	0.4288	0.5000	0.5041	M 2
	M 2A	0.1800	0.2824	0.3125	0.3901	0.4527	M 2A
	TURN(PR)	80.662	50.931	84.848	57.822	29.848	TURN(PR)
	P 2	17.903	17.371	17.458	18.610	18.844	P 2
	P 2A	16.280	16.872	17.166	17.780	18.481	P 2A
	T 2	566.299	566.999	573.028	579.864	586.852	T 2
	T 2A	567.205	569.534	576.152	583.311	593.695	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (70°) - Station 2 (71°) - Station 2A (84°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-34.624	-33.098	-37.984	-40.807	-36.945	BETA 1
STATION 2	BETA 2	48.411	56.668	69.778	62.033	55.884	BETA 2
	BETA(PR) 1	71.091	76.098	80.847	82.929	82.851	BETA(PR) 1
	BETA(PR) 2	31.873	31.033	58.274	52.650	53.933	BETA(PR) 2
	V 1	304.93	237.08	182.44	162.71	171.71	V 1
	V 2	540.72	607.90	531.33	591.86	610.80	V 2
	VZ 1	244.76	196.77	143.50	123.15	137.18	VZ 1
	VZ 2	353.36	332.81	183.60	277.56	342.40	VZ 2
	V-THETA 1	-169.00	-128.26	-112.05	-106.33	-103.17	V-THETA 1
	V-THETA 2	398.15	506.04	498.42	522.74	505.42	V-THETA 2
	V(PR) 1	758.3	819.6	902.2	1000.4	1102.4	V(PR) 1
	V(PR) 2	426.8	391.9	349.4	457.5	581.9	V(PR) 2
	VTHETA PR1	-714.5	-795.0	-890.7	-992.8	-1093.8	VTHETA PR1
	VTHETA PR2	-219.7	-200.2	-297.0	-363.7	-470.1	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.2752	0.2133	0.1639	0.1461	0.1542	M 1
	M 2	0.4714	0.5322	0.4588	0.5102	0.5206	M 2
	M(PR) 1	0.6843	0.7375	0.8103	0.8980	0.9898	M(PR) 1
	M(PR) 2	0.3720	0.3431	0.3017	0.3943	0.4960	M(PR) 2
	TURN(PR)	39.456	45.192	22.612	30.278	28.958	TURN(PR)
	P 1	13.676	13.519	13.517	13.454	13.485	P 1
	P 2	17.822	18.391	17.681	18.578	18.921	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	571.946	573.722	581.755	589.340	603.901	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.411	56.668	69.778	62.033	55.884	BETA 2
STATION 2A	BETA 2A	8.245	7.826	-17.904	-5.973	11.966	BETA 2A
	V 2	540.72	607.90	531.33	591.86	610.80	V 2
	V 2A	488.61	365.92	333.05	447.51	518.45	V 2A
	VZ 2	353.36	332.81	183.60	277.56	342.40	VZ 2
	VZ 2A	481.51	361.93	316.80	445.07	507.07	VZ 2A
	V-THETA 2	398.15	506.04	498.42	522.74	505.42	V-THETA 2
	V-THETA 2A	69.77	49.75	-102.35	-46.57	107.47	V-THETA 2A
	M 2	0.4714	0.5322	0.4588	0.5102	0.5206	M 2
	M 2A	0.4228	0.3143	0.2833	0.3798	0.4361	M 2A
	TURN(PR)	39.211	48.536	87.625	68.006	43.878	TURN(PR)
	P 2	17.822	18.391	17.681	18.578	18.921	P 2
	P 2A	17.901	17.089	16.901	17.579	18.132	P 2A
	T 2	571.946	573.722	581.755	589.340	603.901	T 2
	T 2A	575.706	575.294	584.592	594.337	610.539	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (100°) - Station 2 (101°) - Station 2A (114°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-20.029	-9.409	-7.509	-6.607	-10.058	BETA 1
STATION 2	BETA 2	41.054	51.731	64.310	52.258	55.540	BETA 2
	BETA(PR) 1	65.295	64.245	68.193	70.263	74.464	BETA(PR) 1
	BETA(PR) 2	22.123	38.264	49.800	46.773	51.366	BETA(PR) 2
	V 1	331.46	358.99	332.81	334.09	294.37	V 1
	V 2	654.38	557.13	562.75	614.73	636.92	V 2
	VZ 1	301.54	349.63	328.88	331.83	289.68	VZ 1
	VZ 2	483.66	343.46	243.83	376.28	360.20	VZ 2
	V-THETA 1	-109.93	-57.94	-43.35	-38.44	-51.38	V-THETA 1
	V-THETA 2	421.24	435.37	506.86	486.11	524.88	V-THETA 2
	V(PR) 1	726.2	806.6	885.7	982.6	1081.6	V(PR) 1
	V(PR) 2	538.0	440.7	378.2	549.4	577.3	V(PR) 2
	VTHETA PR1	-655.4	-724.7	-822.0	-924.9	-1042.0	VTHETA PR1
	VTHETA PR2	-196.6	-270.9	-288.5	-400.3	-450.7	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.2996	0.3249	0.3008	0.3020	0.2655	M 1
	M 2	0.5738	0.4844	0.4860	0.5298	0.5435	M 2
	M(PR) 1	0.6563	0.7301	0.8005	0.8882	0.9756	M(PR) 1
	M(PR) 2	0.4717	0.3832	0.3266	0.4735	0.4926	M(PR) 2
	TURN(PR)	43.057	26.018	18.403	23.487	23.134	TURN(PR)
	P 1	14.215	14.448	14.448	14.470	14.342	P 1
	P 2	19.133	17.640	17.716	18.468	18.694	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	577.008	576.353	584.319	591.869	605.398	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	41.054	51.731	64.310	52.258	55.540	BETA 2
STATION 2A	BETA 2A	4.666	0.859	-1.622	0.565	2.974	BETA 2A
	V 2	654.38	557.13	562.75	614.73	636.92	V 2
	V 2A	568.31	400.03	398.11	433.46	470.78	V 2A
	VZ 2	483.66	343.46	243.83	376.28	360.20	VZ 2
	VZ 2A	563.99	399.33	397.78	433.43	470.03	VZ 2A
	V-THETA 2	421.24	435.37	506.86	486.11	524.88	V-THETA 2
	V-THETA 2A	46.03	5.99	-11.26	4.27	24.42	V-THETA 2A
	M 2	0.5738	0.4844	0.4860	0.5298	0.5435	M 2
	M 2A	0.4958	0.3461	0.3417	0.3712	0.3998	M 2A
	TURN(PR)	35.425	50.536	65.871	51.693	52.524	TURN(PR)
	P 2	19.133	17.640	17.716	18.468	18.694	P 2
	P 2A	18.716	17.355	17.379	17.619	17.864	P 2A
	T 2	577.008	576.353	584.319	591.869	605.398	T 2
	T 2A	573.708	569.359	578.070	583.187	595.517	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (130°) - Station 2 (131°) - Station 2A (144°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-1.292	1.159	2.331	3.068	4.429	BETA 1
STATION 2	BETA 2	44.402	42.827	48.508	42.195	57.135	BETA 2
	BETA(PR) 1	60.003	61.477	64.692	67.290	72.195	BETA(PR) 1
	BETA(PR) 2	24.637	37.013	44.264	48.852	54.594	BETA(PR) 2
	V 1	330.95	363.26	362.73	363.40	311.56	V 1
	V 2	612.37	576.70	570.95	583.38	608.73	V 2
	VZ 1	319.07	358.42	361.23	362.84	310.44	VZ 1
	VZ 2	429.69	420.20	377.82	432.20	330.18	VZ 2
	V-THETA 1	-7.20	7.25	14.70	19.45	24.05	V-THETA 1
	V-THETA 2	420.81	389.48	427.16	391.83	511.06	V-THETA 2
	V(PR) 1	644.2	752.9	845.5	939.9	1015.3	V(PR) 1
	V(PR) 2	486.6	530.3	528.3	656.8	570.2	V(PR) 2
	VTHETA PR1	-552.7	-659.5	-763.9	-867.0	-966.6	VTHETA PR1
	VTHETA PR2	-197.1	-316.8	-368.2	-494.6	-464.5	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.2991	0.3289	0.3284	0.3290	0.2813	M 1
	M 2	0.5399	0.5097	0.5007	0.5111	0.5285	M 2
	M(PR) 1	0.5822	0.6816	0.7655	0.8509	0.9166	M(PR) 1
	M(PR) 2	0.4290	0.4687	0.4633	0.5754	0.4950	M(PR) 2
	TURN(PR)	35.203	24.477	20.431	18.436	17.634	TURN(PR)
	P 1	14.324	14.437	14.437	14.426	14.327	P 1
	P 2	18.437	18.086	17.961	18.244	18.321	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.573	560.529	568.203	570.654	582.993	T 2
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.402	42.827	48.508	42.195	57.135	BETA 2
STATION 2A	BETA 2A	9.508	5.139	6.363	6.120	4.600	BETA 2A
	V 2	612.37	576.70	570.95	583.38	608.73	V 2
	V 2A	536.19	443.37	441.06	457.69	473.02	V 2A
	VZ 2	429.69	420.20	377.82	432.20	330.18	VZ 2
	VZ 2A	526.59	440.87	438.16	455.08	471.38	VZ 2A
	V-THETA 2	420.81	389.48	427.16	391.83	511.06	V-THETA 2
	V-THETA 2A	88.20	39.65	48.86	48.79	37.93	V-THETA 2A
	M 2	0.5399	0.5097	0.5007	0.5111	0.5285	M 2
	M 2A	0.4716	0.3893	0.3857	0.3996	0.4095	M 2A
	TURN(PR)	33.940	37.352	42.072	36.075	52.494	TURN(PR)
	P 2	18.437	18.086	17.961	18.244	18.321	P 2
	P 2A	18.466	17.807	17.849	18.002	18.079	P 2A
	T 2	566.573	560.529	568.203	570.654	582.993	T 2
	T 2A	561.928	556.205	560.350	563.318	574.043	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (160°) - Station 2 (161°) - Station 2A (174°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.423	1.906	3.637	4.071	5.116	BETA 1
STATION 2	BETA 2	46.072	43.985	42.197	38.465	43.884	BETA 2
	BETA(PR) 1	58.829	59.481	62.057	64.550	69.522	BETA(PR) 1
	BETA(PR) 2	27.096	39.407	46.880	50.219	52.824	BETA(PR) 2
	V 1	337.24	390.81	401.67	409.12	359.62	V 1
	V 2	594.54	552.81	544.55	567.34	594.06	V 2
	VZ 1	325.11	385.47	399.54	408.04	357.98	VZ 1
	VZ 2	398.68	395.27	402.83	444.22	427.81	VZ 2
	V-THETA 1	8.08	12.83	25.40	29.04	32.05	V-THETA 1
	V-THETA 2	413.89	381.51	365.22	352.91	411.46	V-THETA 2
	V(PR) 1	634.4	761.7	853.3	949.6	1023.3	V(PR) 1
	V(PR) 2	460.4	515.3	590.1	694.3	708.4	V(PR) 2
	VTHETA PR1	-537.4	-653.9	-753.2	-857.4	-958.6	VTHETA PR1
	VTHETA PR2	-204.0	-324.8	-430.2	-533.5	-564.1	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3049	0.3544	0.3645	0.3715	0.3255	M 1
	M 2	0.5190	0.4910	0.4817	0.5011	0.5216	M 2
	M(PR) 1	0.5735	0.6908	0.7744	0.8622	0.9263	M(PR) 1
	M(PR) 2	0.4088	0.4577	0.5220	0.6132	0.6220	M(PR) 2
	TURN(PR)	31.602	20.080	15.175	14.329	16.732	TURN(PR)
	P 1	14.271	14.449	14.443	14.467	14.356	P 1
	P 2	18.072	17.955	18.083	18.445	18.550	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.381	553.067	556.487	560.276	569.194	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	46.072	43.985	42.197	38.465	43.884	BETA 2
STATION 2A	BETA 2A	5.426	2.692	2.404	2.073	3.614	BETA 2A
	V 2	584.54	552.81	544.55	567.34	594.06	V 2
	V 2A	502.42	450.90	464.81	494.07	519.19	V 2A
	VZ 2	398.68	395.27	402.83	444.22	427.81	VZ 2
	VZ 2A	498.01	449.67	464.20	493.74	518.04	VZ 2A
	V-THETA 2	413.89	381.51	365.22	352.91	411.46	V-THETA 2
	V-THETA 2A	47.30	21.14	19.49	17.87	32.72	V-THETA 2A
	M 2	0.5190	0.4910	0.4817	0.5011	0.5216	M 2
	M 2A	0.4431	0.3971	0.4086	0.4336	0.4531	M 2A
	TURN(PR)	39.674	40.952	39.718	36.392	40.225	TURN(PR)
	P 2	18.072	17.955	18.083	18.445	18.550	P 2
	P 2A	18.164	17.869	18.085	18.365	18.545	P 2A
	T 2	556.381	553.067	556.487	560.276	569.194	T 2
	T 2A	556.015	553.567	556.540	560.607	568.955	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (190°) - Station 2 (191°) - Station 2A (204°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	7.105	5.064	4.808	4.421	5.400	BETA 1
STATION 2	BETA 2	44.631	43.135	38.400	36.226	40.011	BETA 2
	BETA(PR) 1	56.164	57.799	60.722	63.262	66.926	BETA(PR) 1
	BETA(PR) 2	26.683	38.343	44.574	48.409	50.309	BETA(PR) 2
	V 1	352.50	404.52	419.75	431.16	407.72	V 1
	V 2	593.31	563.75	571.82	591.01	623.64	V 2
	VZ 1	337.49	397.69	416.89	429.82	405.67	VZ 1
	VZ 2	414.74	408.74	447.39	476.76	477.21	VZ 2
	V-THETA 1	42.07	35.24	35.07	33.23	38.35	V-THETA 1
	V-THETA 2	409.43	382.96	354.60	349.27	400.58	V-THETA 2
	V(PR) 1	613.1	749.1	853.1	955.4	1035.2	V(PR) 1
	V(PR) 2	477.3	525.1	628.9	718.2	747.7	V(PR) 2
	VTHETA PR1	-503.4	-631.5	-743.6	-853.2	-952.3	VTHETA PR1
	VTHETA PR2	-208.4	-323.3	-440.8	-537.2	-575.0	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3189	0.3672	0.3814	0.3921	0.3702	M 1
	M 2	0.5268	0.5005	0.5065	0.5227	0.5493	M 2
	M(PR) 1	0.5548	0.6800	0.7752	0.8688	0.9399	M(PR) 1
	M(PR) 2	0.4238	0.4662	0.5571	0.6353	0.6586	M(PR) 2
	TURN(PR)	29.301	19.450	16.143	14.850	16.651	TURN(PR)
	P 1	14.280	14.427	14.428	14.457	14.408	P 1
	P 2	18.028	18.031	18.369	18.756	19.101	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	557.135	554.396	557.650	561.077	568.778	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.631	43.135	38.400	36.226	40.011	BETA 2
STATION 2A	BETA 2A	9.038	4.879	5.295	4.590	6.131	BETA 2A
	V 2	593.31	563.75	571.82	591.01	623.64	V 2
	V 2A	499.61	466.20	487.41	518.98	562.19	V 2A
	VZ 2	414.74	408.74	447.39	476.76	477.21	VZ 2
	VZ 2A	491.32	463.76	485.13	517.31	558.85	VZ 2A
	V-THETA 2	409.43	382.96	354.60	349.27	400.58	V-THETA 2
	V-THETA 2A	78.15	39.59	44.96	41.53	60.03	V-THETA 2A
	M 2	0.5268	0.5005	0.5065	0.5227	0.5493	M 2
	M 2A	0.4403	0.4105	0.4285	0.4562	0.4927	M 2A
	TURN(PR)	34.636	37.919	33.033	31.636	33.836	TURN(PR)
	P 2	18.028	18.031	18.369	18.756	19.101	P 2
	P 2A	18.095	17.977	18.258	18.612	19.028	P 2A
	T 2	557.135	554.396	557.650	561.077	568.778	T 2
	T 2A	556.558	554.918	558.288	560.948	568.231	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (220°) - Station 2 (221°) - Station 2A (234°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	2.365	1.533	2.665	2.490	2.127	BETA 1
STATION 2	BETA 2	45.189	41.248	39.690	37.517	38.836	BETA 2
	BETA(PR) 1	57.592	57.431	60.023	62.562	66.109	BETA(PR) 1
	BETA(PR) 2	27.673	39.312	46.193	51.270	53.485	BETA(PR) 2
	V 1	350.22	424.45	439.30	450.56	432.26	V 1
	V 2	582.76	557.76	552.90	554.72	591.53	V 2
	VZ 1	337.45	418.73	437.38	450.08	431.70	VZ 1
	VZ 2	403.56	416.49	424.79	439.99	452.54	VZ 2
	V-THETA 1	13.94	11.21	20.36	19.57	16.03	V-THETA 1
	V-THETA 2	406.23	365.23	352.54	337.82	364.32	V-THETA 2
	V(PR) 1	536.4	780.9	876.1	976.8	1066.0	V(PR) 1
	V(PR) 2	468.4	542.2	614.4	703.3	761.0	V(PR) 2
	VTHETA PR1	-531.6	-655.5	-758.3	-866.9	-974.6	VTHETA PR1
	VTHETA PR2	-211.6	-341.0	-442.9	-548.6	-611.2	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3168	0.3858	0.3997	0.4103	0.3931	M 1
	M 2	0.5184	0.4955	0.4898	0.4897	0.5115	M 2
	M(PR) 1	0.5758	0.7098	0.7972	0.8895	0.9696	M(PR) 1
	M(PR) 2	0.4166	0.4817	0.5444	0.6208	0.6694	M(PR) 2
	TURN(PR)	29.780	18.113	13.824	11.288	12.655	TURN(PR)
	P 1	14.194	14.439	14.435	14.436	14.426	P 1
	P 2	18.045	18.113	18.327	18.587	19.039	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	554.251	553.185	555.675	559.623	566.017	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	45.189	41.248	39.690	37.517	38.836	BETA 2
STATION 2A	BETA 2A	5.084	2.864	2.396	1.424	4.759	BETA 2A
	V 2	582.76	557.76	552.90	554.72	581.53	V 2
	V 2A	498.00	469.25	491.78	516.58	567.00	V 2A
	VZ 2	403.56	416.49	424.79	439.99	452.54	VZ 2
	VZ 2A	493.90	467.90	491.13	516.42	564.92	VZ 2A
	V-THETA 2	406.23	365.23	352.54	337.82	364.32	V-THETA 2
	V-THETA 2A	43.94	23.41	20.55	12.84	47.03	V-THETA 2A
	M 2	0.5184	0.4955	0.4898	0.4897	0.5115	M 2
	M 2A	0.4393	0.4134	0.4330	0.4542	0.4978	M 2A
	TURN(PR)	39.131	38.046	37.220	36.093	34.033	TURN(PR)
	P 2	18.045	18.113	18.327	18.587	19.039	P 2
	P 2A	18.057	18.002	18.313	18.591	19.096	P 2A
	T 2	554.251	553.185	555.675	559.623	566.017	T 2
	T 2A	555.365	554.509	556.925	560.604	566.726	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (250°) - Station 2 (251°) - Station 2A (264°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	6.034	3.957	3.588	3.052	2.657	BETA 1
STATION 2	BETA 2	42.630	40.452	37.045	35.473	34.434	BETA 2
	BETA(PR) 1	56.085	57.118	59.759	62.626	66.198	BETA(PR) 1
	BETA(PR) 2	26.981	38.302	43.867	49.073	52.373	BETA(PR) 2
	V 1	356.95	419.06	440.23	447.33	428.93	V 1
	V 2	598.75	569.09	581.72	583.35	597.18	V 2
	VZ 1	342.44	412.59	437.91	446.64	428.21	VZ 1
	VZ 2	432.19	430.01	463.52	475.07	492.00	VZ 2
	V-THETA 1	36.20	28.54	27.46	23.81	19.87	V-THETA 1
	V-THETA 2	397.84	366.64	349.86	338.53	337.31	V-THETA 2
	V(PR) 1	620.9	762.9	870.2	971.4	1061.1	V(PR) 1
	V(PR) 2	498.6	552.1	643.8	725.2	806.3	V(PR) 2
	VTHETA PR1	-509.3	-638.2	-751.2	-862.6	-970.8	VTHETA PR1
	VTHETA PR2	-220.0	-339.6	-445.5	-547.9	-638.2	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3231	0.3808	0.4006	0.4073	0.3900	M 1
	M 2	0.5322	0.5051	0.5155	0.5156	0.5255	M 2
	M(PR) 1	0.5619	0.6932	0.7919	0.8845	0.9649	M(PR) 1
	M(PR) 2	0.4432	0.4900	0.5705	0.6410	0.7095	M(PR) 2
	TURN(PR)	28.930	18.806	15.885	13.551	13.857	TURN(PR)
	P 1	14.193	14.390	14.415	14.405	14.361	P 1
	P 2	18.138	18.140	18.557	18.848	19.248	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.696	555.229	558.172	560.961	567.198	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	42.630	40.452	37.045	35.473	34.434	BETA 2
STATION 2A	BETA 2A	8.229	5.585	5.000	4.082	6.258	BETA 2A
	V 2	598.75	569.09	581.72	583.35	597.18	V 2
	V 2A	510.10	477.16	498.59	525.41	575.34	V 2A
	VZ 2	432.19	430.01	463.52	475.07	492.00	VZ 2
	VZ 2A	502.70	474.12	496.48	524.07	571.78	VZ 2A
	V-THETA 2	397.84	366.64	349.86	338.53	337.31	V-THETA 2
	V-THETA 2A	72.70	46.36	43.44	37.40	62.70	V-THETA 2A
	M 2	0.5322	0.5051	0.5155	0.5156	0.5255	M 2
	M 2A	0.4505	0.4207	0.4390	0.4625	0.5055	M 2A
	TURN(PR)	33.446	34.535	31.973	31.391	28.135	TURN(PR)
	P 2	18.138	18.140	18.557	18.848	19.248	P 2
	P 2A	18.132	18.039	18.343	18.671	19.148	P 2A
	T 2	556.696	555.229	558.172	560.961	567.198	T 2
	T 2A	555.261	554.280	557.593	560.150	566.720	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (280°) - Station 2 (281°) - Station 2A (294°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	3.355	2.152	2.521	1.495	3.286	BETA 1
STATION 2	BETA 2	44.293	41.042	39.046	37.122	36.594	BETA 2
	BETA(PR) 1	56.842	57.128	59.480	62.082	65.082	BETA(PR) 1
	BETA(PR) 2	27.574	38.673	45.655	50.782	53.268	BETA(PR) 2
	V 1	356.53	426.56	449.32	463.50	449.27	V 1
	V 2	586.84	564.30	559.25	560.84	584.06	V 2
	VZ 1	343.25	420.66	447.40	463.28	448.26	VZ 1
	VZ 2	412.51	422.68	433.64	447.18	468.45	VZ 2
	V-THETA 1	20.12	15.81	19.70	12.09	25.74	V-THETA 1
	V-THETA 2	402.45	367.97	351.73	338.47	347.82	V-THETA 2
	V(PR) 1	634.6	778.1	881.7	989.5	1064.1	V(PR) 1
	V(PR) 2	476.3	545.4	621.2	707.3	783.7	V(PR) 2
	VTHETA PR1	-525.4	-650.9	-758.9	-874.3	-964.9	VTHETA PR1
	VTHETA PR2	-215.4	-338.3	-443.7	-548.0	-627.7	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3227	0.3878	0.4092	0.4225	0.4091	M 1
	M 2	0.5209	0.5003	0.4946	0.4944	0.5134	M 2
	M(PR) 1	0.5743	0.7074	0.8029	0.9020	0.9690	M(PR) 1
	M(PR) 2	0.4246	0.4835	0.5494	0.6235	0.6888	M(PR) 2
	TURN(PR)	29.117	18.446	13.819	11.297	11.845	TURN(PR)
	P 1	14.183	14.424	14.439	14.461	14.405	P 1
	P 2	18.018	18.164	18.380	18.648	19.077	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.810	556.070	558.074	561.718	567.121	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.293	41.042	39.046	37.122	36.594	BETA 2
STATION 2A	BETA 2A	5.902	2.873	2.521	1.467	4.429	BETA 2A
	V 2	586.84	564.30	559.25	560.84	584.06	V 2
	V 2A	491.07	468.88	488.22	505.61	558.08	V 2A
	VZ 2	412.51	422.68	433.64	447.18	468.45	VZ 2
	VZ 2A	486.37	467.53	487.54	505.44	556.28	VZ 2A
	V-THETA 2	402.45	367.97	351.73	338.47	347.82	V-THETA 2
	V-THETA 2A	50.28	23.46	21.47	12.94	43.09	V-THETA 2A
	M 2	0.5209	0.5003	0.4946	0.4944	0.5134	M 2
	M 2A	0.4323	0.4126	0.4293	0.4436	0.4891	M 2A
	TURN(PR)	37.422	37.831	36.451	35.655	32.122	TURN(PR)
	P 2	18.018	18.164	18.380	18.648	19.077	P 2
	P 2A	17.987	18.009	18.287	18.515	19.020	P 2A
	T 2	556.810	556.070	558.074	561.718	567.121	T 2
	T 2A	557.083	555.879	558.117	561.922	567.777	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (310°) - Station 2 (311°) - Station 2A (324°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	9.821	5.823	4.852	3.907	3.840	BETA 1
STATION 2	BETA 2	43.734	40.592	38.498	35.928	34.149	BETA 2
	BETA(PR) 1	55.211	56.383	59.255	62.068	65.573	BETA(PR) 1
	BETA(PR) 2	26.186	37.891	43.974	48.703	51.196	BETA(PR) 2
	V 1	355.68	422.77	443.92	454.67	437.88	V 1
	V 2	601.33	572.82	578.33	587.59	614.03	V 2
	VZ 1	338.30	415.12	440.87	453.56	436.63	VZ 1
	VZ 2	426.56	431.95	451.88	475.80	507.61	VZ 2
	V-THETA 1	58.56	42.33	37.42	30.98	29.31	V-THETA 1
	V-THETA 2	408.11	370.12	359.41	344.78	344.31	V-THETA 2
	V(PR) 1	600.2	752.9	863.2	968.3	1056.0	V(PR) 1
	V(PR) 2	488.9	551.5	628.8	721.0	810.5	V(PR) 2
	VTHETA PR1	-487.0	-624.4	-741.2	-855.5	-961.3	VTHETA PR1
	VTHETA PR2	-209.8	-336.2	-436.0	-541.7	-631.2	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3219	0.3842	0.4041	0.4142	0.3984	M 1
	M 2	0.5353	0.5092	0.5129	0.5198	0.5412	M 2
	M(PR) 1	0.5431	0.6843	0.7857	0.8821	0.9608	M(PR) 1
	M(PR) 2	0.4353	0.4902	0.5576	0.6378	0.7144	M(PR) 2
	TURN(PR)	28.824	18.477	15.274	13.361	14.409	TURN(PR)

P 1	14.206	14.395	14.402	14.411	14.400	P 1
P 2	18.023	18.091	18.396	18.754	19.259	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	555.241	553.985	557.007	560.555	567.162	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	43.734	40.592	38.498	35.928	34.149	BETA 2
STATION 2A	BETA 2A	10.670	5.715	5.248	4.385	6.605	BETA 2A
	V 2	601.33	572.82	578.33	587.59	614.03	V 2
	V 2A	453.32	449.35	461.20	500.88	534.62	V 2A
	VZ 2	426.56	431.95	451.88	475.80	507.61	VZ 2
	VZ 2A	443.61	446.39	459.07	499.41	530.95	VZ 2A
	V-THETA 2	408.11	370.12	359.41	344.78	344.31	V-THETA 2
	V-THETA 2A	83.58	44.67	42.17	38.30	61.48	V-THETA 2A
	M 2	0.5353	0.5092	0.5129	0.5198	0.5412	M 2
	M 2A	0.3990	0.3958	0.4054	0.4402	0.4684	M 2A
	TURN(PR)	32.116	34.545	33.178	31.543	27.503	TURN(PR)

P 2	18.023	18.091	18.396	18.754	19.259	P 2
P 2A	17.670	17.832	18.036	18.474	18.763	P 2A
T 2	555.241	553.985	557.007	560.555	567.162	T 2
T 2A	554.294	553.266	556.439	559.695	566.078	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (340°) - Station 2 (341°) - Station 2A (354°)

PERCENT EQUIVALENT DESIGN SPEED = 90.76 EQUIVALENT ROTOR SPEED = 5490.68 CORRECTED WEIGHT FLOW = 200.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	21.848	10.201	8.688	6.369	6.814	BETA 1
STATION 2	BETA 2	53.579	49.203	45.725	42.720	41.669	BETA 2
	BETA(PR) 1	53.451	58.867	59.993	60.826	63.481	BETA(PR) 1
	BETA(PR) 2	34.741	45.707	49.867	53.191	55.422	BETA(PR) 2
	V 1	346.59	373.84	419.35	468.80	470.10	V 1
	V 2	514.34	497.60	515.80	533.94	558.43	V 2
	VZ 1	311.73	363.25	413.20	465.85	466.51	VZ 1
	VZ 2	301.57	323.44	359.61	392.28	416.77	VZ 2
	V-THETA 1	124.99	65.36	63.14	52.00	55.74	V-THETA 1
	V-THETA 2	408.73	374.75	368.83	362.23	370.92	V-THETA 2
	V(PR) 1	530.4	705.1	826.9	955.7	1045.0	V(PR) 1
	V(PR) 2	375.8	465.9	558.5	654.7	734.7	V(PR) 2
	VTHETA PR1	-420.5	-601.4	-715.5	-834.4	-934.9	VTHETA PR1
	VTHETA PR2	-209.1	-331.5	-426.6	-524.2	-604.6	VTHETA PR2
	U 1	545.51	666.74	778.62	886.43	990.65	U 1
	U 2	617.87	706.27	795.39	886.43	975.55	U 2
	M 1	0.3135	0.3387	0.3810	0.4275	0.4288	M 1
	M 2	0.4561	0.4410	0.4569	0.4721	0.4921	M 2
	M(PR) 1	0.4798	0.6388	0.7514	0.8716	0.9531	M(PR) 1
	M(PR) 2	0.3332	0.4129	0.4948	0.5789	0.6474	M(PR) 2
	TURN(PR)	18.635	13.170	10.119	7.632	8.089	TURN(PR)
	P 1	13.848	13.784	13.909	14.167	14.311	P 1
	P 2	17.316	17.491	17.877	18.212	18.604	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	551.375	550.416	552.440	556.119	561.945	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	53.579	49.203	45.725	42.720	41.669	BETA 2
STATION 2A	BETA 2A	-51.772	6.257	2.816	1.531	4.137	BETA 2A
	V 2	514.34	497.60	515.80	533.94	558.43	V 2
	V 2A	277.38	348.89	429.35	461.23	549.24	V 2A
	VZ 2	301.57	323.44	359.61	392.28	416.77	VZ 2
	VZ 2A	171.35	346.25	428.64	461.06	547.68	VZ 2A
	V-THETA 2	408.73	374.75	368.83	362.23	370.92	V-THETA 2
	V-THETA 2A	-217.53	37.96	21.08	12.32	39.61	V-THETA 2A
	M 2	0.4561	0.4410	0.4569	0.4721	0.4921	M 2
	M 2A	0.2422	0.3055	0.3758	0.4022	0.4796	M 2A
	TURN(PR)	104.274	42.614	42.834	41.189	37.487	TURN(PR)
	P 2	17.316	17.491	17.877	18.212	18.604	P 2
	P 2A	16.603	17.148	17.841	18.170	19.045	P 2A
	T 2	551.375	550.416	552.440	556.119	561.945	T 2
	T 2A	552.412	552.839	558.637	565.069	570.925	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (10°) - Station 2 (11°) - Station 2A (24°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	-7.294	-5.839	-4.371	-2.241	-0.857	BETA 1
STATION 2	BETA 2	67.056	55.894	51.420	44.262	41.958	BETA 2
	BETA(PR) 1	68.435	66.710	66.985	67.264	70.067	BETA(PR) 1
	BETA(PR) 2	43.131	42.364	47.185	49.932	50.866	BETA(PR) 2
	V 1	264.61	340.99	383.59	421.53	403.12	V 1
	V 2	538.69	590.31	610.35	638.03	687.73	V 2
	VZ 1	253.25	334.81	381.22	421.16	402.83	VZ 1
	VZ 2	208.86	329.74	380.22	456.93	510.97	VZ 2
	V-THETA 1	-32.41	-34.24	-29.14	-16.48	-6.03	V-THETA 1
	V-THETA 2	493.38	486.91	476.64	445.31	459.40	V-THETA 2
	V(PR) 1	692.5	848.6	975.6	1089.7	1181.7	V(PR) 1
	V(PR) 2	291.6	449.2	560.1	709.9	810.1	V(PR) 2
	VTHETA PR1	-640.8	-777.8	-897.5	-1005.0	-1110.8	VTHETA PR1
	VTHETA PR2	-195.7	-300.7	-410.4	-543.2	-628.0	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.2384	0.3083	0.3477	0.3831	0.3659	M 1
	M 2	0.4711	0.5192	0.5323	0.5521	0.5924	M 2
	M(PR) 1	0.6238	0.7673	0.8844	0.9903	1.0725	M(PR) 1
	M(PR) 2	0.2550	0.3951	0.4885	0.6143	0.6978	M(PR) 2
	TURN(PR)	25.575	24.414	19.809	17.329	19.233	TURN(PR)

P 1	12.714	12.822	12.850	12.867	12.860	P 1
P 2	18.175	19.011	19.392	19.942	20.797	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	568.320	566.958	578.263	589.656	600.303	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	67.056	55.894	51.420	44.262	41.958	BETA 2
STATION 2A	BETA 2A	-27.512	6.313	-11.560	6.454	4.904	BETA 2A
	V 2	538.69	590.31	610.35	638.03	687.73	V 2
	V 2A	164.25	376.84	503.72	565.64	636.28	V 2A
	VZ 2	208.86	329.74	380.22	456.93	510.97	VZ 2
	VZ 2A	145.18	373.95	493.29	562.05	633.80	VZ 2A
	V-THETA 2	493.38	486.91	476.64	445.31	459.40	V-THETA 2
	V-THETA 2A	-75.61	41.37	-100.90	63.58	54.38	V-THETA 2A
	M 2	0.4711	0.5192	0.5323	0.5521	0.5924	M 2
	M 2A	0.1401	0.3245	0.4337	0.4857	0.5436	M 2A
	TURN(PR)	93.743	49.269	62.900	37.808	37.010	TURN(PR)

P 2	18.175	19.011	19.392	19.942	20.797	P 2
P 2A	16.373	17.289	18.443	19.276	20.218	P 2A
T 2	568.320	566.958	578.263	589.656	600.303	T 2
T 2A	574.301	573.222	582.564	591.168	603.884	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (40°) - Station 2 (41°) - Station 2A (54°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	-27.354	-23.918	-22.019	-13.801	-9.899	BETA 1
STATION 2	BETA 2	69.397	64.514	72.517	47.436	42.285	BETA 2
	BETA(PR) 1	71.369	72.599	75.735	72.212	73.114	BETA(PR) 1
	BETA(PR) 2	35.113	57.027	66.251	49.421	51.186	BETA(PR) 2
	V 1	287.91	299.37	266.19	354.57	359.68	V 1
	V 2	584.81	504.11	542.12	647.68	683.43	V 2
	VZ 1	248.44	270.65	246.07	344.29	354.12	VZ 1
	VZ 2	204.88	216.42	162.83	438.10	505.17	VZ 2
	V-THETA 1	-128.52	-120.04	-99.51	-84.57	-61.80	V-THETA 1
	V-THETA 2	544.98	454.03	516.96	477.03	459.42	V-THETA 2
	V(PR) 1	780.6	906.1	998.8	1127.0	1219.2	V(PR) 1
	V(PR) 2	256.4	399.1	404.5	673.5	806.4	V(PR) 2
	VTHETA PR1	-736.9	-863.6	-967.8	-1073.1	-1166.6	VTHETA PR1
	VTHETA PR2	-144.1	-333.6	-370.1	-511.5	-628.0	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.2596	0.2701	0.2398	0.3209	0.3256	M 1
	M 2	0.5095	0.4357	0.4668	0.5603	0.5879	M 2
	M(PR) 1	0.7039	0.8175	0.8998	1.0199	1.1036	M(PR) 1
	M(PR) 2	0.2234	0.3450	0.3483	0.5826	0.6937	M(PR) 2
	TURN(PR)	36.547	15.671	9.495	22.789	21.963	TURN(PR)

P 1	12.864	12.844	12.693	12.753	12.854	P 1
P 2	18.295	17.498	17.947	19.395	19.914	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	576.804	578.171	585.815	591.011	601.284	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	69.397	64.514	72.517	47.436	42.285	BETA 2
STATION 2A	BETA 2A	-6.168	9.539	-18.481	1.485	7.721	BETA 2A
	V 2	584.81	504.11	542.12	647.68	683.43	V 2
	V 2A	220.67	379.05	409.81	506.85	594.32	V 2A
	VZ 2	204.88	216.42	162.83	438.10	505.17	VZ 2
	VZ 2A	218.45	373.22	388.52	506.67	588.80	VZ 2A
	V-THETA 2	544.98	454.03	516.96	477.03	459.42	V-THETA 2
	V-THETA 2A	-23.61	62.72	-129.86	13.14	79.83	V-THETA 2A
	M 2	0.5095	0.4357	0.4668	0.5603	0.5879	M 2
	M 2A	0.1876	0.3237	0.3480	0.4311	0.5028	M 2A
	TURN(PR)	74.874	54.721	90.947	45.951	34.521	TURN(PR)

P 2	18.295	17.498	17.947	19.395	19.914	P 2
P 2A	16.495	17.308	17.606	18.413	19.383	P 2A
T 2	576.804	578.171	585.815	591.011	601.284	T 2
T 2A	579.888	582.580	590.986	596.660	610.953	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (70°) - Station 2 (71°) - Station 2A (84°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	-35.578	-36.325	-42.529	-43.508	-45.258	BETA 1
STATION 2	BETA 2	49.642	56.399	82.171	66.493	54.674	BETA 2
	BETA(PR) 1	70.232	75.004	80.240	81.200	82.502	BETA(PR) 1
	BETA(PR) 2	30.854	31.476	76.017	57.830	54.424	BETA(PR) 2
	V 1	370.77	310.52	241.10	247.35	238.28	V 1
	V 2	608.74	674.71	576.87	637.30	669.83	V 2
	VZ 1	294.31	248.03	177.35	179.39	167.68	VZ 1
	VZ 2	388.38	372.00	78.58	254.20	387.11	VZ 2
	V-THETA 1	-210.53	-182.36	-162.68	-170.28	-169.20	V-THETA 1
	V-THETA 2	457.02	559.89	571.46	584.41	546.21	V-THETA 2
	V(PR) 1	873.9	959.4	1046.2	1172.6	1285.0	V(PR) 1
	V(PR) 2	464.3	440.0	325.2	477.4	665.7	V(PR) 2
	VTHETA PR1	-818.9	-925.9	-1031.0	-1158.8	-1274.0	VTHETA PR1
	VTHETA PR2	-232.0	-227.7	-315.6	-404.1	-541.2	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3358	0.2803	0.2170	0.2227	0.2144	M 1
	M 2	0.5271	0.5864	0.4920	0.5420	0.5629	M 2
	M(PR) 1	0.7916	0.8661	0.9416	1.0556	1.1563	M(PR) 1
	M(PR) 2	0.4020	0.3824	0.2774	0.4061	0.5595	M(PR) 2
	TURN(PR)	39.575	43.645	4.226	23.369	28.116	TURN(PR)
	P 1	13.461	13.310	13.264	13.258	13.194	P 1
	P 2	18.556	19.063	18.050	18.963	19.580	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	585.906	588.874	599.785	609.155	626.640	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	49.642	56.399	82.171	66.493	54.674	BETA 2
STATION 2A	BETA 2A	8.416	9.013	-6.735	-22.103	12.428	BETA 2A
	V 2	608.74	674.71	576.87	637.30	669.83	V 2
	V 2A	554.74	425.89	355.12	481.36	583.66	V 2A
	VZ 2	388.38	372.00	78.58	254.20	387.11	VZ 2
	VZ 2A	546.43	419.96	352.52	445.98	569.86	VZ 2A
	V-THETA 2	457.02	559.89	571.46	584.41	546.21	V-THETA 2
	V-THETA 2A	80.85	66.61	-41.63	-181.12	125.58	V-THETA 2A
	M 2	0.5271	0.5864	0.4920	0.5420	0.5629	M 2
	M 2A	0.4759	0.3604	0.2959	0.4009	0.4830	M 2A
	TURN(PR)	40.277	47.081	88.882	88.596	42.206	TURN(PR)
	P 2	18.556	19.063	18.050	18.963	19.580	P 2
	P 2A	18.618	17.564	17.155	17.964	18.879	P 2A
	T 2	585.906	588.874	599.785	609.155	626.640	T 2
	T 2A	591.135	596.238	610.117	619.300	636.109	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (100°) - Station 2 (101°) - Station 2A (114°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	-21.513	-11.025	-8.223	-6.582	-12.407	BETA 1
STATION 2	BETA 2	40.718	48.913	67.635	56.121	59.200	BETA 2
	BETA(PR) 1	64.882	64.950	67.947	71.347	78.703	BETA(PR) 1
	BETA(PR) 2	22.213	34.401	50.873	45.704	51.188	BETA(PR) 2
	V 1	388.13	394.51	378.74	349.57	236.50	V 1
	V 2	731.04	657.77	637.23	705.33	727.40	V 2
	VZ 1	349.86	382.32	373.63	347.23	230.85	VZ 1
	VZ 2	542.97	430.03	242.37	393.18	372.30	VZ 2
	V-THETA 1	-137.90	-74.49	-53.99	-40.06	-50.78	V-THETA 1
	V-THETA 2	467.32	493.17	589.06	585.58	624.54	V-THETA 2
	V(PR) 1	829.8	905.1	995.6	1085.6	1178.4	V(PR) 1
	V(PR) 2	604.3	525.5	384.5	563.0	594.4	V(PR) 2
	VTHETA PR1	-746.3	-818.0	-922.3	-1028.6	-1155.5	VTHETA PR1
	VTHETA PR2	-221.7	-294.5	-298.0	-403.0	-462.9	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3519	0.3579	0.3432	0.3162	0.2128	M 1
	M 2	0.6365	0.5689	0.5437	0.6001	0.6107	M 2
	M(PR) 1	0.7524	0.8211	0.9022	0.9821	1.0603	M(PR) 1
	M(PR) 2	0.5261	0.4545	0.3281	0.4790	0.4990	M(PR) 2
	TURN(PR)	42.548	30.579	17.083	25.641	27.552	TURN(PR)
	P 1	14.095	14.271	14.334	14.290	13.843	P 1
	P 2	20.305	18.706	18.368	19.444	19.700	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	593.511	592.376	605.517	616.364	634.485	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	40.718	48.913	67.635	56.121	59.200	BETA 2
STATION 2A	BETA 2A	4.100	0.335	-6.171	-1.095	1.288	BETA 2A
	V 2	731.04	657.77	637.23	705.33	727.40	V 2
	V 2A	662.35	455.25	436.94	484.14	541.67	V 2A
	VZ 2	542.97	430.03	242.37	393.18	372.30	VZ 2
	VZ 2A	657.80	454.49	434.22	484.05	541.41	VZ 2A
	V-THETA 2	467.32	493.17	589.06	585.58	624.54	V-THETA 2
	V-THETA 2A	47.15	2.66	-46.95	-9.25	12.17	V-THETA 2A
	M 2	0.6365	0.5689	0.5437	0.6001	0.6107	M 2
	M 2A	0.5770	0.3914	0.3711	0.4093	0.4527	M 2A
	TURN(PR)	35.654	48.235	73.749	57.216	57.872	TURN(PR)
	P 2	20.305	18.706	18.368	19.444	19.700	P 2
	P 2A	19.888	17.878	17.781	18.074	18.497	P 2A
	T 2	593.511	592.376	605.517	616.364	634.485	T 2
	T 2A	584.929	580.306	592.847	601.821	620.286	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (130°) - Station 2 (131°) - Station 2A (144°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	-1.637	1.194	2.683	4.082	7.357	BETA 1
STATION 2	BETA 2	44.327	41.524	48.839	45.776	59.376	BETA 2
	BETA(PR) 1	59.645	60.812	64.057	67.390	72.624	BETA(PR) 1
	BETA(PR) 2	22.418	36.758	43.220	48.299	53.617	BETA(PR) 2
	V 1	375.89	416.13	414.84	400.89	335.24	V 1
	V 2	705.95	648.85	647.56	659.29	700.97	V 2
	VZ 1	362.34	410.58	413.02	399.82	332.28	VZ 1
	VZ 2	495.96	482.49	425.72	459.83	356.93	VZ 2
	V-THETA 1	-10.36	8.56	19.35	28.53	42.90	V-THETA 1
	V-THETA 2	484.44	427.23	486.96	472.46	602.96	V-THETA 2
	V(PR) 1	723.9	844.6	944.7	1040.0	1112.7	V(PR) 1
	V(PR) 2	552.8	606.9	585.0	691.2	602.1	V(PR) 2
	VTHETA PR1	-618.7	-735.0	-849.0	-960.0	-1061.9	VTHETA PR1
	VTHETA PR2	-204.6	-360.4	-400.1	-516.1	-484.4	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3406	0.3780	0.3768	0.3638	0.3030	M 1
	M 2	0.6241	0.5730	0.5675	0.5744	0.6044	M 2
	M(PR) 1	0.6559	0.7673	0.8581	0.9438	1.0058	M(PR) 1
	M(PR) 2	0.4887	0.5360	0.5127	0.6022	0.5191	M(PR) 2
	TURN(PR)	37.005	24.061	20.838	19.088	19.040	TURN(PR)

P 1	14.222	14.362	14.363	14.361	14.179	P 1
P 2	19.716	18.907	18.716	18.974	19.282	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	573.948	568.737	576.824	584.559	600.717	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.327	41.524	48.839	45.776	59.376	BETA 2
STATION 2A	BETA 2A	9.348	4.437	5.957	6.813	3.920	BETA 2A
	V 2	705.95	648.85	647.56	659.29	700.97	V 2
	V 2A	613.66	504.38	486.51	510.66	539.63	V 2A
	VZ 2	495.96	482.49	425.72	459.83	356.93	VZ 2
	VZ 2A	602.95	502.05	483.67	507.05	538.25	VZ 2A
	V-THETA 2	484.44	427.23	486.96	472.46	602.96	V-THETA 2
	V-THETA 2A	99.26	38.96	50.47	60.58	36.88	V-THETA 2A
	M 2	0.6241	0.5730	0.5675	0.5744	0.6044	M 2
	M 2A	0.5400	0.4414	0.4222	0.4418	0.4621	M 2A
	TURN(PR)	34.024	36.751	42.809	38.963	55.417	TURN(PR)

P 2	19.716	18.907	18.716	18.974	19.282	P 2
P 2A	19.452	18.494	18.376	18.573	18.738	P 2A
T 2	573.948	568.737	576.824	584.559	600.717	T 2
T 2A	568.877	564.599	572.418	577.665	591.899	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (160°) - Station 2 (161°) - Station 2A (174°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	2.286	2.944	3.648	4.657	6.760	BETA 1
STATION 2	BETA 2	47.270	43.960	42.169	38.579	50.677	BETA 2
	BETA(PR) 1	57.503	58.650	61.436	64.355	69.835	BETA(PR) 1
	BETA(PR) 2	25.998	39.468	45.294	49.340	55.219	BETA(PR) 2
	V 1	392.18	445.64	459.30	458.30	391.74	V 1
	V 2	657.33	615.92	625.52	644.53	645.36	V 2
	VZ 1	377.91	439.22	456.86	456.73	388.79	VZ 1
	VZ 2	438.81	440.58	462.94	503.86	408.70	VZ 2
	V-THETA 1	15.09	22.59	29.13	37.21	46.09	V-THETA 1
	V-THETA 2	475.04	424.86	419.31	401.92	498.93	V-THETA 2
	V(PR) 1	711.0	847.3	956.2	1055.3	1127.9	V(PR) 1
	V(PR) 2	502.2	574.8	658.9	773.3	716.8	V(PR) 2
	VTHETA PR1	-593.3	-721.0	-839.2	-951.3	-1058.7	VTHETA PR1
	VTHETA PR2	-214.0	-362.8	-467.7	-586.6	-588.5	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3557	0.4057	0.4186	0.4176	0.3553	M 1
	M 2	0.5826	0.5461	0.5531	0.5683	0.5630	M 2
	M(PR) 1	0.6449	0.7713	0.8714	0.9616	1.0230	M(PR) 1
	M(PR) 2	0.4451	0.5096	0.5826	0.6818	0.6253	M(PR) 2
	TURN(PR)	31.331	19.183	16.139	15.012	14.647	TURN(PR)
	P 1	14.208	14.342	14.372	14.414	14.263	P 1
	P 2	18.859	18.642	18.998	19.327	18.961	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.780	561.061	564.935	569.960	581.560	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	47.270	43.960	42.169	38.579	50.677	BETA 2
STATION 2A	BETA 2A	9.518	4.874	6.546	6.129	5.600	BETA 2A
	V 2	657.33	615.92	625.52	644.53	645.36	V 2
	V 2A	577.26	512.69	529.19	558.46	568.48	V 2A
	VZ 2	438.81	440.58	462.94	503.86	408.70	VZ 2
	VZ 2A	566.91	510.01	525.51	555.26	565.63	VZ 2A
	V-THETA 2	475.04	424.86	419.31	401.92	498.93	V-THETA 2
	V-THETA 2A	95.05	43.49	60.30	59.62	55.46	V-THETA 2A
	M 2	0.5826	0.5461	0.5531	0.5683	0.5630	M 2
	M 2A	0.5078	0.4502	0.4634	0.4882	0.4923	M 2A
	TURN(PR)	36.799	38.748	35.550	32.450	45.034	TURN(PR)
	P 2	18.859	18.642	18.998	19.327	18.961	P 2
	P 2A	19.066	18.616	18.879	19.226	19.228	P 2A
	T 2	565.780	561.061	564.935	569.960	581.560	T 2
	T 2A	565.555	561.635	566.010	570.451	581.766	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (190°) - Station 2 (191°) - Station 2A (204°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	6.706	5.063	5.001	5.434	6.750	BETA 1
STATION 2	BETA 2	44.020	40.682	37.237	35.700	41.332	BETA 2
	BETA(PR) 1	55.141	56.781	59.862	62.889	67.635	BETA(PR) 1
	BETA(PR) 2	26.215	38.192	44.101	48.575	50.702	BETA(PR) 2
	V 1	408.76	468.12	483.17	484.83	436.75	V 1
	V 2	668.98	635.31	645.42	657.35	689.76	V 2
	VZ 1	391.67	460.22	479.75	482.59	433.46	VZ 1
	VZ 2	472.35	478.43	512.98	533.82	517.48	VZ 2
	V-THETA 1	46.05	40.77	41.98	45.91	51.30	V-THETA 1
	V-THETA 2	456.46	411.25	389.89	383.59	455.13	V-THETA 2
	V(PR) 1	693.7	843.4	956.3	1059.0	1139.3	V(PR) 1
	V(PR) 2	541.5	613.3	715.3	806.8	817.6	V(PR) 2
	VTHETA PR1	-562.3	-702.8	-826.3	-942.6	-1053.5	VTHETA PR1
	VTHETA PR2	-232.6	-376.4	-497.1	-605.0	-632.3	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3712	0.4269	0.4411	0.4427	0.3973	M 1
	M 2	0.5939	0.5636	0.5708	0.5800	0.6043	M 2
	M(PR) 1	0.6298	0.7691	0.8731	0.9670	1.0365	M(PR) 1
	M(PR) 2	0.4807	0.5441	0.6326	0.7119	0.7162	M(PR) 2
	TURN(PR)	28.724	18.576	15.754	14.312	16.965	TURN(PR)
	P 1	14.172	14.342	14.357	14.351	14.210	P 1
	P 2	18.777	18.800	19.260	19.588	19.902	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.397	562.373	566.808	570.540	581.886	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.020	40.682	37.237	35.700	41.332	BETA 2
STATION 2A	BETA 2A	8.681	4.628	5.053	4.193	6.610	BETA 2A
	V 2	668.98	635.31	645.42	657.35	689.76	V 2
	V 2A	562.67	526.92	553.71	584.46	620.92	V 2A
	VZ 2	472.35	478.43	512.98	533.82	517.48	VZ 2
	VZ 2A	553.86	524.35	551.32	582.89	616.65	VZ 2A
	V-THETA 2	456.46	411.25	389.89	383.59	455.13	V-THETA 2
	V-THETA 2A	84.57	42.45	48.75	42.73	71.46	V-THETA 2A
	M 2	0.5939	0.5636	0.5708	0.5800	0.6043	M 2
	M 2A	0.4950	0.4628	0.4861	0.5128	0.5411	M 2A
	TURN(PR)	34.382	35.720	32.112	31.507	34.678	TURN(PR)
	P 2	18.777	18.800	19.260	19.588	19.902	P 2
	P 2A	18.852	18.687	19.113	19.530	19.886	P 2A
	T 2	565.397	562.373	566.808	570.540	581.886	T 2
	T 2A	564.019	562.501	565.581	569.121	580.172	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (220°) - Station 2 (221°) - Station 2A (234°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	3.835	1.708	2.586	3.502	3.625	BETA 1
STATION 2	BETA 2	45.900	41.483	39.398	38.233	40.483	BETA 2
	BETA(PR) 1	54.652	56.473	58.904	61.826	65.396	BETA(PR) 1
	BETA(PR) 2	27.410	39.327	46.322	51.311	53.156	BETA(PR) 2
	V 1	428.06	489.75	512.04	513.69	492.92	V 1
	V 2	649.62	621.41	615.28	617.95	653.96	V 2
	VZ 1	411.92	483.11	509.83	512.67	491.64	VZ 1
	VZ 2	444.40	462.37	474.70	485.40	496.94	VZ 2
	V-THETA 1	27.61	14.41	23.03	31.37	31.15	V-THETA 1
	V-THETA 2	458.59	408.83	389.90	382.42	424.18	V-THETA 2
	V(PR) 1	720.9	878.2	988.0	1085.9	1181.0	V(PR) 1
	V(PR) 2	514.6	602.1	688.2	776.5	829.2	V(PR) 2
	VTHETA PR1	-580.7	-729.1	-845.3	-957.2	-1073.6	VTHETA PR1
	VTHETA PR2	-230.5	-378.8	-497.1	-606.1	-663.2	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3892	0.4474	0.4686	0.4702	0.4504	M 1
	M 2	0.5773	0.5513	0.5441	0.5441	0.5730	M 2
	M(PR) 1	0.6555	0.8023	0.9042	0.9939	1.0791	M(PR) 1
	M(PR) 2	0.4573	0.5342	0.6086	0.6837	0.7265	M(PR) 2
	TURN(PR)	27.059	17.135	12.575	10.512	12.270	TURN(PR)
	P 1	14.125	14.327	14.369	14.360	14.314	P 1
	P 2	18.717	18.846	19.097	19.410	19.920	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	562.090	560.864	563.788	568.708	577.747	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	45.900	41.483	39.398	38.233	40.483	BETA 2
STATION 2A	BETA 2A	8.660	5.347	5.225	4.185	6.570	BETA 2A
	V 2	649.62	621.41	615.28	617.95	653.96	V 2
	V 2A	560.95	534.60	559.63	571.87	632.62	V 2A
	VZ 2	444.40	462.37	474.70	485.40	496.94	VZ 2
	VZ 2A	552.20	531.41	557.06	570.34	628.32	VZ 2A
	V-THETA 2	458.59	408.83	389.90	382.42	424.18	V-THETA 2
	V-THETA 2A	84.10	49.74	50.94	41.73	72.37	V-THETA 2A
	M 2	0.5773	0.5513	0.5441	0.5441	0.5730	M 2
	M 2A	0.4942	0.4703	0.4920	0.5011	0.5528	M 2A
	TURN(PR)	36.282	35.802	34.100	34.048	33.870	TURN(PR)
	P 2	18.717	18.846	19.097	19.410	19.920	P 2
	P 2A	18.753	18.738	19.157	19.357	20.022	P 2A
	T 2	562.090	560.864	563.788	568.708	577.747	T 2
	T 2A	562.373	561.600	564.434	569.207	578.357	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (250°) - Station 2 (251°) - Station 2A (264°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	5.931	4.281	3.568	3.367	3.914	BETA 1
STATION 2	BETA 2	40.932	38.678	36.663	35.081	35.992	BETA 2
	BETA(PR) 1	55.008	55.855	58.773	61.876	65.743	BETA(PR) 1
	BETA(PR) 2	26.539	37.765	43.607	48.805	50.921	BETA(PR) 2
	V 1	413.73	487.62	509.92	513.21	484.35	V 1
	V 2	680.94	645.24	652.78	654.80	687.19	V 2
	VZ 1	396.98	479.91	507.25	512.26	482.93	VZ 1
	VZ 2	504.19	500.01	522.73	535.85	555.43	VZ 2
	V-THETA 1	41.24	35.92	31.63	30.14	33.04	V-THETA 1
	V-THETA 2	437.24	400.27	389.11	376.34	403.43	V-THETA 2
	V(PR) 1	700.8	858.6	979.3	1086.7	1175.6	V(PR) 1
	V(PR) 2	579.6	637.3	722.9	813.6	881.6	V(PR) 2
	VTHETA PR1	-567.1	-707.6	-836.7	-958.4	-1071.7	VTHETA PR1
	VTHETA PR2	-251.8	-387.4	-497.9	-612.2	-684.0	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3758	0.4454	0.4666	0.4697	0.4423	M 1
	M 2	0.6059	0.5723	0.5780	0.5780	0.6025	M 2
	M(PR) 1	0.6365	0.7842	0.8961	0.9947	1.0735	M(PR) 1
	M(PR) 2	0.5157	0.5653	0.6401	0.7182	0.7730	M(PR) 2
	TURN(PR)	28.273	18.071	15.158	13.068	14.853	TURN(PR)

P 1	14.028	14.297	14.338	14.336	14.235	P 1
P 2	19.030	18.996	19.472	19.787	20.368	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	564.328	563.672	566.253	569.754	580.677	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	40.932	38.678	36.663	35.081	35.992	BETA 2
STATION 2A	BETA 2A	7.756	5.208	4.616	3.469	5.872	BETA 2A
	V 2	680.94	645.24	652.78	654.80	687.19	V 2
	V 2A	569.96	542.11	562.47	571.65	625.92	V 2A
	VZ 2	504.19	500.01	522.73	535.85	555.43	VZ 2
	VZ 2A	562.34	539.00	560.40	570.60	622.49	VZ 2A
	V-THETA 2	437.24	400.27	389.11	376.34	403.43	V-THETA 2
	V-THETA 2A	76.59	49.13	45.25	34.59	64.02	V-THETA 2A
	M 2	0.6059	0.5723	0.5780	0.5780	0.6025	M 2
	M 2A	0.5019	0.4766	0.4942	0.5010	0.5455	M 2A
	TURN(PR)	32.226	33.141	31.976	31.612	30.078	TURN(PR)

P 2	19.030	18.996	19.472	19.787	20.368	P 2
P 2A	18.791	18.791	19.157	19.329	19.889	P 2A
T 2	564.328	563.672	566.253	569.754	580.677	T 2
T 2A	563.751	562.948	565.450	569.073	580.597	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (280°) - Station 2 (281°) - Station 2A (294°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	3.613	1.914	1.695	1.853	2.653	BETA 1
STATION 2	BETA 2	43.898	40.502	38.972	38.687	38.016	BETA 2
	BETA(PR) 1	54.082	55.964	58.765	61.336	65.149	BETA(PR) 1
	BETA(PR) 2	27.880	39.016	46.292	51.190	53.037	BETA(PR) 2
	V 1	437.80	497.94	519.26	531.35	501.75	V 1
	V 2	653.09	626.74	616.01	619.56	654.60	V 2
	VZ 1	421.39	491.13	517.31	531.01	500.92	VZ 1
	VZ 2	462.05	473.23	478.14	483.61	515.21	VZ 2
	V-THETA 1	26.61	16.41	15.31	17.18	23.21	V-THETA 1
	V-THETA 2	444.61	404.20	386.81	387.27	402.76	V-THETA 2
	V(PR) 1	727.6	881.1	998.5	1107.1	1192.0	V(PR) 1
	V(PR) 2	537.2	613.5	692.9	771.6	857.3	V(PR) 2
	VTHETA PR1	-581.7	-727.1	-853.0	-971.4	-1081.6	VTHETA PR1
	VTHETA PR2	-244.4	-383.4	-500.2	-601.3	-684.6	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3983	0.4552	0.4755	0.4871	0.4588	M 1
	M 2	0.5802	0.5557	0.5445	0.5450	0.5731	M 2
	M(PR) 1	0.6620	0.8055	0.9144	1.0149	1.0900	M(PR) 1
	M(PR) 2	0.4773	0.5440	0.6124	0.6788	0.7506	M(PR) 2
	TURN(PR)	26.022	16.934	12.465	10.144	12.142	TURN(PR)

P 1	14.154	14.343	14.356	14.373	14.263	P 1
P 2	18.746	18.925	19.131	19.415	19.971	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	562.760	562.055	564.294	569.761	578.599	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	43.898	40.502	38.972	38.687	38.016	BETA 2
STATION 2A	BETA 2A	3.395	2.967	2.173	0.839	4.118	BETA 2A
	V 2	653.09	626.74	616.01	619.56	654.60	V 2
	V 2A	558.50	525.23	559.38	554.31	582.60	V 2A
	VZ 2	462.05	473.23	478.14	483.61	515.21	VZ 2
	VZ 2A	555.11	523.67	558.73	554.25	580.96	VZ 2A
	V-THETA 2	444.61	404.20	386.81	387.27	402.76	V-THETA 2
	V-THETA 2A	32.93	27.14	21.20	8.12	41.83	V-THETA 2A
	M 2	0.5802	0.5557	0.5445	0.5450	0.5731	M 2
	M 2A	0.4927	0.4619	0.4923	0.4853	0.5074	M 2A
	TURN(PR)	39.524	37.198	36.725	37.848	33.855	TURN(PR)

P 2	18.746	18.925	19.131	19.415	19.971	P 2
P 2A	18.689	18.626	19.131	19.128	19.814	P 2A
T 2	562.760	562.055	564.294	569.761	578.599	T 2
T 2A	560.834	561.141	563.322	568.555	576.974	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (310°) - Station 2 (311°) - Station 2A (324°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	9.863	5.548	4.593	4.262	4.163	BETA 1
STATION 2	BETA 2	42.640	38.457	37.197	35.739	39.184	BETA 2
	BETA(PR) 1	52.502	54.911	58.011	61.302	65.491	BETA(PR) 1
	BETA(PR) 2	26.883	37.935	44.224	49.182	51.427	BETA(PR) 2
	V 1	433.04	497.77	519.81	521.45	489.09	V 1
	V 2	668.69	643.93	643.93	648.71	678.68	V 2
	VZ 1	411.84	488.98	516.44	519.95	487.51	VZ 1
	VZ 2	482.59	500.51	512.06	526.55	525.56	VZ 2
	V-THETA 1	71.60	47.50	41.49	38.75	35.48	V-THETA 1
	V-THETA 2	444.39	397.51	388.63	378.91	428.39	V-THETA 2
	V(PR) 1	685.9	854.4	975.8	1082.8	1175.3	V(PR) 1
	V(PR) 2	556.3	639.4	715.5	805.6	843.4	V(PR) 2
	VTHETA PR1	-536.8	-696.0	-826.8	-949.8	-1069.3	VTHETA PR1
	VTHETA PR2	-244.7	-390.1	-498.4	-609.6	-659.0	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3939	0.4550	0.4761	0.4776	0.4468	M 1
	M 2	0.5956	0.5725	0.5710	0.5737	0.5965	M 2
	M(PR) 1	0.6239	0.7810	0.8936	0.9918	1.0736	M(PR) 1
	M(PR) 2	0.4956	0.5684	0.6345	0.7124	0.7413	M(PR) 2
	TURN(PR)	25.404	16.954	13.778	12.117	14.095	TURN(PR)
	P 1	14.090	14.307	14.341	14.325	14.231	P 1
	P 2	18.742	18.932	19.286	19.617	20.059	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	561.760	561.097	563.745	567.189	577.052	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.37	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.066	40.183	DIA
STATION 2	BETA 2	42.640	38.457	37.197	35.739	39.184	BETA 2
STATION 2A	BETA 2A	-26.309	1.369	4.021	1.001	3.452	BETA 2A
	V 2	668.69	643.93	643.93	648.71	678.68	V 2
	V 2A	444.24	458.74	523.36	498.01	614.55	V 2A
	VZ 2	482.59	500.51	512.06	526.55	525.56	VZ 2
	VZ 2A	396.83	457.86	521.85	497.93	613.29	VZ 2A
	V-THETA 2	444.39	397.51	388.63	378.91	428.39	V-THETA 2
	V-THETA 2A	-196.20	10.94	36.68	8.70	36.99	V-THETA 2A
	M 2	0.5956	0.5725	0.5710	0.5737	0.5965	M 2
	M 2A	0.3895	0.4031	0.4608	0.4362	0.5384	M 2A
	TURN(PR)	67.859	36.754	33.104	34.738	35.688	TURN(PR)
	P 2	18.742	18.932	19.286	19.617	20.059	P 2
	P 2A	17.710	18.125	18.884	18.700	19.971	P 2A
	T 2	561.760	561.097	563.745	567.189	577.052	T 2
	T 2A	557.858	556.625	559.703	563.241	573.678	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (340°) - Station 2 (341°) - Station 2A (354°)

PERCENT EQUIVALENT DESIGN SPEED = 101.21 EQUIVALENT ROTOR SPEED = 6123.18 CORRECTED WEIGHT FLOW = 223.08

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.11	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.700	DIA
STATION 1	BETA 1	21.118	10.675	7.201	7.924	8.857	BETA 1
STATION 2	BETA 2	54.647	50.935	46.143	43.690	43.273	BETA 2
	BETA(PR) 1	54.738	58.340	59.691	59.791	69.429	BETA(PR) 1
	BETA(PR) 2	35.718	46.574	49.962	54.413	56.144	BETA(PR) 2
	V 1	373.89	423.36	477.99	537.61	396.66	V 1
	V 2	566.14	548.76	574.61	581.08	614.59	V 2
	VZ 1	337.87	410.75	472.67	532.41	391.70	VZ 1
	VZ 2	323.70	344.16	397.61	420.17	447.10	VZ 2
	V-THETA 1	130.50	77.43	59.72	74.11	61.04	V-THETA 1
	V-THETA 2	456.28	424.02	413.80	401.38	420.93	V-THETA 2
	V(PR) 1	592.5	785.5	937.4	1058.2	1114.9	V(PR) 1
	V(PR) 2	408.0	503.5	618.8	722.0	802.9	V(PR) 2
	VTHETA PR1	-477.9	-666.1	-808.6	-914.4	-1043.7	VTHETA PR1
	VTHETA PR2	-232.8	-363.6	-473.2	-587.2	-666.5	VTHETA PR2
	U 1	608.35	743.54	868.32	988.54	1104.76	U 1
	U 2	689.04	787.63	887.02	988.54	1087.40	U 2
	M 1	0.3387	0.3848	0.4362	0.4931	0.3599	M 1
	M 2	0.5006	0.4850	0.5076	0.5116	0.5387	M 2
	M(PR) 1	0.5368	0.7139	0.8555	0.9706	1.0115	M(PR) 1
	M(PR) 2	0.3608	0.4450	0.5466	0.6356	0.7038	M(PR) 2
	TURN(PR)	18.971	11.772	9.722	5.375	13.316	TURN(PR)

	P 1	13.375	13.347	13.578	13.981	13.070	P 1
	P 2	17.788	18.015	18.516	18.769	19.275	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.057	557.967	560.819	565.108	573.117	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	54.647	50.935	46.143	43.690	43.273	BETA 2
STATION 2A	BETA 2A	-49.386	0.952	2.736	2.038	3.534	BETA 2A
	V 2	566.14	548.76	574.61	581.08	614.59	V 2
	V 2A	241.22	396.96	492.10	508.00	620.23	V 2A
	VZ 2	323.70	344.16	397.61	420.17	447.10	VZ 2
	VZ 2A	156.73	396.25	491.32	507.67	618.91	VZ 2A
	V-THETA 2	456.28	424.02	413.80	401.38	420.93	V-THETA 2
	V-THETA 2A	-182.77	6.58	23.48	18.07	38.22	V-THETA 2A
	M 2	0.5006	0.4850	0.5076	0.5116	0.5387	M 2
	M 2A	0.2084	0.3461	0.4282	0.4388	0.5363	M 2A
	TURN(PR)	102.965	49.645	43.332	41.652	39.695	TURN(PR)

	P 2	17.788	18.015	18.516	18.769	19.275	P 2
	P 2A	16.605	17.629	18.565	18.874	20.163	P 2A
	T 2	559.057	557.967	560.819	565.108	573.117	T 2
	T 2A	562.550	560.546	569.741	579.299	588.602	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (10°) - Station 2 (11°) - Station 2A (24°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	13.857	7.276	5.643	4.550	4.252	BETA 1
STATION 2	BETA 2	58.135	50.122	45.566	44.867	42.360	BETA 2
	BETA(PR) 1	61.114	63.848	65.191	66.559	69.246	BETA(PR) 1
	BETA(PR) 2	36.276	44.690	48.255	51.907	53.134	BETA(PR) 2
	V 1	313.90	349.75	385.73	414.34	407.22	V 1
	V 2	560.88	562.91	590.77	612.18	654.16	V 2
	VZ 1	294.48	342.45	382.60	412.98	405.86	VZ 1
	VZ 2	293.18	359.11	413.05	433.88	482.95	VZ 2
	V-THETA 1	72.64	43.72	37.80	32.87	30.17	V-THETA 1
	V-THETA 2	471.65	429.83	421.29	431.87	440.38	V-THETA 2
	V(PR) 1	614.9	779.0	912.4	1038.2	1145.4	V(PR) 1
	V(PR) 2	372.1	508.3	621.1	703.3	805.5	V(PR) 2
	VTHETA PR1	-533.7	-697.4	-827.7	-952.5	-1071.0	VTHETA PR1
	VTHETA PR2	-215.2	-355.3	-462.9	-553.5	-644.0	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.2834	0.3164	0.3497	0.3764	0.3697	M 1
	M 2	0.4979	0.5004	0.5192	0.5340	0.5684	M 2
	M(PR) 1	0.5552	0.7047	0.8272	0.9430	1.0399	M(PR) 1
	M(PR) 2	0.3303	0.4518	0.5458	0.6135	0.6999	M(PR) 2
	TURN(PR)	24.894	19.202	16.940	14.650	16.144	TURN(PR)

P 1	11.962	11.919	11.997	12.056	12.100	P 1
P 2	16.802	17.183	17.650	18.026	18.830	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	554.278	553.096	567.927	578.090	586.818	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	58.135	50.122	45.566	44.867	42.360	BETA 2
STATION 2A	BETA 2A	-62.529	-42.300	-0.222	1.296	4.811	BETA 2A
	V 2	560.88	562.91	590.77	612.18	654.16	V 2
	V 2A	254.85	334.00	525.50	576.57	621.53	V 2A
	VZ 2	293.18	359.11	413.05	433.88	482.95	VZ 2
	VZ 2A	117.45	246.81	525.26	576.42	619.19	VZ 2A
	V-THETA 2	471.65	429.83	421.29	431.87	440.38	V-THETA 2
	V-THETA 2A	-225.90	-224.58	-2.04	13.04	52.11	V-THETA 2A
	M 2	0.4979	0.5004	0.5192	0.5340	0.5684	M 2
	M 2A	0.2206	0.2903	0.4557	0.4981	0.5351	M 2A
	TURN(PR)	119.662	92.034	45.711	43.571	37.504	TURN(PR)

P 2	16.802	17.183	17.650	18.026	18.830	P 2
P 2A	15.208	15.570	17.206	17.920	18.472	P 2A
T 2	554.278	553.096	567.927	578.090	586.818	T 2
T 2A	560.769	560.024	576.450	585.323	593.664	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (40°) - Station 2 (41°) - Station 2A (54°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-3.887	-2.909	-3.069	-1.631	-0.299	BETA 1
STATION 2	BETA 2	63.393	55.378	52.898	43.714	43.997	BETA 2
	BETA(PR) 1	66.401	66.119	67.013	66.612	69.327	BETA(PR) 1
	BETA(PR) 2	26.677	37.475	48.797	50.809	52.811	BETA(PR) 2
	V 1	283.73	340.58	377.48	431.69	416.58	V 1
	V 2	618.12	626.29	595.34	624.60	660.68	V 2
	VZ 1	273.02	335.68	375.70	431.46	416.33	VZ 1
	VZ 2	274.86	354.44	358.78	451.46	474.88	VZ 2
	V-THETA 1	-18.55	-17.06	-20.14	-12.29	-2.17	V-THETA 1
	V-THETA 2	548.71	513.36	474.36	431.63	458.54	V-THETA 2
	V(PR) 1	686.1	831.0	962.5	1087.0	1179.4	V(PR) 1
	V(PR) 2	316.3	450.0	545.3	714.4	786.1	V(PR) 2
	VTHETA PR1	-624.9	-758.2	-885.7	-997.6	-1103.4	VTHETA PR1
	VTHETA PR2	-138.1	-271.7	-409.8	-553.7	-625.9	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.2558	0.3080	0.3421	0.3926	0.3785	M 1
	M 2	0.5452	0.5519	0.5179	0.5419	0.5698	M 2
	M(PR) 1	0.6186	0.7514	0.8722	0.9885	1.0715	M(PR) 1
	M(PR) 2	0.2790	0.3966	0.4744	0.6199	0.6780	M(PR) 2
	TURN(PR)	39.741	28.697	18.224	15.801	16.549	TURN(PR)
	P 1	11.958	12.067	12.100	12.171	12.239	P 1
	P 2	17.047	17.503	17.308	17.887	18.544	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.698	568.655	579.441	585.314	595.864	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	63.393	55.378	52.898	43.714	43.997	BETA 2
STATION 2A	BETA 2A	-9.389	-1.773	-0.446	3.658	6.141	BETA 2A
	V 2	618.12	626.29	595.34	624.60	660.68	V 2
	V 2A	317.47	463.46	467.71	565.98	611.98	V 2A
	VZ 2	274.86	354.44	358.78	451.46	474.88	VZ 2
	VZ 2A	311.89	462.48	467.49	564.82	608.33	VZ 2A
	V-THETA 2	548.71	513.36	474.36	431.63	458.54	V-THETA 2
	V-THETA 2A	-51.57	-14.32	-3.64	36.11	65.45	V-THETA 2A
	M 2	0.5452	0.5519	0.5179	0.5419	0.5698	M 2
	M 2A	0.2727	0.4006	0.4012	0.4875	0.5246	M 2A
	TURN(PR)	71.936	56.824	53.270	40.056	37.811	TURN(PR)
	P 2	17.047	17.503	17.308	17.887	18.544	P 2
	P 2A	15.511	16.530	16.726	17.721	18.254	P 2A
	T 2	566.698	568.655	579.441	585.314	595.864	T 2
	T 2A	572.528	575.041	583.721	587.694	597.621	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (70°) - Station 2 (71°) - Station 2A (84°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-24.351	-15.737	-13.081	-9.867	-3.472	BETA 1
STATION 2	BETA 2	49.510	50.504	54.544	39.300	37.594	BETA 2
	BETA(PR) 1	67.313	70.461	72.851	70.176	72.622	BETA(PR) 1
	BETA(PR) 2	25.509	34.328	47.665	48.854	51.085	BETA(PR) 2
	V 1	346.27	308.13	296.31	384.71	352.15	V 1
	V 2	651.35	654.20	609.77	648.68	682.07	V 2
	VZ 1	304.81	292.68	287.71	378.98	351.29	VZ 1
	VZ 2	416.65	414.04	353.40	501.97	539.89	VZ 2
	V-THETA 1	-141.21	-83.58	-66.85	-65.92	-21.31	V-THETA 1
	V-THETA 2	488.00	502.35	496.25	410.86	415.68	V-THETA 2
	V(PR) 1	811.7	876.4	976.0	1117.5	1176.3	V(PR) 1
	V(PR) 2	475.0	505.5	525.4	762.9	860.0	V(PR) 2
	VTHETA PR1	-747.8	-824.7	-932.4	-1051.3	-1122.5	VTHETA PR1
	VTHETA PR2	-198.8	-282.7	-387.9	-574.5	-668.7	VTHETA PR2
	U 1	606.59	741.14	865.51	985.35	1101.19	U 1
	U 2	636.61	785.08	884.15	985.35	1084.42	U 2
	M 1	0.3132	0.2781	0.2673	0.3488	0.3186	M 1
	M 2	0.5702	0.5716	0.5277	0.5622	0.5878	M 2
	M(PR) 1	0.7342	0.7911	0.8805	1.0131	1.0643	M(PR) 1
	M(PR) 2	0.4156	0.4417	0.4547	0.6612	0.7412	M(PR) 2
	TURN(PR)	42.332	36.214	25.208	21.320	21.573	TURN(PR)

P 1	12.321	12.080	12.033	12.133	12.100	P 1
P 2	17.269	17.598	17.236	18.133	18.932	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	578.396	580.799	586.696	589.136	599.088	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.552	33.829	37.006	40.183	DIA
STATION 2	BETA 2	49.510	50.504	54.544	39.300	37.594	BETA 2
STATION 2A	BETA 2A	7.143	7.764	6.222	4.432	8.261	BETA 2A
	V 2	651.35	654.20	609.77	648.68	682.07	V 2
	V 2A	606.10	549.13	508.79	620.56	670.17	V 2A
	VZ 2	416.65	414.04	353.40	501.97	539.89	VZ 2
	VZ 2A	598.62	543.23	505.58	618.70	663.06	VZ 2A
	V-THETA 2	488.00	502.35	496.25	410.86	415.68	V-THETA 2
	V-THETA 2A	75.10	74.07	55.12	47.95	96.27	V-THETA 2A
	M 2	0.5702	0.5716	0.5277	0.5622	0.5878	M 2
	M 2A	0.5271	0.4738	0.4354	0.5353	0.5753	M 2A
	TURN(PR)	41.407	42.413	48.252	34.868	29.290	TURN(PR)

P 2	17.269	17.598	17.236	18.133	18.932	P 2
P 2A	17.623	17.195	16.858	18.064	18.618	P 2A
T 2	578.396	580.799	586.696	589.136	599.088	T 2
T 2A	580.845	584.156	589.786	591.381	602.208	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (100°) - Station 2 (101°) - Station 2A (114°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-18.872	-8.452	-6.194	-5.633	-6.004	BETA 1
STATION 2	BETA 2	35.579	36.905	39.796	33.321	32.639	BETA 2
	BETA(PR) 1	59.546	56.268	58.438	60.587	64.528	BETA(PR) 1
	BETA(PR) 2	26.718	37.860	46.976	49.872	53.832	BETA(PR) 2
	V 1	487.23	562.67	574.88	591.14	555.61	V 1
	V 2	709.21	647.41	605.18	639.56	641.93	V 2
	VZ 1	446.23	549.40	569.65	588.21	552.24	VZ 1
	VZ 2	563.55	513.69	464.24	534.42	539.94	VZ 2
	V-THETA 1	-152.53	-81.64	-61.82	-58.02	-58.08	V-THETA 1
	V-THETA 2	403.15	385.76	386.74	351.33	345.83	V-THETA 2
	V(PR) 1	888.9	993.4	1089.3	1197.8	1284.2	V(PR) 1
	V(PR) 2	648.8	655.6	681.2	829.2	915.4	V(PR) 2
	VTHETA PR1	-758.9	-822.8	-927.3	-1043.4	-1159.3	VTHETA PR1
	VTHETA PR2	-283.7	-399.3	-497.4	-634.0	-738.6	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4450	0.5173	0.5292	0.5450	0.5105	M 1
	M 2	0.6199	0.5650	0.5254	0.5582	0.5568	M 2
	M(PR) 1	0.8118	0.9134	1.0027	1.1043	1.1799	M(PR) 1
	M(PR) 2	0.5671	0.5721	0.5914	0.7238	0.7941	M(PR) 2
	TURN(PR)	32.701	18.391	11.454	10.712	10.727	TURN(PR)
	P 1	13.540	14.076	14.173	14.183	13.952	P 1
	P 2	18.775	17.757	17.259	18.141	18.727	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	586.667	581.407	582.693	580.307	587.401	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	35.579	36.905	39.796	33.321	32.639	BETA 2
STATION 2A	BETA 2A	4.450	2.715	2.464	2.091	4.610	BETA 2A
	V 2	709.21	647.41	605.18	639.56	641.93	V 2
	V 2A	703.96	598.23	595.97	618.64	660.01	V 2A
	VZ 2	563.55	513.69	464.24	534.42	539.94	VZ 2
	VZ 2A	698.81	596.58	595.16	618.22	657.73	VZ 2A
	V-THETA 2	403.15	385.76	386.74	351.33	345.83	V-THETA 2
	V-THETA 2A	54.38	28.29	25.61	22.57	53.04	V-THETA 2A
	M 2	0.6199	0.5650	0.5254	0.5582	0.5568	M 2
	M 2A	0.6202	0.5259	0.5236	0.5449	0.5803	M 2A
	TURN(PR)	30.211	33.863	37.258	31.230	27.988	TURN(PR)
	P 2	18.775	17.757	17.259	18.141	18.727	P 2
	P 2A	18.503	17.551	17.601	17.940	18.413	P 2A
	T 2	586.667	581.407	582.693	580.307	587.401	T 2
	T 2A	577.397	568.386	568.659	568.297	574.608	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (130°) - Station 2 (131°) - Station 2A (144°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-4.452	-1.940	-1.444	-1.179	-1.209	BETA 1
STATION 2	BETA 2	34.367	29.865	29.670	27.162	29.122	BETA 2
	BETA(PR) 1	55.962	54.600	57.180	60.586	64.212	BETA(PR) 1
	BETA(PR) 2	27.409	37.248	44.508	50.792	53.285	BETA(PR) 2
	V 1	449.59	547.18	569.50	562.24	537.97	V 1
	V 2	708.76	684.56	656.69	636.90	654.85	V 2
	VZ 1	432.33	539.69	567.44	562.05	537.53	VZ 1
	VZ 2	571.20	588.27	569.44	566.66	571.36	VZ 2
	V-THETA 1	-33.66	-18.28	-14.30	-11.57	-11.34	V-THETA 1
	V-THETA 2	390.62	337.79	324.41	290.75	318.30	V-THETA 2
	V(PR) 1	781.5	935.8	1047.9	1144.5	1235.7	V(PR) 1
	V(PR) 2	661.4	744.7	799.6	896.4	956.3	V(PR) 2
	VTHETA PR1	-640.0	-759.4	-879.8	-996.9	-1112.5	VTHETA PR1
	VTHETA PR2	-296.2	-447.3	-559.7	-694.6	-766.1	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4094	0.5024	0.5239	0.5169	0.4935	M 1
	M 2	0.6325	0.6123	0.5859	0.5662	0.5791	M 2
	M(PR) 1	0.7116	0.8592	0.9641	1.0522	1.1335	M(PR) 1
	M(PR) 2	0.5903	0.6661	0.7134	0.7969	0.8457	M(PR) 2
	TURN(PR)	28.387	17.327	12.662	9.791	10.958	TURN(PR)
	P 1	13.578	14.112	14.172	14.168	14.087	P 1
	P 2	18.402	18.434	18.340	18.316	18.602	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	564.386	559.150	558.765	560.438	567.845	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	34.367	29.865	29.670	27.162	29.122	BETA 2
STATION 2A	BETA 2A	5.803	4.862	4.199	3.140	5.481	BETA 2A
	V 2	708.76	684.56	656.69	636.90	654.85	V 2
	V 2A	718.73	667.72	651.17	653.47	676.53	V 2A
	VZ 2	571.20	588.27	569.44	566.66	571.36	VZ 2
	VZ 2A	711.97	664.24	649.14	652.49	673.28	VZ 2A
	V-THETA 2	390.62	337.79	324.41	290.75	318.30	V-THETA 2
	V-THETA 2A	72.36	56.50	47.66	35.79	64.60	V-THETA 2A
	M 2	0.6325	0.6123	0.5859	0.5662	0.5791	M 2
	M 2A	0.6427	0.5962	0.5797	0.5811	0.5986	M 2A
	TURN(PR)	27.667	24.713	25.407	24.022	23.603	TURN(PR)
	P 2	18.402	18.434	18.340	18.316	18.602	P 2
	P 2A	18.272	18.092	18.030	18.082	18.294	P 2A
	T 2	564.386	559.150	558.765	560.438	567.845	T 2
	T 2A	563.498	559.089	560.452	561.859	569.653	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (160°) - Station 2 (161°) - Station 2A (174°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-2.367	-1.166	-1.114	-1.881	-1.109	BETA 1
STATION 2	BETA 2	35.210	31.002	30.726	29.818	28.460	BETA 2
	BETA(PR) 1	52.142	53.300	57.075	60.474	64.109	BETA(PR) 1
	BETA(PR) 2	28.856	39.788	46.174	54.124	56.116	BETA(PR) 2
	V 1	505.42	568.53	569.60	569.02	539.98	V 1
	V 2	684.78	644.56	629.85	580.69	608.05	V 2
	VZ 1	487.00	560.95	567.60	568.65	539.56	VZ 1
	VZ 2	546.52	547.59	540.37	503.81	533.91	VZ 2
	V-THETA 1	-20.13	-11.42	-11.04	-18.68	-10.44	V-THETA 1
	V-THETA 2	385.67	329.05	321.18	288.74	289.40	V-THETA 2
	V(PR) 1	804.7	943.1	1045.3	1153.9	1235.8	V(PR) 1
	V(PR) 2	641.0	717.7	781.3	859.7	958.1	V(PR) 2
	VTHETA PR1	-626.5	-752.6	-876.5	-1004.0	-1111.6	VTHETA PR1
	VTHETA PR2	-301.1	-456.0	-563.0	-696.6	-795.0	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4623	0.5230	0.5240	0.5235	0.4954	M 1
	M 2	0.6118	0.5752	0.5609	0.5138	0.5365	M 2
	M(PR) 1	0.7361	0.8676	0.9617	1.0616	1.1338	M(PR) 1
	M(PR) 2	0.5727	0.6405	0.6958	0.7607	0.8454	M(PR) 2
	TURN(PR)	23.107	13.488	10.891	6.347	8.022	TURN(PR)
	P 1	13.935	14.188	14.191	14.206	14.131	P 1
	P 2	18.146	18.084	18.190	17.740	18.139	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	560.362	557.177	557.841	559.572	565.368	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	35.210	31.002	30.726	29.818	28.460	BETA 2
STATION 2A	BETA 2A	3.258	2.770	2.170	0.851	4.184	BETA 2A
	V 2	684.78	644.56	629.85	580.69	608.05	V 2
	V 2A	723.74	672.00	664.98	626.55	667.81	V 2A
	VZ 2	546.52	547.59	540.37	503.81	533.91	VZ 2
	VZ 2A	719.44	670.12	664.21	626.48	665.88	VZ 2A
	V-THETA 2	385.67	329.05	321.18	288.74	289.40	V-THETA 2
	V-THETA 2A	40.95	32.42	25.17	9.31	48.71	V-THETA 2A
	M 2	0.6118	0.5752	0.5609	0.5138	0.5365	M 2
	M 2A	0.6487	0.6003	0.5936	0.5566	0.5924	M 2A
	TURN(PR)	31.034	27.932	28.490	28.967	24.238	TURN(PR)
	P 2	18.146	18.084	18.190	17.740	18.139	P 2
	P 2A	18.119	17.947	18.036	17.565	18.000	P 2A
	T 2	560.362	557.177	557.841	559.572	565.368	T 2
	T 2A	561.578	559.109	559.097	560.031	566.030	T 2A

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Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (190°) - Station 2 (191°) - Station 2A (204°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.8	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.304	0.346	0.481	0.683	0.945	BETA 1
STATION 2	BETA 2	32.825	28.897	26.825	25.904	27.331	BETA 2
	BETA(PR) 1	51.956	52.953	56.967	60.088	64.112	BETA(PR) 1
	BETA(PR) 2	27.583	36.919	44.673	52.632	54.698	BETA(PR) 2
	V 1	490.04	564.34	561.61	563.13	530.57	V 1
	V 2	717.64	694.47	664.43	610.22	633.58	V 2
	VZ 1	472.54	556.91	559.73	563.02	530.18	VZ 1
	VZ 2	588.29	602.38	591.67	548.91	562.14	VZ 2
	V-THETA 1	2.51	3.36	4.70	6.71	8.75	V-THETA 1
	V-THETA 2	379.49	332.49	299.20	266.58	290.53	V-THETA 2
	V(PR) 1	777.7	928.9	1027.8	1129.1	1214.4	V(PR) 1
	V(PR) 2	682.2	759.3	833.1	904.4	973.3	V(PR) 2
	VTHETA PR1	-603.9	-737.8	-860.8	-978.6	-1092.4	VTHETA PR1
	VTHETA PR2	-307.3	-452.6	-585.0	-718.8	-793.9	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4477	0.5189	0.5163	0.5178	0.4864	M 1
	M 2	0.6416	0.6209	0.5920	0.5415	0.5596	M 2
	M(PR) 1	0.7104	0.8541	0.9449	1.0381	1.1133	M(PR) 1
	M(PR) 2	0.6099	0.6789	0.7423	0.8025	0.8596	M(PR) 2
	TURN(PR)	24.168	16.000	12.283	7.453	9.443	TURN(PR)

P 1	13.743	14.147	14.186	14.216	14.118	P 1
P 2	18.301	18.405	18.314	17.786	18.144	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	563.632	560.838	561.000	559.566	566.937	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	32.825	28.897	26.825	25.904	27.331	BETA 2
STATION 2A	BETA 2A	5.403	4.586	4.002	2.686	5.046	BETA 2A
	V 2	717.64	694.47	664.43	610.22	633.58	V 2
	V 2A	736.99	689.15	678.42	635.03	674.76	V 2A
	VZ 2	588.29	602.38	591.67	548.91	562.14	VZ 2
	VZ 2A	730.56	685.83	676.48	634.32	671.99	VZ 2A
	V-THETA 2	379.49	332.49	299.20	266.58	290.53	V-THETA 2
	V-THETA 2A	69.10	55.01	47.33	29.76	59.34	V-THETA 2A
	M 2	0.6416	0.6209	0.5920	0.5415	0.5596	M 2
	M 2A	0.6605	0.6161	0.6052	0.5646	0.5982	M 2A
	TURN(PR)	26.545	24.027	22.763	23.218	22.249	TURN(PR)

P 2	18.301	18.405	18.314	17.786	18.144	P 2
P 2A	18.147	18.007	18.032	17.510	17.919	P 2A
T 2	563.632	560.838	561.000	559.566	566.937	T 2
T 2A	563.376	560.340	561.228	560.059	567.378	T 2A

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Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (220°) - Station 2 (221°) - Station 2A (234°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.015	0.218	-0.950	0.250	1.014	BETA 1
STATION 2	BETA 2	35.081	31.221	29.593	28.671	28.216	BETA 2
	BETA(PR) 1	52.480	52.507	56.673	59.929	63.770	BETA(PR) 1
	BETA(PR) 2	28.669	39.082	46.874	55.210	57.379	BETA(PR) 2
	V 1	482.77	574.45	577.39	569.15	538.30	V 1
	V 2	687.92	653.05	622.92	565.44	587.05	V 2
	VZ 1	465.54	566.89	575.40	569.08	537.89	VZ 1
	VZ 2	549.85	553.55	540.57	496.10	516.65	VZ 2
	V-THETA 1	0.12	2.16	-9.54	2.48	9.52	V-THETA 1
	V-THETA 2	386.17	335.52	307.00	271.28	277.21	V-THETA 2
	V(PR) 1	775.0	936.0	1048.3	1135.8	1217.1	V(PR) 1
	V(PR) 2	643.8	718.3	791.8	869.5	958.8	V(PR) 2
	VTHETA PR1	-606.3	-739.0	-875.0	-982.9	-1091.7	VTHETA PR1
	VTHETA PR2	-300.6	-449.6	-577.2	-714.1	-807.2	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4408	0.5287	0.5316	0.5236	0.4938	M 1
	M 2	0.6145	0.5829	0.5537	0.5004	0.5178	M 2
	M(PR) 1	0.7076	0.8615	0.9652	1.0449	1.1165	M(PR) 1
	M(PR) 2	0.5751	0.6412	0.7038	0.7695	0.8458	M(PR) 2
	TURN(PR)	23.631	13.397	9.787	4.716	6.419	TURN(PR)
	P 1	13.739	14.170	14.207	14.200	14.097	P 1
	P 2	18.082	18.110	17.971	17.360	17.743	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	560.882	557.819	559.053	558.035	563.560	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	35.081	31.221	29.593	28.671	28.216	BETA 2
STATION 2A	BETA 2A	3.043	2.457	1.839	0.462	3.762	BETA 2A
	V 2	687.92	653.05	622.92	565.44	587.05	V 2
	V 2A	722.27	682.03	666.82	619.77	664.00	V 2A
	VZ 2	549.85	553.55	540.57	496.10	516.65	VZ 2
	VZ 2A	718.12	680.29	666.18	619.74	662.42	VZ 2A
	V-THETA 2	386.17	335.52	307.00	271.28	277.21	V-THETA 2
	V-THETA 2A	38.18	29.19	21.39	5.00	43.56	V-THETA 2A
	M 2	0.6145	0.5829	0.5537	0.5004	0.5178	M 2
	M 2A	0.6478	0.6111	0.5958	0.5514	0.5903	M 2A
	TURN(PR)	31.120	28.462	27.689	28.209	24.417	TURN(PR)
	P 2	18.082	18.110	17.971	17.360	17.743	P 2
	P 2A	17.992	17.947	17.925	17.352	17.812	P 2A
	T 2	560.882	557.819	559.053	558.035	563.560	T 2
	T 2A	560.806	557.181	558.253	557.752	563.224	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (250°) - Station 2 (251°) - Station 2A (264°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	2.570	2.152	2.125	1.686	1.484	BETA 1
STATION 2	BETA 2	32.513	29.499	27.665	26.797	28.626	BETA 2
	BETA(PR) 1	51.505	52.332	56.363	60.410	64.145	BETA(PR) 1
	BETA(PR) 2	27.256	36.842	44.447	52.938	54.586	BETA(PR) 2
	V 1	483.33	563.83	564.23	550.65	527.53	V 1
	V 2	724.53	692.27	664.65	603.51	633.61	V 2
	VZ 1	465.64	556.04	561.97	550.34	527.03	VZ 1
	VZ 2	595.91	597.03	587.43	536.69	555.48	VZ 2
	V-THETA 1	20.90	20.89	20.85	16.20	13.65	V-THETA 1
	V-THETA 2	379.83	337.77	307.95	272.08	303.18	V-THETA 2
	V(PR) 1	758.9	914.5	1015.6	1114.5	1208.7	V(PR) 1
	V(PR) 2	689.1	751.8	824.0	893.8	959.1	V(PR) 2
	VTHETA PR1	-585.5	-720.2	-844.7	-969.1	-1087.5	VTHETA PR1
	VTHETA PR2	-307.0	-447.3	-576.2	-713.3	-781.2	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4413	0.5184	0.5188	0.5057	0.4834	M 1
	M 2	0.6500	0.6205	0.5938	0.5364	0.5610	M 2
	M(PR) 1	0.6929	0.8408	0.9338	1.0236	1.1077	M(PR) 1
	M(PR) 2	0.6183	0.6739	0.7361	0.7945	0.8491	M(PR) 2
	TURN(PR)	24.033	15.454	11.905	7.468	9.588	TURN(PR)

P 1	13.805	14.189	14.236	14.133	14.083	P 1
P 2	18.310	18.340	18.258	17.638	18.165	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	560.744	557.904	558.240	557.116	564.379	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	32.513	29.499	27.665	26.797	28.626	BETA 2
STATION 2A	BETA 2A	5.296	4.178	3.768	2.451	5.192	BETA 2A
	V 2	724.53	692.27	664.65	603.51	633.61	V 2
	V 2A	714.49	669.78	658.19	619.99	666.85	V 2A
	VZ 2	595.91	597.03	587.43	538.69	555.48	VZ 2
	VZ 2A	708.38	666.91	656.48	619.42	663.96	VZ 2A
	V-THETA 2	379.83	337.77	307.95	272.08	303.18	V-THETA 2
	V-THETA 2A	65.66	48.72	43.23	26.51	60.33	V-THETA 2A
	M 2	0.6500	0.6205	0.5938	0.5364	0.5610	M 2
	M 2A	0.6410	0.5987	0.5874	0.5516	0.5921	M 2A
	TURN(PR)	26.344	25.032	23.836	24.346	23.397	TURN(PR)

P 2	18.310	18.340	18.258	17.638	18.165	P 2
P 2A	18.025	17.939	17.943	17.488	17.969	P 2A
T 2	560.744	557.904	558.240	557.116	564.379	T 2
T 2A	559.585	558.282	558.655	557.864	564.961	T 2A

OVERALL PERFORMANCE

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (280°) - Station 2 (281°) - Station 2A (294°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	2.987	1.859	1.600	2.196	3.119	BETA 1
STATION 2	BETA 2	36.998	31.920	31.577	29.684	29.570	BETA 2
	BETA(PR) 1	50.386	52.542	56.583	59.965	63.343	BETA(PR) 1
	BETA(PR) 2	28.462	38.742	46.356	54.389	56.402	BETA(PR) 2
	V 1	499.56	561.73	562.81	557.81	539.22	V 1
	V 2	678.82	654.65	625.22	576.83	602.28	V 2
	VZ 1	481.12	554.06	560.73	557.33	538.09	VZ 1
	VZ 2	530.11	550.83	531.62	501.13	523.20	VZ 2
	V-THETA 1	25.11	17.98	15.66	21.37	29.32	V-THETA 1
	V-THETA 2	399.44	343.13	326.76	285.65	296.86	V-THETA 2
	V(PR) 1	766.0	915.5	1019.2	1113.5	1199.5	V(PR) 1
	V(PR) 2	619.5	711.4	771.2	860.6	946.0	V(PR) 2
	VTHETA PR1	-581.3	-723.2	-849.8	-964.0	-1071.9	VTHETA PR1
	VTHETA PR2	-287.4	-442.0	-557.4	-699.7	-787.6	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4567	0.5164	0.5175	0.5126	0.4947	M 1
	M 2	0.6079	0.5849	0.5566	0.5111	0.5318	M 2
	M(PR) 1	0.7003	0.8417	0.9371	1.0233	1.1004	M(PR) 1
	M(PR) 2	0.5548	0.6356	0.6866	0.7626	0.8353	M(PR) 2
	TURN(PR)	21.723	13.771	10.216	5.573	6.969	TURN(PR)
	P 1	13.842	14.168	14.201	14.215	14.065	P 1
	P 2	17.980	18.127	18.004	17.504	17.966	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	557.329	557.050	557.705	557.745	564.018	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	36.998	31.920	31.577	29.684	29.570	BETA 2
STATION 2A	BETA 2A	3.045	1.937	1.339	-0.264	3.850	BETA 2A
	V 2	678.82	654.65	625.22	576.83	602.28	V 2
	V 2A	674.68	641.03	627.74	591.96	636.47	V 2A
	VZ 2	530.11	550.83	531.62	501.13	523.20	VZ 2
	VZ 2A	670.81	639.61	627.30	591.95	634.89	VZ 2A
	V-THETA 2	399.44	343.13	326.76	285.65	296.86	V-THETA 2
	V-THETA 2A	35.68	21.63	14.66	-2.73	42.73	V-THETA 2A
	M 2	0.6079	0.5849	0.5566	0.5111	0.5318	M 2
	M 2A	0.6035	0.5718	0.5587	0.5246	0.5631	M 2A
	TURN(PR)	33.014	29.676	30.170	29.948	25.682	TURN(PR)
	P 2	17.980	18.127	18.004	17.504	17.966	P 2
	P 2A	17.934	17.916	17.894	17.464	17.944	P 2A
	T 2	557.329	557.050	557.705	557.745	564.018	T 2
	T 2A	558.086	557.342	558.153	559.155	565.493	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (310°) - Station 2 (311°) - Station 2A (324°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	11.096	7.017	5.651	5.117	5.145	BETA 1
STATION 2	BETA 2	36.597	33.025	31.296	30.670	31.178	BETA 2
	BETA(PR) 1	49.944	51.898	56.372	59.792	63.678	BETA(PR) 1
	BETA(PR) 2	26.045	36.089	43.397	51.032	53.524	BETA(PR) 2
	V 1	461.90	541.02	544.53	547.50	523.97	V 1
	V 2	710.71	684.85	667.37	626.23	648.20	V 2
	VZ 1	437.66	530.01	540.11	545.25	521.55	VZ 1
	VZ 2	557.80	569.33	569.15	538.63	553.92	VZ 2
	V-THETA 1	85.83	65.24	53.44	48.83	46.96	V-THETA 1
	V-THETA 2	414.21	370.08	345.99	319.43	335.18	V-THETA 2
	V(PR) 1	690.6	863.3	976.3	1083.7	1176.3	V(PR) 1
	V(PR) 2	638.6	710.1	784.4	856.5	932.3	V(PR) 2
	VTHETA PR1	-520.6	-675.9	-812.1	-936.5	-1054.2	VTHETA PR1
	VTHETA PR2	-272.6	-415.0	-538.2	-665.9	-749.2	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4210	0.4964	0.4998	0.5027	0.4800	M 1
	M 2	0.6391	0.6144	0.5969	0.5576	0.5742	M 2
	M(PR) 1	0.6295	0.7921	0.8961	0.9950	1.0777	M(PR) 1
	M(PR) 2	0.5743	0.6371	0.7016	0.7626	0.8259	M(PR) 2
	TURN(PR)	23.648	15.769	12.964	8.757	10.184	TURN(PR)

	P 1	13.808	14.106	14.171	14.204	14.120	P 1
	P 2	17.995	18.077	18.154	17.838	18.188	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.759	556.173	557.272	557.633	565.319	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	36.597	33.025	31.296	30.670	31.178	BETA 2
STATION 2A	BETA 2A	5.688	3.917	3.515	1.817	5.366	BETA 2A
	V 2	710.71	684.85	667.37	626.23	648.20	V 2
	V 2A	631.91	604.60	589.41	573.95	612.47	V 2A
	VZ 2	557.80	569.33	569.15	538.63	553.92	VZ 2
	VZ 2A	626.10	602.21	588.05	573.65	609.65	VZ 2A
	V-THETA 2	414.21	370.08	345.99	319.43	335.18	V-THETA 2
	V-THETA 2A	62.36	41.23	36.12	18.20	57.26	V-THETA 2A
	M 2	0.6391	0.6144	0.5969	0.5576	0.5742	M 2
	M 2A	0.5656	0.5402	0.5252	0.5103	0.5425	M 2A
	TURN(PR)	29.985	28.799	27.715	28.853	25.773	TURN(PR)

	P 2	17.995	18.077	18.154	17.838	18.188	P 2
	P 2A	17.727	17.734	17.666	17.536	17.891	P 2A
	T 2	556.759	556.173	557.272	557.633	565.319	T 2
	T 2A	552.712	551.823	553.085	553.880	561.642	T 2A

Table 3. Solid Shroud Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (340°) - Station 2 (341°) - Station 2A (354°)

PERCENT EQUIVALENT DESIGN SPEED = 100.88 EQUIVALENT ROTOR SPEED = 6103.39 CORRECTED WEIGHT FLOW = 259.30

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	25.556	15.226	12.672	10.458	11.761	BETA 1
STATION 2	BETA 2	46.149	41.996	40.098	39.971	38.258	BETA 2
	BETA(PR) 1	42.238	50.207	52.526	55.728	59.863	BETA(PR) 1
	BETA(PR) 2	34.602	44.748	51.268	59.212	59.977	BETA(PR) 2
	V 1	499.56	528.03	581.93	606.58	582.92	V 1
	V 2	582.59	562.23	554.22	510.91	548.78	V 2
	VZ 1	437.47	503.25	565.96	596.43	570.36	VZ 1
	VZ 2	396.81	415.05	423.29	391.54	430.49	VZ 2
	V-THETA 1	209.19	136.98	127.25	110.09	118.75	V-THETA 1
	V-THETA 2	413.05	373.66	356.42	328.21	339.47	V-THETA 2
	V(PR) 1	603.0	790.6	931.4	1059.2	1136.2	V(PR) 1
	V(PR) 2	493.7	588.0	677.2	764.9	860.7	V(PR) 2
	VTHETA PR1	-397.2	-604.2	-738.3	-875.3	-982.4	VTHETA PR1
	VTHETA PR2	-273.8	-411.4	-527.7	-657.1	-744.9	VTHETA PR2
	U 1	606.39	741.14	865.51	985.35	1101.19	U 1
	U 2	686.81	785.08	884.15	985.35	1084.42	U 2
	M 1	0.4567	0.4839	0.5360	0.5601	0.5370	M 1
	M 2	0.5183	0.5011	0.4929	0.4526	0.4845	M 2
	M(PR) 1	0.5513	0.7246	0.8579	0.9781	1.0467	M(PR) 1
	M(PR) 2	0.4393	0.5240	0.6023	0.6777	0.7598	M(PR) 2
	TURN(PR)	7.527	5.431	1.241	-3.488	-0.089	TURN(PR)

P 1	13.557	13.436	13.855	13.990	13.951	P 1
P 2	16.691	16.937	17.056	16.823	17.239	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	553.995	550.297	551.686	551.947	559.105	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	46.149	41.996	40.098	39.971	38.258	BETA 2
STATION 2A	BETA 2A	-2.229	4.286	2.868	-0.895	4.243	BETA 2A
	V 2	582.59	562.23	554.22	510.91	548.78	V 2
	V 2A	418.90	486.30	526.65	503.33	599.95	V 2A
	VZ 2	396.81	415.05	423.29	391.54	430.49	VZ 2
	VZ 2A	416.77	484.15	525.76	503.26	598.17	VZ 2A
	V-THETA 2	413.05	373.66	356.42	328.21	339.47	V-THETA 2
	V-THETA 2A	-16.22	36.28	26.34	-7.86	44.38	V-THETA 2A
	M 2	0.5183	0.5011	0.4929	0.4526	0.4845	M 2
	M 2A	0.3680	0.4310	0.4653	0.4420	0.5273	M 2A
	TURN(PR)	47.373	37.373	37.156	40.866	33.971	TURN(PR)

P 2	16.691	16.937	17.056	16.823	17.239	P 2
P 2A	15.968	16.721	17.251	17.128	18.135	P 2A
T 2	553.995	550.297	551.686	551.947	559.105	T 2
T 2A	553.837	549.571	556.162	560.859	568.783	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 69.28 EQUIVALENT ROTOR SPEED = 4191.61 CORRECTED WEIGHT FLOW = 115.76

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.837	1.839	1.839	1.840	1.846	BETA 1
STATION 2	BETA 2	53.310	59.950	65.480	55.400	51.400	BETA 2
	BETA(PR) 1	64.081	66.644	70.244	72.002	74.706	BETA(PR) 1
	BETA(PR) 2	28.085	44.021	50.139	50.083	53.559	BETA(PR) 2
	V 1	206.76	219.79	211.85	217.72	205.22	V 1
	V 2	426.25	400.75	431.81	450.58	458.18	V 2
	VZ 1	199.28	216.79	211.04	217.58	204.99	VZ 1
	VZ 2	251.47	200.07	179.12	255.86	285.67	VZ 2
	V-THETA 1	6.39	6.96	6.78	6.99	6.61	V-THETA 1
	V-THETA 2	337.50	345.83	392.68	370.89	357.85	V-THETA 2
	V(PR) 1	459.2	548.0	624.6	704.2	777.2	V(PR) 1
	V(PR) 2	292.9	280.0	279.8	398.7	481.2	V(PR) 2
	VTHETA PR1	-410.1	-502.0	-587.6	-669.7	-749.7	VTHETA PR1
	VTHETA PR2	-134.2	-193.3	-214.5	-305.8	-386.9	VTHETA PR2
	U 1	416.45	508.99	594.40	676.71	756.26	U 1
	U 2	471.68	539.17	607.21	676.71	744.74	U 2
	M 1	0.1858	0.1976	0.1905	0.1958	0.1845	M 1
	M 2	0.3776	0.3542	0.3808	0.3963	0.3988	M 2
	M(PR) 1	0.4127	0.4928	0.5615	0.6332	0.6985	M(PR) 1
	M(PR) 2	0.2595	0.2474	0.2467	0.3507	0.4189	M(PR) 2
	TURN(PR)	35.987	22.691	20.120	21.917	21.183	TURN(PR)
	UUBAR	0.0873	0.3164	0.4344	0.3183	0.2959	UUBAR
	LOSS PARA	0.0271	0.0862	0.1142	0.0896	0.0819	LOSS PARA
	DFAC	0.6323	0.7305	0.8082	0.6604	0.5898	DFAC
	EFFP	0.9195	0.8366	0.8023	0.7996	0.6311	EFFP
	EFF	0.9177	0.8331	0.7975	0.7941	0.6207	EFF
	INCID	14.653	13.367	13.584	12.000	11.298	INCID
	DEVM	8.466	11.176	7.964	1.483	0.615	DEVM
	P 1	14.677	14.723	14.709	14.697	14.682	P 1
	P 2	17.259	17.126	17.399	17.740	17.852	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	545.480	546.180	550.670	554.770	566.700	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	53.310	59.950	65.480	55.400	51.400	BETA 2
STATION 2A	BETA 2A	8.310	1.470	-14.080	-4.650	7.670	BETA 2A
	V 2	426.25	400.75	431.81	450.58	458.18	V 2
	V 2A	313.49	267.18	271.79	334.84	377.28	V 2A
	VZ 2	251.47	200.07	179.12	255.86	285.67	VZ 2
	VZ 2A	308.88	266.65	263.51	333.73	373.82	VZ 2A
	V-THETA 2	337.50	345.83	392.68	370.89	357.85	V-THETA 2
	V-THETA 2A	45.12	6.84	-66.09	-27.14	50.34	V-THETA 2A
	M 2	0.3776	0.3542	0.3808	0.3963	0.3988	M 2
	M 2A	0.2759	0.2345	0.2376	0.2926	0.3269	M 2A
	TURN(PR)	44.077	58.182	79.496	60.050	43.687	TURN(PR)
	UUBAR	0.1496	0.2004	0.2976	0.2907	0.1950	UUBAR
	LOSS PARA	0.0583	0.0834	0.1300	0.1366	0.0947	LOSS PARA
	DFAC	0.5233	0.6785	0.8460	0.6734	0.5093	DFAC
	EFFP	0.6898	0.6543	0.5313	0.4062	0.4747	EFFP
	INCID	11.451	22.449	30.722	21.400	15.355	INCID
	DEVM	16.975	8.968	-6.574	3.350	16.568	DEVM
	P 2	17.259	17.126	17.399	17.740	17.352	P 2
	P 2A	17.017	16.841	16.906	17.210	17.491	P 2A
	T 2	545.480	546.180	550.670	554.770	566.700	T 2
	T 2A	545.480	546.170	550.590	554.270	566.100	T 2A
	P21	17.229	17.204	17.299	17.746	17.846	P21
	UUBAR	0.1340	0.2421	0.2527	0.2934	0.1928	UUBAR
	LOSS PARA	0.0522	0.1007	0.1103	0.1378	0.0936	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 69.28 EQUIVALENT ROTOR SPEED = 4191.46 CORRECTED WEIGHT FLOW = 139.95

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.803	1.578	1.350	1.178	1.143	BETA 1
STATION 2	BETA 2	51.310	52.790	53.050	46.950	44.170	BETA 2
	BETA(PR) 1	62.334	63.929	66.630	68.305	71.184	BETA(PR) 1
	BETA(PR) 2	28.054	41.039	47.771	49.850	54.991	BETA(PR) 2
	V 1	222.83	249.07	255.17	267.11	256.15	V 1
	V 2	429.44	409.39	415.87	439.41	433.13	V 2
	VZ 1	214.78	245.71	254.26	267.02	255.94	VZ 1
	VZ 2	264.75	246.47	249.75	299.96	310.42	VZ 2
	V-THETA 1	6.76	6.77	5.99	5.49	5.11	V-THETA 1
	V-THETA 2	330.58	324.60	332.03	321.10	301.55	V-THETA 2
	V(PR) 1	466.3	560.5	641.3	722.4	793.6	V(PR) 1
	V(PR) 2	308.3	329.0	372.0	465.2	541.4	V(PR) 2
	VTHETA PR1	-409.7	-502.2	-588.4	-671.2	-751.1	VTHETA PR1
	VTHETA PR2	-141.1	-214.6	-275.2	-355.6	-443.2	VTHETA PR2
	U 1	416.43	508.97	594.38	676.68	756.24	U 1
	U 2	471.66	539.15	607.18	676.68	744.71	U 2
	M 1	0.2004	0.2242	0.2298	0.2406	0.2307	M 1
	M 2	0.3820	0.3634	0.3683	0.3888	0.3806	M 2
	M(PR) 1	0.4194	0.5046	0.5775	0.6508	0.7146	M(PR) 1
	M(PR) 2	0.2742	0.2921	0.3295	0.4116	0.4757	M(PR) 2
	TURN(PR)	34.233	22.932	18.866	18.454	16.226	TURN(PR)
	UUBAR	0.0920	0.2217	0.2817	0.2105	0.1663	UUBAR
	LOSS PARA	0.0286	0.0634	0.0776	0.0595	0.0445	LOSS PARA
	DFAC	0.5991	0.6343	0.6306	0.5476	0.4905	DFAC
	EFFP	1.0554	0.9916	0.9135	0.9343	0.8094	EFFP
	EFF	1.0566	0.9914	0.9115	0.9326	0.8042	EFF
	INCID	12.868	10.629	9.960	8.303	7.773	INCID
	DEVM	8.435	8.197	5.595	1.249	2.048	DEVM
	P 1	14.659	14.716	14.727	14.705	14.699	P 1
	P 2	17.165	17.140	17.243	17.576	17.772	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.350	542.000	544.930	547.780	554.650	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	51.310	52.790	53.050	46.950	44.170	BETA 2
STATION 2A	BETA 2A	7.120	4.410	2.430	4.760	6.150	BETA 2A
	V 2	429.44	409.39	415.87	439.41	433.13	V 2
	V 2A	317.27	284.91	300.73	347.76	390.37	V 2A
	VZ 2	264.75	246.47	249.75	299.96	310.42	VZ 2
	VZ 2A	313.48	283.60	300.33	346.56	388.03	VZ 2A
	V-THETA 2	330.58	324.60	332.03	321.10	301.55	V-THETA 2
	V-THETA 2A	39.16	21.87	12.75	28.86	41.81	V-THETA 2A
	M 2	0.3820	0.3634	0.3683	0.3888	0.3806	M 2
	M 2A	0.2804	0.2512	0.2647	0.3060	0.3422	M 2A
	TURN(PR)	43.245	48.053	50.547	42.190	37.975	TURN(PR)
	UUBAR	0.0680	0.1306	0.1097	0.1279	0.0828	UUBAR
	LOSS PARA	0.0265	0.0543	0.0494	0.0601	0.0403	LOSS PARA
	DFAC	0.5175	0.6052	0.6192	0.5221	0.3951	DFAC
	EFFP	0.8595	0.7601	0.7866	0.7079	0.6592	EFFP
	INCID	9.435	15.256	18.276	12.950	8.124	INCID
	DEVM	15.790	11.903	9.929	12.760	15.049	DEVM
	P 2	17.165	17.140	17.243	17.576	17.772	P 2
	P 2A	17.054	16.945	17.074	17.354	17.632	P 2A
	T 2	541.350	542.000	544.930	547.780	554.650	T 2
	T 2A	541.340	541.980	544.880	547.500	554.300	T 2A
	P21	17.169	17.119	17.315	17.512	17.698	P21
	UUBAR	0.0679	0.1157	0.1475	0.0921	0.0387	UUBAR
	LOSS PARA	0.0264	0.0481	0.0664	0.0432	0.0188	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 69.52 EQUIVALENT ROTOR SPEED = 4205.79 CORRECTED WEIGHT FLOW = 161.81

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.150	0.770	0.640	0.800	0.890	BETA 1
STATION 2	BETA 2	47.350	46.300	42.700	38.500	37.350	BETA 2
	BETA(PR) 1	60.406	60.133	62.757	64.996	68.288	BETA(PR) 1
	BETA(PR) 2	28.562	39.361	45.879	51.249	55.414	BETA(PR) 2
	V 1	243.37	294.94	306.36	314.69	300.52	V 1
	V 2	435.59	421.92	424.90	425.01	425.10	V 2
	VZ 1	234.64	291.04	305.33	314.62	300.30	VZ 1
	VZ 2	290.37	289.81	311.81	332.61	337.59	VZ 2
	V-THETA 1	4.71	3.91	3.41	4.39	4.67	V-THETA 1
	V-THETA 2	315.22	303.27	287.73	264.57	257.64	V-THETA 2
	V(PR) 1	479.5	586.4	667.5	744.4	811.8	V(PR) 1
	V(PR) 2	339.7	377.6	448.5	531.4	595.0	V(PR) 2
	VTHETA PR1	-413.1	-506.8	-593.0	-674.6	-754.2	VTHETA PR1
	VTHETA PR2	-158.1	-237.7	-321.5	-414.4	-489.6	VTHETA PR2
	U 1	417.86	510.71	596.41	678.99	758.82	U 1
	U 2	473.28	540.99	609.26	678.99	747.26	U 2
	M 1	0.2190	0.2661	0.2765	0.2842	0.2712	M 1
	M 2	0.3873	0.3751	0.3771	0.3760	0.3740	M 2
	M(PR) 1	0.4315	0.5289	0.6024	0.6721	0.7325	M(PR) 1
	M(PR) 2	0.3020	0.3357	0.3980	0.4701	0.5235	M(PR) 2
	TURN(PR)	31.770	20.782	16.877	13.744	12.905	TURN(PR)
	UUBAR	0.0982	0.1899	0.1649	0.1141	0.0948	UUBAR
	LOSS PARA	0.0304	0.0556	0.0471	0.0313	0.0251	LOSS PARA
	DFAC	0.5342	0.5553	0.5046	0.4394	0.4111	DFAC
	EFFP	0.9630	0.9715	0.9367	0.8808	0.7983	EFFP
	EFF	0.9622	0.9709	0.9353	0.8780	0.7931	EFF
	INCID	10.904	6.804	6.079	4.994	4.876	INCID
	DEVM	8.934	6.523	3.702	2.649	2.471	DEVM
	P 1	14.590	14.722	14.737	14.722	14.696	P 1
	P 2	16.953	17.014	17.175	17.322	17.549	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.320	541.250	543.500	546.800	552.700	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	47.350	46.300	42.700	38.500	37.350	BETA 2
STATION 2A	BETA 2A	6.800	4.900	4.120	5.000	5.100	BETA 2A
	V 2	435.59	421.92	424.90	425.01	425.10	V 2
	V 2A	348.92	326.32	342.12	384.22	423.55	V 2A
	VZ 2	290.37	289.81	311.81	332.61	337.59	VZ 2
	VZ 2A	344.99	324.60	341.09	382.75	421.77	VZ 2A
	V-THETA 2	315.22	303.27	287.73	264.57	257.64	V-THETA 2
	V-THETA 2A	41.14	27.83	24.57	33.49	37.64	V-THETA 2A
	M 2	0.3873	0.3751	0.3771	0.3760	0.3740	M 2
	M 2A	0.3086	0.2885	0.3021	0.3391	0.3727	M 2A
	TURN(PR)	39.586	41.062	38.505	33.500	32.207	TURN(PR)
	UUBAR	0.0061	0.0705	0.0880	-0.0050	-0.0250	UUBAR
	LOSS PARA	0.0024	0.0293	0.0396	-0.0024	-0.0122	LOSS PARA
	DFAC	0.4364	0.4921	0.4707	0.3523	0.2595	DFAC
	EFFP	0.9790	0.8336	0.7699	1.1261	-3.2626	EFFP
	INCID	5.457	8.754	7.924	4.500	1.306	INCID
	DEVM	15.471	12.392	11.618	13.000	13.999	DEVM
	P 2	16.953	17.014	17.175	17.322	17.549	P 2
	P 2A	16.943	16.903	17.034	17.330	17.589	P 2A
	T 2	542.320	541.250	543.500	546.800	552.700	T 2
	T 2A	542.350	541.250	543.450	546.550	552.450	T 2A
	P21	17.094	17.019	17.180	17.443	17.700	P21
	UUBAR	0.0812	0.0705	0.0880	0.0625	0.0601	UUBAR
	LOSS PARA	0.0319	0.0292	- 0.0396	0.0299	0.0293	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 69.38 EQUIVALENT ROTOR SPEED = 4197.72 CORRECTED WEIGHT FLOW = 177.28

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.705	0.300	0.090	0.040	-0.080	BETA 1
STATION 2	BETA 2	41.250	37.700	36.350	33.050	32.550	BETA 2
	BETA(PR) 1	57.190	58.004	60.643	63.340	67.331	BETA(PR) 1
	BETA(PR) 2	29.715	40.207	46.392	51.614	55.754	BETA(PR) 2
	V 1	276.65	321.66	335.64	340.18	316.71	V 1
	V 2	442.72	424.95	423.53	422.65	420.37	V 2
	VZ 1	266.76	317.43	334.53	340.14	316.52	VZ 1
	VZ 2	326.29	333.69	340.53	354.26	353.94	VZ 2
	V-THETA 1	3.28	1.66	0.53	0.24	-0.44	V-THETA 1
	V-THETA 2	286.15	257.90	250.60	230.50	225.92	V-THETA 2
	V(PR) 1	497.7	601.3	682.9	758.1	821.3	V(PR) 1
	V(PR) 2	385.8	440.0	494.3	570.5	629.3	V(PR) 2
	VTHETA PR1	-413.8	-508.1	-594.7	-677.5	-757.8	VTHETA PR1
	VTHETA PR2	-186.2	-282.1	-357.5	-447.2	-519.9	VTHETA PR2
	U 1	417.05	509.73	595.27	677.69	757.37	U 1
	U 2	472.37	539.96	608.09	677.69	745.83	U 2
	M 1	0.2493	0.2905	0.3034	0.3076	0.2860	M 1
	M 2	0.3944	0.3783	0.3767	0.3753	0.3713	M 2
	M(PR) 1	0.4486	0.5432	0.6173	0.6854	0.7417	M(PR) 1
	M(PR) 2	0.3436	0.3917	0.4397	0.5065	0.5559	M(PR) 2
	TURN(PR)	27.369	17.796	14.246	11.722	11.607	TURN(PR)
	UUBAR	0.0570	0.1081	0.1210	0.0864	0.0787	UUBAR
	LOSS PARA	0.0174	0.0313	0.0342	0.0235	0.0206	LOSS PARA
	DFAC	0.4377	0.4345	0.4279	0.3806	0.3613	DFAC
	EFFP	0.9568	0.9285	0.9415	0.9261	0.8323	EFFP
	EFF	0.9559	0.9271	0.9403	0.9245	0.8285	EFF
	INCID	7.635	4.662	3.962	3.337	3.919	INCID
	DEVM	10.066	7.366	4.216	3.014	2.811	DEVM
	P 1	14.576	14.698	14.718	14.703	14.657	P 1
	P 2	16.766	16.781	16.913	17.034	17.206	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	540.840	540.300	541.050	542.800	548.050	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	41.250	37.700	36.350	33.050	32.550	BETA 2
STATION 2A	BETA 2A	6.220	4.250	3.700	3.270	5.140	BETA 2A
	V 2	442.72	424.95	423.53	422.65	420.37	V 2
	V 2A	399.18	383.09	386.90	403.64	431.50	V 2A
	VZ 2	326.29	333.69	340.53	354.26	353.94	VZ 2
	VZ 2A	395.13	381.42	385.93	402.98	429.67	VZ 2A
	V-THETA 2	286.15	257.90	250.60	230.50	225.92	V-THETA 2
	V-THETA 2A	43.06	28.34	24.96	23.02	38.65	V-THETA 2A
	M 2	0.3944	0.3783	0.3767	0.3753	0.3713	M 2
	M 2A	0.3545	0.3401	0.3433	0.3580	0.3815	M 2A
	TURN(PR)	34.072	33.123	32.578	29.780	27.370	TURN(PR)
	UUBAR	-0.0030	0.0096	0.0352	0.0192	0.0032	UUBAR
	LOSS PARA	-0.0012	0.0040	0.0158	0.0091	0.0016	LOSS PARA
	DFAC	0.3052	0.3180	0.3237	0.2764	0.1939	DFAC
	EFFP	1.0118	0.9518	0.7991	0.8942	0.8483	EFFP
	INCID	-0.635	0.166	1.577	-0.950	-3.492	INCID
	DEVM	14.893	11.743	11.198	11.270	14.039	DEVM
	P 2	16.766	16.781	16.913	17.034	17.206	P 2
	P 2A	16.771	16.766	16.857	17.004	17.201	P 2A
	T 2	540.840	540.300	541.050	542.800	548.050	T 2
	T 2A	540.850	540.300	541.050	542.650	547.850	T 2A
	P21	16.900	16.835	16.941	17.052	17.305	P21
	UUBAR	0.0662	0.0433	0.0474	0.0254	0.0581	UUBAR
	LOSS PARA	0.0264	0.0180	0.0212	0.0120	0.0290	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 70.25 EQUIVALENT ROTOR SPEED = 4250.12 CORRECTED WEIGHT FLOW = 201.92

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.220	0.007	-0.158	0.060	0.825	BETA 1
STATION 2	BETA 2	32.570	29.090	26.420	24.011	24.040	BETA 2
	BETA(PR) 1	53.482	54.237	57.799	60.971	64.267	BETA(PR) 1
	BETA(PR) 2	29.490	39.687	46.157	52.055	56.481	BETA(PR) 2
	V 1	323.32	376.62	381.49	380.62	367.30	V 1
	V 2	483.12	455.51	447.94	434.71	423.34	V 2
	VZ 1	311.78	371.68	380.22	380.58	367.04	VZ 1
	VZ 2	397.12	394.38	400.30	397.10	386.10	VZ 2
	V-THETA 1	1.20	0.05	-1.05	0.40	5.29	V-THETA 1
	V-THETA 2	253.68	219.42	198.88	176.89	172.23	V-THETA 2
	V(PR) 1	530.9	638.9	714.2	784.3	845.5	V(PR) 1
	V(PR) 2	468.5	516.2	578.6	645.8	699.5	V(PR) 2
	VTHETA PR1	-421.1	-516.1	-603.7	-685.8	-761.5	VTHETA PR1
	VTHETA PR2	-224.6	-327.3	-416.8	-509.3	-582.9	VTHETA PR2
	U 1	422.26	516.10	602.70	686.15	766.82	U 1
	U 2	478.27	546.70	615.68	686.15	755.14	U 2
	M 1	0.2921	0.3413	0.3458	0.3450	0.3326	M 1
	M 2	0.4322	0.4071	0.4000	0.3879	0.3766	M 2
	M(PR) 1	0.4796	0.5789	0.6473	0.7108	0.7657	M(PR) 1
	M(PR) 2	0.4191	0.4613	0.5167	0.5762	0.6223	M(PR) 2
	TURN(PR)	23.836	14.530	11.632	8.913	7.815	TURN(PR)
	UUBAR	0.0402	0.0757	0.0685	0.0576	0.0530	UUBAR
	LOSS PARA	0.0123	0.0221	0.0194	0.0155	0.0136	LOSS PARA
	DFAC	0.2954	0.3259	0.3058	0.2753	0.2639	DFAC
	EFFP	0.9304	0.8961	0.9014	0.8890	0.8330	EFFP
	EFF	0.9291	0.8944	0.8997	0.8872	0.8301	EFF
	INCID	3.881	0.877	1.113	0.968	0.854	INCID
	DEVM	9.845	6.848	3.980	3.455	3.539	DEVM
	P 1	14.595	14.725	14.735	14.748	14.716	P 1
	P 2	16.579	16.552	16.592	16.574	16.621	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	539.399	538.404	538.590	538.535	540.815	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	32.570	29.090	26.420	24.011	24.040	BETA 2
STATION 2A	BETA 2A	4.790	4.190	3.600	2.975	4.060	BETA 2A
	V 2	483.12	455.51	447.94	434.71	423.34	V 2
	V 2A	501.31	475.17	467.78	463.81	471.06	V 2A
	VZ 2	397.12	394.38	400.30	397.10	386.10	VZ 2
	VZ 2A	497.41	473.13	466.65	463.18	469.77	VZ 2A
	V-THETA 2	253.68	219.42	198.88	176.89	172.23	V-THETA 2
	V-THETA 2A	41.68	34.66	29.36	24.07	33.34	V-THETA 2A
	M 2	0.4322	0.4071	0.4000	0.3879	0.3766	M 2
	M 2A	0.4491	0.4253	0.4183	0.4147	0.4205	M 2A
	TURN(PR)	26.904	24.614	22.761	21.036	19.947	TURN(PR)
	UUBAR	0.0051	0.0051	0.0393	0.0274	0.0453	UUBAR
	LOSS PARA	0.0020	0.0021	0.0177	0.0129	0.0221	LOSS PARA
	DFAC	0.1274	0.1212	0.1241	0.0988	0.0496	DFAC
	EFFP	1.0632	1.0513	1.4052	1.1772	1.1348	EFFP
	INCID	-9.227	-8.403	-8.341	-9.989	-11.994	INCID
	DEVM	13.469	11.683	11.099	10.975	12.959	DEVM
	P 2	16.579	16.552	16.592	16.574	16.621	P 2
	P 2A	16.568	16.543	16.524	16.530	16.551	P 2A
	T 2	539.399	538.404	538.590	538.535	540.815	T 2
	T 2A	539.402	538.400	538.590	538.520	540.675	T 2A
	P21	16.694	16.603	16.618	16.587	16.603	P21
	UUBAR	0.0601	0.0332	0.0543	0.0358	0.0345	UUBAR
	LOSS PARA	0.0235	0.0136	0.0244	0.0168	0.0168	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 50.25 EQUIVALENT ROTOR SPEED= 5460.07 CORRECTED WEIGHT FLOW = 157.67

ROTOR	PCT SPAN	89.64	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.600	0.600	0.620	0.650	1.275	BETA 1
STATION 2	BETA 2	51.310	58.090	64.580	56.180	51.840	BETA 2
	BETA(PR) 1	64.228	66.741	69.824	71.585	73.586	BETA(PR) 1
	BETA(PR) 2	29.133	46.039	50.166	48.077	54.087	BETA(PR) 2
	V 1	270.26	287.50	284.35	292.36	288.55	V 1
	V 2	551.85	504.46	558.16	607.66	592.10	V 2
	VZ 1	260.60	283.70	283.39	292.31	288.31	VZ 1
	VZ 2	340.21	265.74	239.47	338.22	365.61	VZ 2
	V-THETA 1	2.73	2.97	3.07	3.32	6.42	V-THETA 1
	V-THETA 2	424.81	426.77	503.88	504.84	465.28	V-THETA 2
	V(PR) 1	603.6	719.9	822.0	925.6	1020.3	V(PR) 1
	V(PR) 2	400.0	385.1	374.3	506.2	623.7	V(PR) 2
	VTHETA PR1	-539.7	-660.1	-771.2	-878.2	-978.7	VTHETA PR1
	VTHETA PR2	-189.6	-275.6	-287.1	-376.6	-504.8	VTHETA PR2
	U 1	542.47	663.02	774.28	881.49	985.12	U 1
	U 2	614.42	702.33	790.96	881.49	970.11	U 2
	M 1	0.2435	0.2592	0.2564	0.2637	0.2602	M 1
	M 2	0.4858	0.4420	0.4878	0.5295	0.5063	M 2
	M(PR) 1	0.5439	0.6492	0.7411	0.8348	0.9201	M(PR) 1
	M(PR) 2	0.3521	0.3374	0.3271	0.4411	0.5333	M(PR) 2
	TURN(PR)	35.109	20.771	19.671	23.510	19.533	TURN(PR)
	UUBAR	0.0808	0.3012	0.4480	0.3724	0.3244	UUBAR
	LOSS PARA	0.0248	0.0792	0.1177	0.1091	0.0887	LOSS PARA
	DFAC	0.5989	0.6947	0.7972	0.6907	0.5967	DFAC
	EFFP	0.9375	0.9467	0.8245	0.8299	0.6365	EFFP
	EFF	0.9351	0.8413	0.8175	0.8221	0.6199	EFF
	INCID	14.803	13.465	13.162	11.587	10.177	INCID
	DEVM	5.494	13.193	7.991	-0.523	1.144	DEVM
	P 1	14.645	14.711	14.717	14.704	14.716	P 1
	P 2	19.103	18.794	19.393	20.227	20.228	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	562.460	563.390	570.740	578.890	598.320	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	51.310	58.090	64.580	56.180	51.840	BETA 2
STATION 2A	BETA 2A	4.800	0.600	-15.270	-3.650	8.770	BETA 2A
	V 2	551.85	504.46	558.16	607.66	592.10	V 2
	V 2A	419.68	346.93	366.60	437.10	498.89	V 2A
	VZ 2	340.21	265.74	239.47	338.22	365.61	VZ 2
	VZ 2A	416.41	346.34	353.51	436.21	492.95	VZ 2A
	V-THETA 2	424.81	426.77	503.88	504.84	465.28	V-THETA 2
	V-THETA 2A	34.57	3.63	-96.51	-27.83	76.05	V-THETA 2A
	M 2	0.4858	0.4420	0.4878	0.5295	0.5063	M 2
	M 2A	0.3658	0.3009	0.3162	0.3761	0.4239	M 2A
	TURN(PR)	45.556	57.180	79.784	59.830	43.027	TURN(PR)
	UUBAR	0.0815	0.1706	0.2756	0.3250	0.1789	UUBAR
	LOSS PARA	0.0320	0.0710	0.1198	0.1529	0.0866	LOSS PARA
	DFAC	0.5071	0.6547	0.8247	0.6940	0.4825	DFAC
	EFFP	0.8229	0.6990	0.5516	0.3969	0.4901	EFFP
	INCID	9.435	20.579	29.821	22.180	15.795	INCID
	DEVM	13.479	8.099	-7.764	4.350	17.668	DEVM
	P 2	19.103	18.794	19.393	20.227	20.228	P 2
	P 2A	18.871	18.392	18.590	19.084	19.647	P 2A
	T 2	562.460	563.390	570.740	578.890	598.320	T 2
	T 2A	562.460	563.350	570.630	578.110	597.310	T 2A
	P21	19.035	18.530	18.742	19.332	20.054	P21
	UUBAR	0.0564	0.0628	0.0639	0.0918	0.1299	UUBAR
	LOSS PARA	0.0221	0.0261	0.0277	0.0431	0.0628	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 89.27 EQUIVALENT ROTOR SPEED = 5400.97 CORRECTED WEIGHT FLOW = 184.57

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.826	0.840	0.855	0.875	2.780	BETA 1
STATION 2	BETA 2	50.670	53.980	54.910	49.510	41.390	BETA 2
	BETA(PR) 1	62.457	63.277	65.216	67.154	69.928	BETA(PR) 1
	BETA(PR) 2	28.820	42.044	50.266	49.596	52.196	BETA(PR) 2
	V 1	288.07	332.17	352.43	365.10	350.48	V 1
	V 2	549.35	520.98	518.66	572.39	589.90	V 2
	VZ 1	277.76	327.77	351.22	365.01	349.86	VZ 1
	VZ 2	343.25	305.08	297.89	371.66	442.16	VZ 2
	V-THETA 1	4.00	4.81	5.24	5.57	16.99	V-THETA 1
	V-THETA 2	418.92	419.61	424.01	435.31	389.68	V-THETA 2
	V(PR) 1	605.5	730.9	838.3	940.1	1019.5	V(PR) 1
	V(PR) 2	402.4	413.6	466.5	573.4	721.8	V(PR) 2
	VTHETA PR1	-532.6	-651.0	-760.7	-866.4	-957.5	VTHETA PR1
	VTHETA PR2	-188.9	-275.1	-358.4	-436.6	-569.9	VTHETA PR2
	U 1	536.60	655.85	765.90	871.95	974.46	U 1
	U 2	607.77	694.73	782.40	871.95	959.61	U 2
	M 1	0.2598	0.3002	0.3189	0.3306	0.3171	M 1
	M 2	0.4840	0.4577	0.4533	0.4996	0.5101	M 2
	M(PR) 1	0.5460	0.6605	0.7585	0.8513	0.9223	M(PR) 1
	M(PR) 2	0.3546	0.3633	0.4077	0.5005	0.6241	M(PR) 2
	TURN(PR)	33.608	21.271	14.952	17.555	17.766	TURN(PR)
	UUBAR	0.0462	0.2261	0.3110	0.2527	0.1228	UUBAR
	LOSS PARA	0.0143	0.0636	0.0815	0.0718	0.0351	LOSS PARA
	DFAC	0.5918	0.6556	0.6505	0.5905	0.4609	DFAC
	EFFP	0.9596	0.9030	0.7913	0.8454	0.7707	EFFP
	EFF	0.9581	0.8994	0.7839	0.8387	0.7599	EFF
	INCID	12.994	9.971	8.543	7.151	6.517	INCID
	DEVM	9.187	9.200	8.091	0.996	-0.749	DEVM
	P 1	14.583	14.699	14.774	14.722	14.725	P 1
	P 2	18.997	18.927	18.932	19.817	20.420	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	561.190	561.890	567.280	573.520	585.550	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.670	53.980	54.910	49.510	41.390	BETA 2
STATION 2A	BETA 2A	4.740	3.450	-1.010	3.750	7.900	BETA 2A
	V 2	549.35	520.98	518.66	572.39	589.90	V 2
	V 2A	395.03	359.81	380.40	449.55	518.31	V 2A
	VZ 2	343.25	305.08	297.89	371.66	442.16	VZ 2
	VZ 2A	391.98	358.57	380.17	448.58	513.27	VZ 2A
	V-THETA 2	418.92	419.61	424.01	435.31	389.68	V-THETA 2
	V-THETA 2A	32.50	21.62	-6.70	29.43	71.22	V-THETA 2A
	M 2	0.4840	0.4577	0.4533	0.4996	0.5101	M 2
	M 2A	0.3442	0.3127	0.3294	0.3892	0.4458	M 2A
	TURN(PR)	44.971	50.206	55.847	45.760	33.446	TURN(PR)
	UUBAR	0.0924	0.1370	0.0658	0.1663	0.1452	UUBAR
	LOSS PARA	0.0362	0.0569	0.0296	0.0783	0.0705	LOSS PARA
	DFAC	0.5475	0.6207	0.6373	0.5482	0.3884	DFAC
	EFFP	0.8242	0.7574	0.8729	0.6248	0.4568	EFFP
	INCID	8.791	16.450	20.138	15.510	5.344	INCID
	DEVM	13.420	10.944	6.490	11.750	16.798	DEVM
	P 2	18.997	18.927	18.932	19.817	20.420	P 2
	P 2A	18.737	18.580	18.768	19.301	19.938	P 2A
	T 2	561.190	561.890	567.280	573.520	585.550	T 2
	T 2A	561.190	561.870	567.220	573.090	584.980	T 2A
	P21	18.971	18.714	19.057	19.624	20.190	P21
	UUBAR	0.0858	0.0600	0.1126	0.1126	0.0832	UUBAR
	LOSS PARA	0.0336	0.0249	0.0506	0.0530	0.0403	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 90.16 EQUIVALENT ROTOR SPEED = 5454.66 CORRECTED WEIGHT FLOW = 211.07

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.508	0.172	0.102	0.101	0.938	BETA 1
STATION 2	BETA 2	48.280	48.470	45.600	39.200	37.600	BETA 2
	BETA(PR) 1	60.199	60.343	62.470	64.285	67.770	BETA(PR) 1
	BETA(PR) 2	29.202	40.290	47.745	50.911	54.065	BETA(PR) 2
	V 1	320.26	381.52	404.15	423.78	399.84	V 1
	V 2	557.52	538.19	532.94	555.25	569.58	V 2
	VZ 1	308.82	376.51	402.81	423.73	399.55	VZ 1
	VZ 2	365.25	354.92	372.39	430.29	450.82	VZ 2
	V-THETA 1	2.74	1.13	0.72	0.75	6.54	V-THETA 1
	V-THETA 2	409.66	400.74	380.27	350.93	347.18	V-THETA 2
	V(PR) 1	627.1	763.4	872.1	976.6	1056.2	V(PR) 1
	V(PR) 2	429.8	468.6	554.5	682.4	768.6	V(PR) 2
	VTHETA PR1	-539.2	-661.2	-772.8	-879.9	-977.6	VTHETA PR1
	VTHETA PR2	-204.2	-300.9	-409.9	-529.7	-622.0	VTHETA PR2
	U 1	541.94	662.37	773.51	880.62	984.15	U 1
	U 2	613.81	701.64	790.17	880.62	969.15	U 2
	M 1	0.2893	0.3458	0.3669	0.3852	0.3628	M 1
	M 2	0.4925	0.4751	0.4688	0.4866	0.4941	M 2
	M(PR) 1	0.5664	0.6919	0.7916	0.8877	0.9585	M(PR) 1
	M(PR) 2	0.3796	0.4137	0.4878	0.5980	0.6667	M(PR) 2
	TURN(PR)	30.931	20.066	14.723	13.371	13.737	TURN(PR)
	UUBAR	0.0926	0.2003	0.1940	0.1173	0.0692	UUBAR
	LOSS PARA	0.0285	0.0579	0.0535	0.0324	0.0189	LOSS PARA
	DFAC	0.5575	0.5903	0.5446	0.4585	0.4214	DFAC
	EFFP	0.9591	0.9655	0.9192	0.8934	0.8224	EFFP
	EFF	0.9576	0.9643	0.9162	0.8891	0.8142	EFF
	INCID	10.693	7.016	5.792	4.283	4.358	INCID
	DEVM	9.562	7.449	5.569	2.311	1.121	DEVM
	P 1	14.564	14.738	14.741	14.749	14.710	P 1
	P 2	18.751	18.872	19.013	19.550	20.299	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.260	558.080	561.400	567.620	580.100	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	48.280	48.470	45.600	39.200	37.600	BETA 2
STATION 2A	BETA 2A	5.590	4.630	3.560	4.820	6.300	BETA 2A
	V 2	557.52	538.19	532.94	555.25	569.58	V 2
	V 2A	414.79	389.92	421.21	485.47	556.91	V 2A
	VZ 2	365.25	354.92	372.39	430.29	450.82	VZ 2
	VZ 2A	411.04	388.02	420.22	483.75	553.42	VZ 2A
	V-THETA 2	409.66	400.74	380.27	350.93	347.18	V-THETA 2
	V-THETA 2A	40.23	31.42	26.14	40.79	61.10	V-THETA 2A
	M 2	0.4925	0.4751	0.4688	0.4866	0.4941	M 2
	M 2A	0.3625	0.3406	0.3676	0.4233	0.4828	M 2A
	TURN(PR)	41.723	43.504	41.965	34.380	31.257	TURN(PR)
	UUBAR	0.0331	0.1202	0.0536	0.0202	0.0304	UUBAR
	LOSS PARA	0.0129	0.0499	0.0241	0.0095	0.0148	LOSS PARA
	DFAC	0.5067	0.5548	0.5058	0.3890	0.2707	DFAC
	EFFP	0.9317	0.7663	0.8781	1.0105	0.7045	EFFP
	INCID	6.389	10.926	10.823	5.200	1.556	INCID
	DEVM	14.266	12.123	11.059	12.820	15.199	DEVM
	P 2	18.751	18.872	19.013	19.550	20.299	P 2
	P 2A	18.656	18.547	18.870	19.491	20.204	P 2A
	T 2	559.260	558.080	561.400	567.620	580.100	T 2
	T 2A	559.270	558.080	561.300	567.070	579.510	T 2A
	P21	18.767	18.604	18.976	19.591	20.360	P21
	UUBAR	0.0405	0.0258	0.0426	0.0359	0.0511	UUBAR
	LOSS PARA	0.0157	0.0107	0.0191	0.0168	0.0248	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 90.30 EQUIVALENT ROTOR SPEED = 5463.43 CORRECTED WEIGHT FLOW = 231.92

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.359	0.000	-0.029	0.094	0.270	BETA 1
STATION 2	BETA 2	42.180	39.340	36.480	34.670	34.040	BETA 2
	BETA(PR) 1	56.175	56.903	59.677	62.351	66.341	BETA(PR) 1
	BETA(PR) 2	28.824	38.969	45.601	51.256	54.273	BETA(PR) 2
	V 1	375.61	438.19	454.79	461.74	431.23	V 1
	V 2	580.80	562.03	560.04	553.41	567.69	V 2
	VZ 1	362.19	432.44	453.28	461.69	430.97	VZ 1
	VZ 2	422.13	431.53	449.53	455.15	469.90	VZ 2
	V-THETA 1	2.27	0.00	-0.23	0.76	2.03	V-THETA 1
	V-THETA 2	382.50	353.71	332.39	314.81	317.43	V-THETA 2
	V(PR) 1	658.2	795.1	898.6	994.9	1074.1	V(PR) 1
	V(PR) 2	495.0	559.1	643.3	727.3	805.2	V(PR) 2
	VTHETA PR1	-540.5	-663.4	-775.0	-881.3	-983.7	VTHETA PR1
	VTHETA PR2	-232.3	-349.1	-459.1	-567.2	-653.3	VTHETA PR2
	U 1	542.81	663.43	774.76	882.03	985.73	U 1
	U 2	614.80	702.77	791.45	882.03	970.71	U 2
	M 1	0.3403	0.3987	0.4143	0.4209	0.3922	M 1
	M 2	0.5156	0.4983	0.4955	0.4879	0.4957	M 2
	M(PR) 1	0.5964	0.7234	0.8186	0.9068	0.9768	M(PR) 1
	M(PR) 2	0.4394	0.4957	0.5692	0.6411	0.7030	M(PR) 2
	TURN(PR)	27.215	17.924	14.070	11.092	12.099	TURN(PR)
	UUBAR	0.0780	0.1267	0.1061	0.0994	0.0867	UUBAR
	LOSS PARA	0.0240	0.0373	0.0304	0.0273	0.0236	LOSS PARA
	DFAC	0.4642	0.4702	0.4374	0.4074	0.3861	DFAC
	EFFP	0.9700	0.9612	0.9649	0.9309	0.8299	EFFP
	EFF	0.9690	0.9599	0.9637	0.9283	0.8228	EFF
	INCID	6.606	3.555	2.994	2.348	2.929	INCID
	DEVM	9.191	6.131	3.424	2.656	1.330	DEVM
	P 1	14.557	14.738	14.744	14.750	14.679	P 1
	P 2	18.458	18.581	18.845	19.042	19.575	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.270	555.690	557.800	561.000	572.730	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	42.180	39.340	36.480	34.670	34.040	BETA 2
STATION 2A	BETA 2A	5.510	3.900	3.250	2.240	4.950	BETA 2A
	V 2	580.80	562.03	560.04	553.41	567.69	V 2
	V 2A	493.85	479.35	492.51	515.24	572.26	V 2A
	VZ 2	422.13	431.53	449.53	455.15	469.90	VZ 2
	VZ 2A	489.45	477.46	491.51	514.84	570.00	VZ 2A
	V-THETA 2	382.50	353.71	332.39	314.81	317.43	V-THETA 2
	V-THETA 2A	47.22	32.55	27.91	20.14	49.37	V-THETA 2A
	M 2	0.5156	0.4983	0.4955	0.4879	0.4957	M 2
	M 2A	0.4352	0.4222	0.4333	0.4530	0.5001	M 2A
	TURN(PR)	35.705	35.108	33.158	32.430	29.049	TURN(PR)
	UUBAR	0.0174	0.0452	0.0556	0.0301	0.0254	UUBAR
	LOSS PARA	0.0068	0.0188	0.0250	0.0142	0.0124	LOSS PARA
	DFAC	0.3677	0.3795	0.3628	0.3200	0.2254	DFAC
	EFFP	0.9423	0.8517	0.7797	0.9379	1.0497	EFFP
	INCID	0.291	1.801	1.707	0.670	-2.003	INCID
	DEVM	14.186	11.394	10.749	10.240	13.849	DEVM
	P 2	18.458	18.581	18.845	19.042	19.575	P 2
	P 2A	18.405	18.450	18.684	18.956	19.498	P 2A
	T 2	556.270	555.690	557.800	561.000	572.730	T 2
	T 2A	556.280	555.670	557.780	560.460	572.140	T 2A
	P21	18.558	18.542	18.804	19.009	19.603	P21
	UUBAR	0.0477	0.0315	0.0411	0.0177	0.0335	UUBAR
	LOSS PARA	0.0186	0.0131	0.0184	0.0083	0.0163	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 89.51 EQUIVALENT ROTOR SPEED = 5415.36 CORRECTED WEIGHT FLOW = 237.34

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-0.050	-0.220	-0.140	-0.060	0.570	BETA 1
STATION 2	BETA 2	32.250	28.100	26.600	24.000	24.500	BETA 2
	BETA(PR) 1	52.193	53.439	56.536	60.023	63.871	BETA(PR) 1
	BETA(PR) 2	37.471	39.167	45.617	52.252	56.027	BETA(PR) 2
	V 1	433.19	495.59	510.10	504.67	477.26	V 1
	V 2	528.72	591.09	577.47	551.01	545.82	V 2
	VZ 1	417.73	489.08	508.41	504.60	476.95	VZ 1
	VZ 2	436.07	516.53	515.25	503.37	496.02	VZ 2
	V-THETA 1	-0.36	-1.88	-1.24	-0.53	4.74	V-THETA 1
	V-THETA 2	275.14	275.80	258.02	224.12	226.05	V-THETA 2
	V(PR) 1	691.0	824.9	923.0	1009.9	1083.1	V(PR) 1
	V(PR) 2	561.8	671.1	737.6	822.2	888.1	V(PR) 2
	VTHETA PR1	-538.4	-659.5	-769.2	-874.8	-972.3	VTHETA PR1
	VTHETA PR2	-334.3	-420.8	-526.5	-650.2	-736.1	VTHETA PR2
	U 1	538.03	657.59	767.94	874.27	977.06	U 1
	U 2	609.39	696.58	784.48	874.27	962.17	U 2
	M 1	0.3940	0.4529	0.4668	0.4616	0.4355	M 1
	M 2	0.4698	0.5294	0.5164	0.4916	0.4846	M 2
	M(PR) 1	0.6285	0.7539	0.8446	0.9237	0.9884	M(PR) 1
	M(PR) 2	0.4992	0.6010	0.6596	0.7336	0.7885	M(PR) 2
	TURN(PR)	14.666	14.246	10.908	7.768	7.873	TURN(PR)
	UUBAR	-0.1393	0.0544	0.0682	0.0642	0.0574	UUBAR
	LOSS PARA	-0.0389	0.0160	0.0196	0.0172	0.0149	LOSS PARA
	DFAC	0.3361	0.3177	0.3172	0.2834	0.2745	DFAC
	EFFP	1.0345	1.0086	1.0073	0.9593	0.9148	EFFP
	EFF	1.0355	1.0089	1.0075	0.9582	0.9123	EFF
	INCID	2.580	0.075	-0.151	0.020	0.457	INCID
	DEVM	17.714	6.329	3.441	3.652	3.085	DEVM
	P 1	14.526	14.764	14.794	14.794	14.681	P 1
	P 2	18.001	17.918	17.980	17.805	17.990	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	550.350	547.950	548.200	548.120	552.700	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	32.250	28.100	26.600	24.000	24.500	BETA 2
STATION 2A	BETA 2A	4.200	3.700	2.950	1.800	4.000	BETA 2A
	V 2	528.72	591.09	577.47	551.01	545.82	V 2
	V 2A	647.62	615.04	601.76	585.82	599.38	V 2A
	VZ 2	436.07	516.53	515.25	503.37	496.02	VZ 2
	VZ 2A	643.10	612.75	600.70	585.52	597.78	VZ 2A
	V-THETA 2	275.14	275.80	258.02	224.12	226.05	V-THETA 2
	V-THETA 2A	47.23	39.63	30.96	18.40	41.80	V-THETA 2A
	M 2	0.4698	0.5294	0.5164	0.4916	0.4846	M 2
	M 2A	0.5819	0.5521	0.5393	0.5243	0.5345	M 2A
	TURN(PR)	27.176	24.120	23.590	22.200	20.466	TURN(PR)
	UUBAR	0.0367	0.0199	0.0414	0.0456	0.0734	UUBAR
	LOSS PARA	0.0144	0.0083	0.0186	0.0215	0.0359	LOSS PARA
	DFAC	-0.0629	0.1216	0.1330	0.1128	0.0689	DFAC
	EFFP	1.0705	1.2372	1.4593	1.2962	1.5076	EFFP
	INCID	-9.542	-9.386	-8.161	-10.000	-11.535	INCID
	DEVM	12.882	11.194	10.449	9.800	12.899	DEVM
	P 2	18.001	17.918	17.980	17.805	17.990	P 2
	P 2A	17.908	17.856	17.856	17.681	17.795	P 2A
	T 2	550.350	547.950	548.200	548.120	552.700	T 2
	T 2A	550.400	548.000	548.250	548.070	553.350	T 2A
	P21	18.187	17.996	17.901	18.805	17.960	P21
	UUBAR	0.1026	0.0436	0.0413	0.3027	0.0127	UUBAR
	LOSS PARA	0.0402	0.0181	0.0185	0.1427	0.0062	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 100.53 EQUIVALENT ROTOR SPEED = 6082.09 CORRECTED WEIGHT FLOW = 183.96

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	C.250	0.250	0.250	0.590	5.460	BETA 1
STATION 2	BETA 2	50.740	55.720	61.990	55.950	46.840	BETA 2
	BETA(PR) 1	63.531	65.128	68.742	70.397	72.536	BETA(PR) 1
	BETA(PR) 2	29.743	43.810	48.512	48.752	50.941	BETA(PR) 2
	V 1	311.34	346.25	336.09	348.48	336.89	V 1
	V 2	611.17	574.68	623.52	669.31	687.77	V 2
	VZ 1	300.22	341.70	334.97	348.42	335.16	VZ 1
	VZ 2	381.32	322.44	292.65	374.76	470.11	VZ 2
	V-THETA 1	1.31	1.49	1.46	3.59	32.04	V-THETA 1
	V-THETA 2	466.54	473.03	550.15	554.55	501.31	V-THETA 2
	V(PR) 1	678.6	814.3	924.3	1038.5	1116.9	V(PR) 1
	V(PR) 2	450.9	449.6	442.3	568.4	746.5	V(PR) 2
	VTHETA PR1	-603.0	-737.1	-861.0	-978.3	-1065.3	VTHETA PR1
	VTHETA PR2	-217.9	-309.3	-330.9	-427.4	-579.3	VTHETA PR2
	U 1	604.27	738.56	862.49	981.91	1097.35	U 1
	U 2	684.42	782.34	881.07	981.91	1080.63	U 2
	M 1	0.2811	0.3132	0.3038	0.3152	0.3046	M 1
	M 2	0.5360	0.5023	0.5431	0.5805	0.5848	M 2
	M(PR) 1	0.6126	0.7366	0.8355	0.9395	1.0097	M(PR) 1
	M(PR) 2	0.3955	0.3930	0.3852	0.4930	0.6348	M(PR) 2
	TURN(PR)	33.798	21.373	20.242	21.643	21.629	TURN(PR)
	UUBAR	0.0870	0.2708	0.4280	0.3815	0.2449	UUBAR
	LOSS PARA	0.0266	0.0741	0.1162	0.1103	0.0719	LOSS PARA
	DFAC	0.5919	0.6737	0.7675	0.6853	0.5256	DFAC
	EFFP	0.9388	0.9000	0.8576	0.8392	0.6733	EFFP
	EFF	0.9359	0.8955	0.8506	0.8303	0.6544	EFF
	INCID	14.091	11.838	12.078	10.395	9.126	INCID
	DEVM	10.093	10.965	6.336	0.152	-2.004	DEVM
	P 1	14.591	14.699	14.698	14.729	14.728	P 1
	P 2	20.133	20.042	20.649	21.565	22.000	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.100	572.350	580.900	590.600	615.000	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.740	55.720	61.990	55.950	46.840	BETA 2
STATION 2A	BETA 2A	4.380	2.000	-11.190	-2.700	9.150	BETA 2A
	V 2	611.17	574.68	623.52	669.31	687.77	V 2
	V 2A	468.64	380.34	417.73	490.31	587.77	V 2A
	VZ 2	381.32	322.44	292.65	374.76	470.11	VZ 2
	VZ 2A	465.26	379.49	409.62	489.76	580.16	VZ 2A
	V-THETA 2	466.54	473.03	550.15	554.55	501.31	V-THETA 2
	V-THETA 2A	35.64	13.25	-81.03	-23.10	93.45	V-THETA 2A
	M 2	0.5360	0.5023	0.5431	0.5805	0.5848	M 2
	M 2A	0.4063	0.3278	0.3581	0.4189	0.4959	M 2A
	TURN(PR)	45.400	53.400	73.112	58.650	37.646	TURN(PR)
	UUBAR	0.0792	0.2217	0.2561	0.3080	0.1657	UUBAR
	LOSS PARA	0.0311	0.0923	0.1132	0.1451	0.0802	LOSS PARA
	DFAC	0.5004	0.6645	0.7829	0.6743	0.4388	DFAC
	EFFP	0.8270	0.6370	0.5805	0.4073	0.5216	EFFP
	INCID	8.861	18.197	27.226	21.950	10.794	INCID
	DEVM	13.061	9.497	-3.685	5.300	18.048	DEVM
	P 2	20.133	20.042	20.649	21.565	22.000	P 2
	P 2A	19.850	19.339	19.688	20.209	21.246	P 2A
	T 2	572.100	572.350	580.900	590.600	615.000	T 2
	T 2A	572.100	572.300	580.700	590.100	613.500	T 2A
	P21	20.164	19.496	19.825	20.554	21.778	P21
	UUBAR	0.0856	0.0579	0.0449	0.1001	0.1217	UUBAR
	LOSS PARA	0.0336	0.0241	0.0198	0.0471	0.0589	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 98.96 EQUIVALENT ROTOR SPEED = 5986.90 CORRECTED WEIGHT FLOW = 211.76

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	1.000	1.000	1.000	2.330	5.090	BETA 1
STATION 2	BETA 2	51.120	54.180	56.450	47.350	41.250	BETA 2
	BETA(PR) 1	61.575	62.677	54.912	65.940	69.055	BETA(PR) 1
	BETA(PR) 2	28.749	42.031	47.278	49.376	51.558	BETA(PR) 2
	V 1	330.79	377.26	395.63	424.24	401.64	V 1
	V 2	608.46	577.80	606.19	633.68	662.73	V 2
	VZ 1	318.94	372.24	394.26	423.84	399.82	VZ 1
	VZ 2	376.62	336.75	334.75	429.33	497.81	VZ 2
	V-THETA 1	5.57	6.50	6.88	17.25	35.61	V-THETA 1
	V-THETA 2	467.09	466.57	504.79	466.07	436.57	V-THETA 2
	V(PR) 1	675.7	813.3	930.4	1039.6	1118.6	V(PR) 1
	V(PR) 2	441.3	456.4	494.0	659.4	801.2	V(PR) 2
	VTHETA PR1	-589.2	-720.5	-842.1	-949.3	-1044.6	VTHETA PR1
	VTHETA PR2	-206.6	-303.5	-362.5	-500.5	-627.1	VTHETA PR2
	U 1	594.82	727.00	848.99	966.54	1080.18	U 1
	U 2	673.71	770.10	867.28	966.54	1063.72	U 2
	M 1	0.2989	0.3419	0.3589	0.3856	0.3645	M 1
	M 2	0.5340	0.5054	0.5283	0.5503	0.5689	M 2
	M(PR) 1	0.6107	0.7369	0.8441	0.9450	1.0152	M(PR) 1
	M(PR) 2	0.3873	0.3992	0.4305	0.5726	0.6877	M(PR) 2
	TURN(PR)	32.777	20.680	17.637	16.562	17.530	TURN(PR)
	UUBAR	0.0739	0.2317	0.3261	0.1998	0.0670	UUBAR
	LOSS PARA	0.0228	0.0652	0.0907	0.0571	0.0194	LOSS PARA
	DFAC	0.6027	0.6596	0.6908	0.5551	0.4492	DFAC
	EFFP	0.9430	0.9026	0.8585	0.8630	0.8055	EFFP
	EFF	0.9404	0.9983	0.8518	0.8557	0.7937	EFF
	INCID	12.095	9.367	8.239	5.938	5.643	INCID
	DEVM	9.117	9.187	5.102	0.775	-1.386	DEVM
	P 1	14.592	14.735	14.737	14.744	14.684	P 1
	P 2	20.046	20.041	20.463	21.230	22.282	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	571.080	571.740	578.580	585.250	601.400	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	51.120	54.180	56.450	47.350	41.250	BETA 2
STATION 2A	BETA 2A	4.430	3.520	-2.900	4.440	8.380	BETA 2A
	V 2	608.46	577.80	606.19	633.68	662.73	V 2
	V 2A	440.19	382.00	426.56	502.89	611.45	V 2A
	VZ 2	376.62	336.75	334.75	429.33	497.81	VZ 2
	VZ 2A	436.98	380.66	425.83	501.38	604.79	VZ 2A
	V-THETA 2	467.09	466.57	504.79	466.07	436.57	V-THETA 2
	V-THETA 2A	33.85	23.42	-21.57	38.93	89.09	V-THETA 2A
	M 2	0.5340	0.5054	0.5283	0.5503	0.5689	M 2
	M 2A	0.3812	0.3295	0.3667	0.4321	0.5227	M 2A
	TURN(PR)	45.733	50.337	59.278	42.910	32.826	TURN(PR)
	UUBAR	0.0948	0.1949	0.1822	0.1815	0.1100	UUBAR
	LOSS PARA	0.0372	0.0810	0.0820	0.0853	0.0533	LOSS PARA
	DFAC	0.5465	0.6514	0.6841	0.5242	0.3369	DFAC
	EFFP	0.8219	0.6823	0.6792	0.5761	0.4011	EFFP
	INCID	9.244	16.651	21.679	13.350	5.205	INCID
	DEVM	13.111	11.014	4.601	12.440	17.278	DEVM
	P 2	20.046	20.041	20.463	21.230	22.282	P 2
	P 2A	19.711	19.416	19.817	20.514	21.800	P 2A
	T 2	571.080	571.740	578.580	585.250	601.400	T 2
	T 2A	571.050	571.700	578.370	584.820	600.550	T 2A
	P21	20.111	19.908	20.391	21.128	22.120	P21
	UUBAR	0.1089	0.1575	0.1629	0.1576	0.0734	UUBAR
	LOSS PARA	0.0427	0.0654	0.0733	0.0740	0.0355	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT EQUIVALENT DESIGN SPEED = 99.09 EQUIVALENT ROTOR SPEED = 5995.05 CORRECTED WEIGHT FLOW = 227.93

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.490	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.930	0.770	1.190	1.870	3.320	BETA 1
STATION 2	BETA 2	50.390	52.120	50.290	39.960	39.490	BETA 2
	BETA(PR) 1	60.416	61.489	62.304	64.578	68.134	BETA(PR) 1
	BETA(PR) 2	29.339	40.982	48.241	49.812	53.100	BETA(PR) 2
	V 1	347.50	397.84	443.01	453.29	425.17	V 1
	V 2	606.35	585.68	585.50	624.57	640.81	V 2
	VZ 1	335.06	392.58	441.44	452.99	424.21	VZ 1
	VZ 2	381.05	357.97	373.67	478.73	494.06	VZ 2
	V-THETA 1	5.44	5.28	9.17	14.79	24.61	V-THETA 1
	V-THETA 2	460.45	460.16	449.92	401.13	407.13	V-THETA 2
	V(PR) 1	684.9	825.0	950.5	1055.3	1139.1	V(PR) 1
	V(PR) 2	448.9	477.5	561.7	741.9	823.3	V(PR) 2
	VTHETA PR1	-590.2	-722.7	-841.0	-953.1	-1057.0	VTHETA PR1
	VTHETA PR2	-214.2	-311.0	-418.5	-566.7	-658.0	VTHETA PR2
	U 1	595.62	727.99	850.15	967.86	1081.65	U 1
	U 2	674.62	771.15	868.46	967.86	1065.17	U 2
	M 1	0.3143	0.3610	0.4032	0.4129	0.3865	M 1
	M 2	0.5326	0.5136	0.5115	0.5439	0.5502	M 2
	M(PR) 1	0.6195	0.7485	0.8651	0.9612	1.0355	M(PR) 1
	M(PR) 2	0.3943	0.4187	0.4908	0.6461	0.7069	M(PR) 2
	TURN(PR)	31.017	20.530	14.061	14.764	15.065	TURN(PR)
	UUBAR	0.0684	0.2161	0.2324	0.0890	0.0475	UUBAR
	LOSS PARA	0.0210	0.0618	0.0635	0.0252	0.0133	LOSS PARA
	DFAC	0.5933	0.6363	0.6012	0.4575	0.4323	DFAC
	EFFP	0.9514	0.9367	0.8873	0.8942	0.8132	EFFP
	EFF	0.9492	0.9338	0.8822	0.8887	0.8022	EFF
	INCID	10.914	8.170	5.626	4.576	4.722	INCID
	DEVN	9.696	8.140	6.065	1.211	0.156	DEVN
	P 1	14.532	14.737	14.778	14.788	14.634	P 1
	P 2	19.900	20.038	20.217	21.112	22.013	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	570.050	569.670	573.780	581.200	598.700	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	50.390	52.120	50.290	39.960	39.490	BETA 2
STATION 2A	BETA 2A	4.470	4.050	2.730	5.920	6.630	BETA 2A
	V 2	606.35	585.68	585.50	624.57	640.81	V 2
	V 2A	438.68	396.61	440.11	530.26	622.12	V 2A
	VZ 2	381.05	357.97	373.67	478.73	494.06	VZ 2
	VZ 2A	435.46	394.97	439.42	527.43	617.82	VZ 2A
	V-THETA 2	460.45	460.16	449.92	401.13	407.13	V-THETA 2
	V-THETA 2A	34.04	27.97	20.95	54.69	71.81	V-THETA 2A
	M 2	0.5326	0.5136	0.5115	0.5439	0.5502	M 2
	M 2A	0.3802	0.3430	0.3803	0.4582	0.5336	M 2A
	TURN(PR)	44.958	47.741	47.486	34.040	32.816	TURN(PR)
	UUBAR	0.0747	0.1798	0.0913	0.0625	0.0288	UUBAR
	LOSS PARA	0.0293	0.0747	0.0411	0.0293	0.0140	LOSS PARA
	DFAC	0.5431	0.6234	0.5750	0.4125	0.2880	DFAC
	EFFP	0.8586	0.6950	0.8185	0.8462	0.8706	EFFP
	INCID	8.509	14.584	15.515	5.960	3.445	INCID
	DEVN	13.151	11.543	10.229	13.920	15.529	DEVN
	P 2	19.900	20.038	20.217	21.112	22.013	P 2
	P 2A	19.639	19.444	19.915	20.872	21.895	P 2A
	T 2	570.050	569.670	573.780	581.200	598.700	T 2
	T 2A	570.050	569.670	573.630	580.680	597.950	T 2A
	P21	19.913	19.683	20.056	21.089	20.946	P21
	UUBAR	0.0800	0.0831	0.0470	0.0587	0.0442	UUBAR
	LOSS PARA	0.0313	0.0345	0.0211	0.0275	0.0214	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

PERCENT_EQUIVALENT DESIGN SPEED = 98.48 EQUIVALENT ROTOR SPEED = 5958.16 CORRECTED WEIGHT FLOW = 254.36

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.230	0.675	0.740	0.915	1.905	BETA 1
STATION 2	BETA 2	44.280	40.850	38.030	36.180	37.220	BETA 2
	BETA(PR) 1	56.206	55.950	58.958	61.998	65.864	BETA(PR) 1
	BETA(PR) 2	28.280	38.142	44.385	51.344	53.928	BETA(PR) 2
	V 1	609.75	491.57	506.32	507.32	475.15	V 1
	V 2	630.21	618.34	623.31	601.40	624.07	V 2
	VZ 1	395.13	485.07	504.60	507.19	474.60	VZ 1
	VZ 2	443.09	464.49	490.16	485.43	496.46	VZ 2
	V-THETA 1	1.59	5.71	6.52	8.10	15.79	V-THETA 1
	V-THETA 2	432.09	401.65	383.37	355.02	377.10	V-THETA 2
	V(PR) 1	718.6	870.0	979.4	1080.3	1160.8	V(PR) 1
	V(PR) 2	517.9	595.0	686.8	777.1	843.6	V(PR) 2
	VTHETA PR1	-590.4	-717.8	-838.4	-953.8	-1059.2	VTHETA PR1
	VTHETA PR2	-238.4	-364.8	-479.7	-606.9	-681.5	VTHETA PR2
	U 1	591.96	723.51	844.91	961.90	1074.99	U 1
	U 2	670.47	766.40	863.11	961.90	1058.61	U 2
	M 1	0.3721	0.4491	0.4632	0.4641	0.4335	M 1
	M 2	0.5570	0.5467	0.5493	0.5265	0.5392	M 2
	M(PR) 1	0.6526	0.7948	0.8959	0.9883	1.0591	M(PR) 1
	M(PR) 2	0.4569	0.5261	0.6052	0.6804	0.7289	M(PR) 2
	TURN(PR)	27.780	17.791	14.565	10.651	11.967	TURN(PR)
	UUBAR	0.0843	0.0980	0.0921	0.0861	0.0945	UUBAR
	LOSS PARA	0.0261	0.0292	0.0270	0.0236	0.0259	LOSS PARA
	DFAC	0.5047	0.4936	0.4582	0.4214	0.4171	DFAC
	EFFP	0.9532	0.9939	0.9588	0.9024	0.7922	EFFP
	EFF	0.9512	0.9937	0.9674	0.8980	0.7815	EFF
	INCID	6.637	2.597	2.274	1.995	2.451	INCID
	DEVM	8.658	5.306	2.209	2.744	0.984	DEVM
	P 1	14.555	14.748	14.810	14.777	14.653	P 1
	P 2	19.455	19.765	20.187	20.249	20.940	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.840	564.250	568.320	573.110	589.980	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	44.280	40.850	38.030	36.180	37.220	BETA 2
STATION 2A	BETA 2A	5.840	4.160	3.610	2.400	5.270	BETA 2A
	V 2	630.21	618.34	623.31	601.40	624.07	V 2
	V 2A	518.67	498.61	527.53	553.80	608.17	V 2A
	VZ 2	443.09	464.49	490.16	485.43	496.46	VZ 2
	VZ 2A	513.76	496.49	526.26	553.31	605.46	VZ 2A
	V-THETA 2	432.09	401.65	383.37	355.02	377.10	V-THETA 2
	V-THETA 2A	52.55	36.11	33.20	23.19	55.85	V-THETA 2A
	M 2	0.5570	0.5467	0.5493	0.5265	0.5392	M 2
	M 2A	0.4539	0.4363	0.4609	0.4831	0.5250	M 2A
	TURN(PR)	37.470	36.355	34.347	33.780	31.907	TURN(PR)
	UUBAR	0.0251	0.0879	0.0771	0.0059	0.0466	UUBAR
	LOSS PARA	0.0098	0.0365	0.0347	0.0028	0.0228	LOSS PARA
	DFAC	0.4044	0.4341	0.4039	0.3393	0.2800	DFAC
	EFFP	0.9311	0.7748	0.7607	1.0959	0.2957	EFFP
	INCID	2.385	3.308	3.256	2.180	1.176	INCID
	DEVM	14.515	11.653	11.109	10.400	14.169	DEVM
	P 2	19.455	19.765	20.187	20.249	20.940	P 2
	P 2A	19.363	19.445	19.899	20.229	20.765	P 2A
	T 2	565.840	564.250	568.320	573.110	589.980	T 2
	T 2A	565.840	564.250	568.280	572.540	589.190	T 2A
	P21	19.532	19.615	20.027	20.285	20.971	P21
	UUBAR	0.0450	0.0488	0.0359	0.0161	0.0544	UUBAR
	LOSS PARA	0.0175	0.0202	0.0161	0.0076	0.0266	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

ENT EQUIVALENT DESIGN SPEED = 100.22 EQUIVALENT ROTOR SPEED = 6063.38 CORRECTED WEIGHT FLOW = 278.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.600	0.600	0.600	1.120	1.460	BETA 1
STATION 2	BETA 2	32.350	28.920	27.970	26.730	25.610	BETA 2
	BETA(PR) 1	51.778	53.071	57.003	60.564	64.456	BETA(PR) 1
	BETA(PR) 2	29.235	38.967	45.564	53.587	56.666	BETA(PR) 2
	V 1	487.99	556.41	556.42	546.52	517.03	V 1
	V 2	694.13	660.66	642.59	589.47	598.20	V 2
	VZ 1	470.55	549.07	554.54	546.35	516.55	VZ 1
	VZ 2	571.89	572.93	566.35	526.48	538.73	VZ 2
	V-THETA 1	4.93	5.75	5.81	10.68	13.17	V-THETA 1
	V-THETA 2	362.24	316.54	300.75	265.14	258.23	V-THETA 2
	V(PR) 1	771.4	918.3	1019.3	1111.8	1198.0	V(PR) 1
	V(PR) 2	673.1	742.3	810.0	886.9	980.8	V(PR) 2
	VTHETA PR1	-597.5	-730.5	-854.0	-968.2	-1080.8	VTHETA PR1
	VTHETA PR2	-320.1	-463.4	-577.6	-713.8	-819.1	VTHETA PR2
	U 1	602.41	736.28	859.84	978.89	1093.98	U 1
	U 2	682.31	779.94	878.35	978.89	1077.31	U 2
	M 1	0.4457	0.5113	0.5113	0.5017	0.4734	M 1
	M 2	0.6212	0.5900	0.5724	0.5232	0.5280	M 2
	M(PR) 1	0.7046	0.8438	0.9366	1.0206	1.0969	M(PR) 1
	M(PR) 2	0.6023	0.6630	0.7216	0.7872	0.8658	M(PR) 2
	TURN(PR)	22.368	14.078	11.429	6.975	7.819	TURN(PR)
	UUBAR	-0.0236	0.0492	0.0845	0.1169	0.0952	UUBAR
	LOSS PARA	-0.0072	0.0145	0.0243	0.0304	0.0244	LOSS PARA
	DFAC	0.3009	0.3237	0.3253	0.3026	0.2758	DFAC
	EFFP	1.0124	0.9546	0.9299	0.8359	0.7940	EFFP
	EFF	1.0129	0.9530	0.9274	0.8309	0.7871	EFF
	INCID	2.162	-0.293	0.316	0.561	1.042	INCID
	DEVM	9.594	6.129	3.387	4.987	3.724	DEVM
	P 1	14.444	14.781	14.788	14.794	14.681	P 1
	P 2	18.927	18.875	18.844	18.247	18.522	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.820	558.080	558.810	557.260	563.950	T 21
STATOR A	PCT SPAN	99.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	32.350	28.920	27.970	26.730	25.610	BETA 2
STATION 2A	BETA 2A	4.540	3.755	3.270	1.755	4.112	BETA 2A
	V 2	694.13	660.66	642.59	589.47	598.20	V 2
	V 2A	730.03	687.95	670.99	622.58	661.51	V 2A
	VZ 2	571.89	572.93	566.35	526.48	538.73	VZ 2
	VZ 2A	724.61	685.35	669.61	622.28	659.65	VZ 2A
	V-THETA 2	362.24	316.54	300.75	265.14	258.23	V-THETA 2
	V-THETA 2A	57.54	44.98	38.26	19.07	47.42	V-THETA 2A
	M 2	0.6212	0.5900	0.5724	0.5232	0.5280	M 2
	M 2A	0.6560	0.6162	0.5995	0.5543	0.5878	M 2A
	TURN(PR)	26.936	24.879	24.638	24.975	21.463	TURN(PR)
	UUBAR	0.0359	0.0498	0.0692	0.0803	0.0389	UUBAR
	LOSS PARA	0.0141	0.0207	0.0311	0.0378	0.0190	LOSS PARA
	DFAC	0.1135	0.1255	0.1376	0.1406	0.0685	DFAC
	EFFP	1.2873	1.5099	1.6673	1.6105	1.0919	EFFP
	INCID	-9.443	-8.572	-6.793	-7.270	-10.426	INCID
	DEVM	13.220	11.249	10.769	9.755	13.011	DEVM
	P 2	18.927	18.875	18.844	18.247	18.522	P 2
	P 2A	18.771	18.678	18.584	17.998	18.397	P 2A
	T 2	559.820	558.080	558.810	557.260	563.950	T 2
	T 2A	559.820	558.080	558.810	557.240	563.550	T 2A
	P21	19.107	18.879	18.816	18.157	18.660	P21
	UUBAR	0.0725	0.0485	0.0600	0.0500	0.0763	UUBAR
	LOSS PARA	0.0284	0.0201	0.0269	0.0235	0.0372	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)
Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 69.28 EQUIVALENT ROTOR SPEED = 4191.61 CORRECTED WEIGHT FLOW = 115.76

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.794	1.774	1.773	1.774	1.790	BETA 1
ROTOR -T.E.	BETA 2	54.573	61.312	66.580	56.339	52.297	BETA 2
	BETA(PR) 1	64.692	66.574	69.843	71.475	74.209	BETA(PR) 1
	BETA(PR) 2	27.587	44.958	51.398	50.741	54.595	BETA(PR) 2
	V 1	209.84	225.59	218.55	229.19	211.98	V 1
	V 2	423.39	397.06	428.67	446.09	451.98	V 2
	VZ 1	198.99	221.14	217.34	225.03	211.70	VZ 1
	VZ 2	242.34	190.02	170.30	247.25	276.27	VZ 2
	V-THETA 1	6.23	6.85	6.73	6.97	6.62	V-THETA 1
	V-THETA 2	340.67	347.24	393.16	371.29	357.41	V-THETA 2
	V(PR) 1	470.2	558.0	631.1	708.3	778.0	V(PR) 1
	V(PR) 2	281.5	270.3	273.3	392.4	476.7	V(PR) 2
	VTHETA PR1	-420.8	-510.4	-592.1	-671.6	-748.5	VTHETA PR1
	VTHETA PR2	-126.6	-189.7	-213.3	-304.7	-388.2	VTHETA PR2
	U 1	427.06	517.22	598.79	678.53	755.17	U 1
	U 2	467.29	536.97	606.47	675.97	745.66	U 2
	M 1	0.1886	0.2029	0.1965	0.2025	0.1906	M 1
	M 2	0.3750	0.3508	0.3780	0.3923	0.3933	M 2
	M(PR) 1	0.4227	0.5018	0.5675	0.6370	0.6994	M(PR) 1
	M(PR) 2	0.2493	0.2389	0.2410	0.3451	0.4148	M(PR) 2
	TURN(PR)	36.775	21.586	18.437	20.531	19.669	TURN(PR)
	UUBAR	0.0830	0.3045	0.4252	0.3146	0.2958	UUBAR
	LOSS PARA	0.0259	0.0817	0.1088	0.0869	0.0799	LOSS PARA
	DFAC	0.6634	0.7512	0.8197	0.6711	0.5959	DFAC
	EFFP	0.9195	0.8366	0.8023	0.7996	0.6311	EFFP
	EFF	0.9177	0.8331	0.7975	0.7941	0.6207	EFF
	INCID	14.907	13.164	13.148	11.471	10.796	INCID
	DEVM	7.932	12.077	9.211	2.340	1.627	DEVM
	P 1	14.677	14.723	14.709	14.697	14.682	P 1
	P 2	17.259	17.126	17.399	17.740	17.852	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	545.480	546.180	550.670	554.770	566.700	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	51.679	58.744	63.918	54.481	51.093	BETA 2
STATOR-T.E.	BETA 2A	8.669	1.526	-14.554	-4.765	7.823	BETA 2A
	V 2	432.22	404.53	436.74	455.68	461.54	V 2
	V 2A	305.10	260.29	264.37	325.96	367.56	V 2A
	VZ 2	264.58	209.26	191.93	264.74	289.68	VZ 2
	VZ 2A	299.39	259.47	255.70	324.82	363.99	VZ 2A
	V-THETA 2	334.77	344.77	392.09	370.89	358.91	V-THETA 2
	V-THETA 2A	45.65	6.91	-66.39	-27.08	50.01	V-THETA 2A
	M 2	0.3830	0.3576	0.3853	0.4010	0.4019	M 2
	M 2A	0.2684	0.2284	0.2311	0.2847	0.3183	M 2A
	TURN(PR)	42.158	56.940	78.411	59.246	43.226	TURN(PR)
	UUBAR	0.1456	0.1968	0.2911	0.2845	0.1923	UUBAR
	LOSS PARA	0.0567	0.0819	0.1269	0.1337	0.0933	LOSS PARA
	DFAC	0.5498	0.6997	0.8655	0.6960	0.5324	DFAC
	EFFP	0.7240	0.6784	0.5637	0.4715	0.5514	EFFP
	INCID	9.863	21.262	29.167	20.481	15.045	INCID
	DEVM	17.305	9.021	-7.044	3.235	15.720	DEVM
	P 2	17.259	17.126	17.399	17.740	17.852	P 2
	P 2A	17.017	16.841	16.806	17.210	17.491	P 2A
	T 2	545.480	546.180	550.670	554.770	566.700	T 2
	T 2A	545.480	546.170	550.590	554.270	566.100	T 2A
	P21	17.229	17.204	17.299	17.746	17.846	P21
	UUBAR	0.1304	0.2380	0.2468	0.2871	0.1901	UUBAR
	LOSS PARA	0.0507	0.0990	0.1075	0.1349	0.0922	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 69.28 EQUIVALENT ROTOR SPEED = 4191.46 CORRECTED WEIGHT FLOW = 139.95

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.761	1.522	1.301	1.135	1.108	BETA 1
ROTOR -T.E.	BETA 2	52.493	53.838	53.706	47.635	44.847	BETA 2
	BETA(PR) 1	62.973	63.846	66.159	67.676	70.575	BETA(PR) 1
	BETA(PR) 2	27.548	41.538	48.301	50.409	55.734	BETA(PR) 2
	V 1	226.17	255.73	263.39	276.49	264.77	V 1
	V 2	426.54	405.58	412.90	435.07	427.37	V 2
	VZ 1	214.48	250.71	261.98	276.36	264.49	VZ 1
	VZ 2	256.11	238.21	244.14	293.17	302.79	VZ 2
	V-THETA 1	6.59	6.66	5.95	5.48	5.11	V-THETA 1
	V-THETA 2	333.68	325.93	332.43	321.45	301.18	V-THETA 2
	V(PR) 1	477.4	571.0	648.7	727.6	795.4	V(PR) 1
	V(PR) 2	297.4	320.6	367.5	460.0	538.0	V(PR) 2
	VTHETA PR1	-420.4	-510.5	-592.8	-673.0	-750.0	VTHETA PR1
	VTHETA PR2	-133.6	-211.0	-274.0	-354.5	-444.4	VTHETA PR2
	U 1	427.04	517.20	598.77	678.51	755.14	U 1
	U 2	467.28	536.96	606.45	675.95	745.63	U 2
	M 1	0.2034	0.2303	0.2373	0.2492	0.2385	M 1
	M 2	0.3793	0.3600	0.3656	0.3848	0.3754	M 2
	M(PR) 1	0.4294	0.5142	0.5843	0.6558	0.7165	M(PR) 1
	M(PR) 2	0.2645	0.2846	0.3254	0.4069	0.4726	M(PR) 2
	TURN(PR)	35.040	22.241	17.838	17.263	14.863	TURN(PR)
	UUBAR	0.0876	0.2133	0.2752	0.2075	0.1659	UUBAR
	LOSS PARA	0.0273	0.0605	0.0751	0.0580	0.0435	LOSS PARA
	DFAC	0.6295	0.6545	0.6412	0.5578	0.4959	DFAC
	EFFP	1.0554	0.9916	0.9135	0.9343	0.8094	EFFP
	EFF	1.0566	0.9914	0.9115	0.9326	0.8042	EFF
	INCID	13.133	10.401	9.450	7.671	7.160	INCID
	DEVM	7.894	8.661	6.112	1.808	2.797	DEVM
	P 1	14.659	14.716	14.727	14.705	14.699	P 1
	P 2	17.165	17.140	17.243	17.576	17.772	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.350	542.000	544.930	547.780	554.650	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	49.778	51.842	52.085	46.272	43.937	BETA 2
STATOR-T.E.	BETA 2A	7.428	4.578	2.511	4.879	6.274	BETA 2A
	V 2	435.47	413.32	420.59	444.36	436.26	V 2
	V 2A	308.77	277.50	292.41	338.45	380.19	V 2A
	VZ 2	277.32	254.28	258.23	307.16	313.88	VZ 2
	VZ 2A	303.90	275.84	291.91	337.22	377.76	VZ 2A
	V-THETA 2	327.91	323.61	331.53	321.10	302.44	V-THETA 2
	V-THETA 2A	39.62	22.09	12.80	28.79	41.53	V-THETA 2A
	M 2	0.3875	0.3670	0.3726	0.3933	0.3834	M 2
	M 2A	0.2727	0.2446	0.2572	0.2977	0.3331	M 2A
	TURN(PR)	41.478	46.967	49.513	41.392	37.617	TURN(PR)
	UUBAR	0.0662	0.1283	0.1073	0.1252	0.0816	UUBAR
	LOSS PARA	0.0258	0.0532	0.0483	0.0588	0.0398	LOSS PARA
	DFAC	0.5443	0.6279	0.6438	0.5480	0.4223	DFAC
	EFFP	0.8752	0.7791	0.8075	0.7473	0.7458	EFFP
	INCID	7.950	14.333	17.323	12.271	7.888	INCID
	DEVM	16.072	12.065	10.009	12.879	15.172	DEVM
	P 2	17.165	17.140	17.243	17.576	17.772	P 2
	P 2A	17.054	16.945	17.074	17.354	17.632	P 2A
	T 2	541.350	542.000	544.930	547.780	554.650	T 2
	T 2A	541.340	541.980	544.880	547.500	554.300	T 2A
	P21	17.169	17.119	17.315	17.512	17.698	P21
	UUBAR	0.0661	0.1136	0.1444	0.0901	0.0381	UUBAR
	LOSS PARA	0.0257	0.0471	0.0650	0.0423	0.0185	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 69.52 EQUIVALENT ROTOR SPEED = 4205.79 CORRECTED WEIGHT FLOW = 161.81

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	1.123	0.742	0.616	0.770	0.862	BETA 1
ROTOR -T.E.	BETA 2	48.392	47.140	43.163	39.001	37.875	BETA 2
	BETA(PR) 1	61.065	60.023	62.207	64.273	67.589	BETA(PR) 1
	BETA(PR) 2	28.071	39.663	46.212	51.650	56.019	BETA(PR) 2
	V 1	247.05	303.01	316.53	326.05	310.86	V 1
	V 2	432.64	417.99	421.82	420.87	419.50	V 2
	VZ 1	234.34	297.13	314.90	325.94	310.56	VZ 1
	VZ 2	282.57	282.57	307.17	327.06	330.84	VZ 2
	V-THETA 1	4.59	3.85	3.39	4.38	4.67	V-THETA 1
	V-THETA 2	318.18	304.51	288.08	264.86	257.33	V-THETA 2
	V(PR) 1	490.6	597.6	676.1	750.9	814.7	V(PR) 1
	V(PR) 2	329.6	370.0	444.6	527.1	592.2	V(PR) 2
	VTHETA PR1	-423.9	-515.1	-597.4	-676.4	-753.0	VTHETA PR1
	VTHETA PR2	-150.7	-234.3	-320.4	-413.4	-490.9	VTHETA PR2
	U 1	428.50	518.97	600.82	680.83	757.72	U 1
	U 2	468.87	538.79	608.53	678.26	748.18	U 2
	M 1	0.2224	0.2734	0.2858	0.2946	0.2806	M 1
	M 2	0.3846	0.3716	0.3743	0.3722	0.3689	M 2
	M(PR) 1	0.4416	0.5393	0.6105	0.6784	0.7355	M(PR) 1
	M(PR) 2	0.2930	0.3289	0.3944	0.4662	0.5208	M(PR) 2
	TURN(PR)	32.565	20.247	15.964	12.619	11.589	TURN(PR)
	UUBAR	0.0935	0.1825	0.1606	0.1122	0.0944	UUBAR
	LOSS PARA	0.0290	0.0532	0.0456	0.0305	0.0246	LOSS PARA
	DFAC	0.5636	0.5753	0.5162	0.4498	0.4166	DFAC
	EFFP	0.9630	0.9715	0.9367	0.8808	0.7983	EFFP
	EFF	0.9622	0.9709	0.9353	0.8780	0.7931	EFF
	INCID	11.171	6.537	5.486	4.268	4.171	INCID
	DEVN	8.406	6.790	4.022	3.049	3.082	DEVN
	P 1	14.590	14.722	14.737	14.722	14.696	P 1
	P 2	16.953	17.014	17.175	17.322	17.549	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.320	541.250	543.500	546.800	552.700	T 2)
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	45.996	45.532	42.019	37.999	37.168	BETA 2
STATOR-T.E.	BETA 2A	7.097	5.089	4.260	5.129	5.206	BETA 2A
	V 2	441.74	425.99	429.74	429.75	428.17	V 2
	V 2A	339.43	317.69	332.46	373.68	412.23	V 2A
	VZ 2	301.99	296.78	318.87	338.65	340.82	VZ 2
	VZ 2A	334.32	315.55	331.30	372.18	410.37	VZ 2A
	V-THETA 2	312.67	302.34	287.30	264.57	258.40	V-THETA 2
	V-THETA 2A	41.62	28.10	24.68	33.41	37.39	V-THETA 2A
	M 2	0.3929	0.3789	0.3815	0.3803	0.3768	M 2
	M 2A	0.3000	0.2808	0.2934	0.3296	0.3625	M 2A
	TURN(PR)	38.014	40.139	37.698	32.870	31.917	TURN(PR)
	UUBAR	0.0059	0.0692	0.0861	-0.0049	-0.0247	UUBAR
	LOSS PARA	0.0023	0.0287	0.0387	-0.0023	-0.0120	LOSS PARA
	DFAC	0.4662	0.5182	0.4996	0.3837	0.2908	DFAC
	EFFP	0.9821	0.8522	0.8031	1.0901	1.6910	EFFP
	INCID	4.158	8.014	7.255	3.999	1.121	INCID
	DEVN	15.744	12.575	11.757	13.129	14.104	DEVN
	P 2	16.953	17.014	17.175	17.322	17.549	P 2
	P 2A	16.943	16.903	17.034	17.330	17.589	P 2A
	T 2	542.320	541.250	543.500	546.800	552.700	T 2
	T 2A	542.350	541.250	543.450	546.550	552.450	T 2A
	P21	17.094	17.019	17.180	17.443	17.700	P21
	UUBAR	0.0792	0.0692	0.0861	0.0613	0.0594	UUBAR
	LOSS PARA	0.0308	0.0286	0.0386	0.0287	0.0288	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 69.38 EQUIVALENT ROTOR SPEED = 4197.72 CORRECTED WEIGHT FLOW = 177.28

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.688	0.289	0.087	0.039	-0.077	BETA 1
ROTOR -T.E.	BETA 2	42.109	38.331	36.721	33.459	32.987	BETA 2
	BETA(PR) 1	57.880	57.874	60.052	62.570	66.600	BETA(PR) 1
	BETA(PR) 2	29.275	40.405	46.662	51.957	56.292	BETA(PR) 2
	V 1	280.90	330.62	346.96	352.64	327.74	V 1
	V 2	439.69	420.98	420.47	418.53	414.85	V 2
	VZ 1	266.48	324.23	345.19	352.56	327.46	VZ 1
	VZ 2	319.56	327.53	336.35	349.16	347.63	VZ 2
	V-THETA 1	3.20	1.64	0.52	0.24	-0.44	V-THETA 1
	V-THETA 2	288.83	258.96	250.90	230.75	225.64	V-THETA 2
	V(PR) 1	509.0	613.1	692.4	765.4	824.6	V(PR) 1
	V(PR) 2	376.8	433.5	490.8	566.6	626.7	V(PR) 2
	VTHETA PR1	-424.5	-516.3	-599.1	-679.3	-756.7	VTHETA PR1
	VTHETA PR2	-179.1	-278.8	-356.5	-446.2	-521.1	VTHETA PR2
	U 1	427.68	517.98	599.67	679.52	756.27	U 1
	U 2	467.97	537.76	607.36	676.96	746.74	U 2
	M 1	0.2532	0.2988	0.3138	0.3191	0.2961	M 1
	M 2	0.3916	0.3746	0.3739	0.3715	0.3663	M 2
	M(PR) 1	0.4588	0.5541	0.6263	0.6925	0.7451	M(PR) 1
	M(PR) 2	0.3356	0.3857	0.4365	0.5029	0.5534	M(PR) 2
	TURN(PR)	28.121	17.339	13.353	10.609	10.327	TURN(PR)
	UUBAR	0.0543	0.1038	0.1177	0.0848	0.0783	UUBAR
	LOSS PARA	0.0167	0.0300	0.0331	0.0229	0.0202	LOSS PARA
	DFAC	0.4663	0.4551	0.4403	0.3915	0.3670	DFAC
	EFFP	0.9568	0.9285	0.9415	0.9261	0.8323	EFFP
	EFF	0.9559	0.9271	0.9403	0.9245	0.8285	EFF
	INCID	7.907	4.368	3.325	2.564	3.182	INCID
	DEVN	9.585	7.530	4.473	3.355	3.356	DEVN
	P 1	14.576	14.698	14.718	14.703	14.657	P 1
	P 2	16.766	16.781	16.913	17.034	17.206	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	540.840	540.300	541.050	542.800	548.050	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	40.130	37.122	35.804	32.640	32.399	BETA 2
STATOR-T.E.	BETA 2A	6.498	4.419	3.829	3.356	5.248	BETA 2A
	V 2	449.01	429.06	428.35	427.36	423.40	V 2
	V 2A	387.94	372.58	375.65	392.41	419.93	V 2A
	VZ 2	336.70	339.70	346.90	359.87	357.06	VZ 2
	VZ 2A	382.57	370.43	374.53	391.73	418.00	VZ 2A
	V-THETA 2	283.83	257.12	250.22	230.50	226.59	V-THETA 2
	V-THETA 2A	43.57	28.62	25.07	22.97	38.39	V-THETA 2A
	M 2	0.4001	0.3820	0.3811	0.3796	0.3741	M 2
	M 2A	0.3443	0.3305	0.3331	0.3478	0.3710	M 2A
	TURN(PR)	32.759	32.410	31.916	29.284	27.109	TURN(PR)
	UUBAR	-0.0029	0.0094	0.0345	0.0188	0.0032	UUBAR
	LOSS PARA	-0.0011	0.0039	0.0155	0.0089	0.0016	LOSS PARA
	DFAC	0.3403	0.3498	0.3580	0.3104	0.2266	DFAC
	EFFP	1.0084	0.9639	0.8592	0.9449	4.4226	EFFP
	INCID	-1.692	-0.383	1.043	-1.360	-3.645	INCID
	DEVN	15.149	11.906	11.326	11.356	14.146	DEVN
	P 2	16.766	16.781	16.913	17.034	17.206	P 2
	P 2A	16.771	16.766	16.857	17.004	17.201	P 2A
	T 2	540.840	540.300	541.050	542.800	548.050	T 2
	T 2A	540.850	540.300	541.050	542.650	547.850	T 2A
	P21	16.900	16.835	16.941	17.052	17.305	P21
	UUBAR	0.0646	0.0425	0.0464	0.0249	0.0573	UUBAR
	LOSS PARA	0.0245	0.0176	0.0208	0.0117	0.0286	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)
Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.25 EQUIVALENT ROTOR SPEED = 4250.12 CORRECTED WEIGHT FLOW = 201.92

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.215	0.007	-0.152	0.058	0.798	BETA 1
ROTOR -T.E.	BETA 2	33.222	29.560	26.678	24.295	24.346	BETA 2
	BETA(PR) 1	54.188	54.071	57.147	60.133	63.439	BETA(PR) 1
	BETA(PR) 2	29.116	39.844	46.377	52.342	56.941	BETA(PR) 2
	V 1	328.44	387.49	394.77	394.97	380.51	V 1
	V 2	479.67	451.11	444.61	430.42	417.74	V 2
	VZ 1	311.60	380.01	392.75	394.87	380.15	VZ 1
	VZ 2	390.97	388.46	396.29	392.29	380.15	VZ 2
	V-THETA 1	1.17	0.04	-1.04	0.40	5.29	V-THETA 1
	V-THETA 2	256.06	220.32	199.12	177.08	172.01	V-THETA 2
	V(PR) 1	542.6	652.0	725.1	793.0	850.3	V(PR) 1
	V(PR) 2	460.4	509.9	575.3	642.1	697.2	V(PR) 2
	VTHETA PR1	-431.8	-524.4	-608.2	-687.6	-760.4	VTHETA PR1
	VTHETA PR2	-217.8	-324.2	-415.8	-508.3	-584.0	VTHETA PR2
	U 1	433.02	524.44	607.15	688.01	765.71	U 1
	U 2	473.81	544.47	614.94	685.41	756.06	U 2
	M 1	0.2968	0.3513	0.3581	0.3583	0.3449	M 1
	M 2	0.4290	0.4030	0.3969	0.3839	0.3715	M 2
	M(PR) 1	0.4903	0.5912	0.6578	0.7194	0.7706	M(PR) 1
	M(PR) 2	0.4118	0.4556	0.5136	0.5727	0.6200	M(PR) 2
	TURN(PR)	24.516	14.069	10.725	7.786	6.515	TURN(PR)
	UUBAR	0.0384	0.0726	0.0664	0.0564	0.0526	UUBAR
	LOSS PARA	0.0118	0.0211	0.0188	0.0151	0.0134	LOSS PARA
	DFAC	0.3244	0.3484	0.3205	0.2878	0.2708	DFAC
	EFFP	0.9304	0.8961	0.9014	0.8890	0.8330	EFFP
	EFF	0.9291	0.8944	0.8997	0.8872	0.8301	EFF
	INCID	4.146	0.539	0.413	0.127	0.019	INCID
	DEVM	9.430	6.970	4.188	3.740	4.004	DEVM
	P 1	14.595	14.725	14.735	14.748	14.716	P 1
	P 2	16.579	16.552	16.592	16.574	16.621	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	539.399	538.404	538.590	538.535	540.815	T 2
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	31.720	28.661	26.043	23.727	23.934	BETA 2
STATOR-T.E.	BETA 2A	5.017	4.366	3.733	3.057	4.149	BETA 2A
	V 2	490.18	460.01	453.14	439.60	426.39	V 2
	V 2A	485.92	461.15	453.29	450.26	457.93	V 2A
	VZ 2	407.10	400.21	406.39	402.44	389.18	VZ 2
	VZ 2A	480.42	458.52	451.99	449.61	456.55	VZ 2A
	V-THETA 2	251.63	218.75	198.58	176.89	172.73	V-THETA 2
	V-THETA 2A	42.17	35.00	29.49	24.01	33.12	V-THETA 2A
	M 2	0.4388	0.4112	0.4048	0.3924	0.3794	M 2
	M 2A	0.4348	0.4123	0.4049	0.4022	0.4084	M 2A
	TURN(PR)	25.908	24.041	22.262	20.670	19.750	TURN(PR)
	UUBAR	0.0049	0.0050	0.0385	0.0268	0.0447	UUBAR
	LOSS PARA	0.0019	0.0021	0.0173	0.0126	0.0218	LOSS PARA
	DFAC	0.1717	0.1609	0.1663	0.1395	0.0869	DFAC
	EFFP	0.7315	1.8615	56.7355	1.4828	1.2023	EFFP
	INCID	-10.013	-8.806	-8.708	-10.273	-12.102	INCID
	DEVM	13.679	11.853	11.230	11.057	13.048	DEVM
	P 2	16.579	16.552	16.592	16.574	16.621	P 2
	P 2A	16.568	16.543	16.524	16.530	16.551	P 2A
	T 2	539.399	538.404	538.590	538.535	540.815	T 2
	T 2A	539.402	538.400	538.590	538.520	540.675	T 2A
	P21	16.694	16.603	16.618	16.587	16.603	P21
	UUBAR	0.0585	0.0326	0.0531	0.0350	0.0340	UUBAR
	LOSS PARA	0.0226	0.0136	0.0238	0.0164	0.0165	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.25 EQUIVALENT ROTOR SPEED = 5460.07 CORRECTED WEIGHT FLOW = 157.67

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.586	0.578	0.597	0.626	1.235	BETA 1
ROTOR -T.E.	BETA 2	52.555	59.432	65.755	57.302	52.881	BETA 2
	BETA(PR) 1	64.817	66.649	69.394	71.031	73.037	BETA(PR) 1
	BETA(PR) 2	28.717	46.952	51.489	49.147	55.230	BETA(PR) 2
	V 1	274.40	295.33	293.64	302.76	298.42	V 1
	V 2	547.65	499.41	553.58	600.56	583.09	V 2
	VZ 1	260.32	289.61	292.13	302.66	298.09	VZ 1
	VZ 2	328.38	253.10	227.20	324.42	351.70	VZ 2
	V-THETA 1	2.66	2.92	3.04	3.31	6.43	V-THETA 1
	V-THETA 2	428.80	428.51	504.48	505.39	464.71	V-THETA 2
	V(PR) 1	617.9	732.9	830.6	931.2	1021.8	V(PR) 1
	V(PR) 2	385.3	373.1	365.3	496.0	617.0	V(PR) 2
	VTHETA PR1	-553.6	-670.8	-777.0	-880.6	-977.3	VTHETA PR1
	VTHETA PR2	-179.9	-271.0	-285.5	-375.1	-506.6	VTHETA PR2
	U 1	556.29	673.74	780.00	883.87	983.69	U 1
	U 2	608.70	699.47	790.00	880.54	971.31	U 2
	M 1	0.2473	0.2664	0.2649	0.2732	0.2692	M 1
	M 2	0.4819	0.4374	0.4837	0.5230	0.4982	M 2
	M(PR) 1	0.5568	0.6612	0.7492	0.8403	0.9219	M(PR) 1
	M(PR) 2	0.3390	0.3267	0.3192	0.4319	0.5272	M(PR) 2
	TURN(PR)	35.798	19.667	17.896	21.881	17.831	TURN(PR)
	UUBAR	0.0766	0.2895	0.4381	0.3678	0.3244	UUBAR
	LOSS PARA	0.0236	0.0749	0.1119	0.1055	0.0862	LOSS PARA
	DFAC	0.6303	0.7152	0.8093	0.7033	0.6038	DFAC
	EFFP	0.9375	0.8467	0.8245	0.8299	0.6365	EFFP
	EFF	0.9351	0.8413	0.8175	0.8221	0.6199	EFF
	INCID	15.037	13.240	12.698	11.027	9.623	INCID
	DEVN	9.039	14.072	9.302	0.546	2.293	DEVN
	P 1	14.645	14.711	14.717	14.704	14.716	P 1
	P 2	19.103	18.794	19.393	20.227	20.228	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	562.460	563.390	570.740	578.890	598.320	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	49.672	56.900	62.925	55.076	51.461	BETA 2
STATOR-T.E.	BETA 2A	5.015	0.623	-15.806	-3.747	8.965	BETA 2A
	V 2	560.51	509.59	565.30	615.73	597.00	V 2
	V 2A	407.75	337.67	356.15	424.75	484.95	V 2A
	VZ 2	357.71	277.36	257.18	352.50	371.71	VZ 2
	VZ 2A	403.14	336.71	342.44	423.84	478.83	VZ 2A
	V-THETA 2	421.38	425.47	503.12	504.84	466.65	V-THETA 2
	V-THETA 2A	35.38	3.66	-96.94	-27.76	75.54	V-THETA 2A
	M 2	0.4938	0.4466	0.4944	0.5369	0.5107	M 2
	M 2A	0.3551	0.2927	0.3070	0.3652	0.4116	M 2A
	TURN(PR)	43.766	55.987	78.668	58.823	42.452	TURN(PR)
	UUBAR	0.0791	0.1673	0.2691	0.3171	0.1761	UUBAR
	LOSS PARA	0.0310	0.0697	0.1167	0.1492	0.0853	LOSS PARA
	DFAC	0.5366	0.6775	0.8461	0.7175	0.5095	DFAC
	EFFP	0.8462	0.7229	0.5881	0.4622	0.5811	EFFP
	INCID	7.844	19.409	28.173	21.076	15.413	INCID
	DEVN	13.678	8.122	-8.295	4.253	17.862	DEVN
	P 2	19.103	18.794	19.393	20.227	20.228	P 2
	P 2A	18.871	18.392	18.590	19.084	19.647	P 2A
	T 2	562.460	563.390	570.740	578.890	598.320	T 2
	T 2A	562.460	563.350	570.630	578.110	597.310	T 2A
	P21	19.053	18.530	18.742	19.332	20.054	P21
	UUBAR	0.0547	0.0614	0.0620	0.0888	0.1278	UUBAR
	LOSS PARA	0.0214	0.0255	0.0268	0.0417	0.0619	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.27 EQUIVALENT ROTOR SPEED = 5400.97 CORRECTED WEIGHT FLOW = 184.57

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.806	0.809	0.822	0.841	2.689	BETA 1
ROTOR -T.E.	BETA 2	51.887	55.151	55.680	50.353	42.118	BETA 2
	BETA(PR) 1	63.074	63.159	64.682	66.454	69.249	BETA(PR) 1
	BETA(PR) 2	28.388	42.688	50.925	50.317	53.017	BETA(PR) 2
	V 1	292.52	341.48	364.44	378.70	362.94	V 1
	V 2	545.18	515.64	514.53	565.97	580.77	V 2
	VZ 1	277.50	334.85	362.55	378.57	362.23	VZ 1
	VZ 2	331.71	293.36	289.81	361.12	430.47	VZ 2
	V-THETA 1	3.91	4.73	5.20	5.56	17.01	V-THETA 1
	V-THETA 2	422.85	421.32	424.53	435.78	389.20	V-THETA 2
	V(PR) 1	619.7	744.6	848.6	947.7	1022.5	V(PR) 1
	V(PR) 2	388.0	402.0	460.3	565.5	715.9	V(PR) 2
	VTHETA PR1	-546.4	-661.7	-766.4	-868.7	-956.0	VTHETA PR1
	VTHETA PR2	-179.3	-270.6	-356.9	-435.2	-571.6	VTHETA PR2
	U 1	550.27	666.45	771.56	874.30	973.05	U 1
	U 2	602.12	691.90	781.45	871.01	960.79	U 2
	M 1	0.2638	0.3088	0.3300	0.3432	0.3286	M 1
	M 2	0.4802	0.4528	0.4495	0.4937	0.5018	M 2
	M(PR) 1	0.5590	0.6733	0.7683	0.8588	0.9257	M(PR) 1
	M(PR) 2	0.3418	0.3530	0.4022	0.4934	0.6186	M(PR) 2
	TURN(PR)	34.322	20.398	13.731	16.134	16.254	TURN(PR)
	UUBAR	0.0439	0.2171	0.3033	0.2488	0.1225	UUBAR
	LOSS PARA	0.0136	0.0605	0.0784	0.0697	0.0343	LOSS PARA
	DFAC	0.6228	0.6763	0.6614	0.6019	0.4683	DFAC
	EFFP	0.9596	0.9030	0.7913	0.8454	0.7707	EFFP
	EFF	0.9581	0.8994	0.7839	0.8387	0.7599	EFF
	INCID	13.238	9.707	7.969	6.449	5.833	INCID
	DEVM	8.716	9.808	8.737	1.715	0.078	DEVM
	P 1	14.583	14.699	14.774	14.722	14.725	P 1
	P 2	18.997	18.927	18.932	19.817	20.420	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	561.190	561.890	567.280	573.520	585.550	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	49.067	52.932	53.811	48.674	41.125	BETA 2
STATOR-T.E.	BETA 2A	4.550	3.585	-1.045	3.851	8.081	BETA 2A
	V 2	557.96	526.40	524.99	579.67	594.80	V 2
	V 2A	383.99	350.13	369.45	437.12	503.48	V 2A
	VZ 2	360.36	316.01	309.74	382.78	447.61	VZ 2
	VZ 2A	379.69	348.47	369.11	436.13	498.29	VZ 2A
	V-THETA 2	415.53	418.33	423.38	435.31	390.83	V-THETA 2
	V-THETA 2A	32.89	21.83	-6.73	29.36	70.75	V-THETA 2A
	M 2	0.4920	0.4626	0.4591	0.5063	0.5146	M 2
	M 2A	0.3344	0.3041	0.3197	0.3778	0.4325	M 2A
	TURN(PR)	43.223	49.051	54.794	44.823	32.999	TURN(PR)
	UUBAR	0.0897	0.1343	0.0643	0.1624	0.1430	UUBAR
	LOSS PARA	0.0352	0.0558	0.0290	0.0764	0.0694	LOSS PARA
	DFAC	0.5748	0.6440	0.6631	0.5756	0.4179	DFAC
	EFFP	0.8436	0.7771	0.8865	0.6778	0.5784	EFFP
	INCID	7.236	15.426	19.050	14.674	5.077	INCID
	DEVM	13.613	11.075	6.456	11.851	16.978	DEVM
	P 2	18.997	18.927	18.932	19.817	20.420	P 2
	P 2A	18.737	18.580	18.768	19.301	19.938	P 2A
	T 2	561.190	561.890	567.280	573.520	585.550	T 2
	T 2A	561.190	561.870	567.220	573.090	584.980	T 2A
	P21	18.971	18.714	19.057	19.624	20.190	P21
	UUBAR	0.0833	0.0587	0.1102	0.1098	0.0818	UUBAR
	LOSS PARA	0.0326	0.0243	0.0497	0.0516	0.0396	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.16 EQUIVALENT ROTOR SPEED = 5454.66 CORRECTED WEIGHT FLOW = 211.07

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.496	0.166	0.098	0.097	0.906	BETA 1
ROTOR -T.E.	BETA 2	49.410	49.448	46.160	39.776	38.215	BETA 2
	BETA(PR) 1	60.837	60.190	61.861	63.481	67.007	BETA(PR) 1
	BETA(PR) 2	28.778	40.725	48.170	51.384	54.769	BETA(PR) 2
	V 1	325.32	392.57	418.50	440.35	414.62	V 1
	V 2	553.25	532.58	528.65	549.13	561.01	V 2
	VZ 1	308.63	384.99	416.37	440.24	414.22	VZ 1
	VZ 2	354.29	344.30	365.62	422.02	440.40	VZ 2
	V-THETA 1	2.67	1.11	0.71	0.74	6.55	V-THETA 1
	V-THETA 2	413.51	402.38	380.73	351.31	346.75	V-THETA 2
	V(PR) 1	641.6	778.2	883.9	986.0	1060.6	V(PR) 1
	V(PR) 2	415.9	457.8	549.0	676.2	763.8	V(PR) 2
	VTHETA PR1	-553.1	-672.0	-778.5	-882.3	-976.2	VTHETA PR1
	VTHETA PR2	-194.6	-296.4	-408.5	-528.4	-623.6	VTHETA PR2
	U 1	555.74	673.08	779.23	883.00	982.72	U 1
	U 2	608.10	698.78	789.22	879.66	970.34	U 2
	M 1	0.2939	0.3561	0.3803	0.4007	0.3766	M 1
	M 2	0.4885	0.4700	0.4649	0.4810	0.4863	M 2
	M(PR) 1	0.5797	0.7059	0.8031	0.8973	0.9634	M(PR) 1
	M(PR) 2	0.3672	0.4040	0.4828	0.5923	0.6621	M(PR) 2
	TURN(PR)	31.639	19.358	13.658	12.093	12.258	TURN(PR)
	UUBAR	0.0879	0.1922	0.1889	0.1152	0.0689	UUBAR
	LOSS PARA	0.0271	0.0552	0.0516	0.0315	0.0185	LOSS PARA
	DFAC	0.5875	0.6108	0.5563	0.4698	0.4283	DFAC
	EFFP	0.9591	0.9655	0.9192	0.8934	0.8224	EFFP
	EFF	0.9576	0.9643	0.9162	0.8891	0.8142	EFF
	INCID	10.937	6.706	5.139	3.475	3.590	INCID
	DEVM	9.098	7.848	5.981	2.782	1.832	DEVM
	P 1	14.564	14.738	14.741	14.749	14.710	P 1
	P 2	18.751	18.872	19.013	19.550	20.299	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.260	558.080	561.400	567.620	580.100	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	46.787	47.583	44.783	38.625	37.373	BETA 2
STATOR-T.E.	BETA 2A	5.840	4.814	3.687	4.955	6.452	BETA 2A
	V 2	566.34	543.92	539.64	562.19	574.26	V 2
	V 2A	403.03	379.22	408.73	471.17	540.31	V 2A
	VZ 2	381.77	365.03	382.59	439.21	455.87	VZ 2
	VZ 2A	397.94	376.83	407.58	469.40	536.67	VZ 2A
	V-THETA 2	406.35	399.52	379.70	350.93	348.20	V-THETA 2
	V-THETA 2A	40.70	31.73	26.26	40.69	60.69	V-THETA 2A
	M 2	0.5006	0.4804	0.4750	0.4930	0.4983	M 2
	M 2A	0.3520	0.3310	0.3564	0.4104	0.4678	M 2A
	TURN(PR)	40.053	42.466	41.035	33.670	30.877	TURN(PR)
	UUBAR	0.0321	0.1178	0.0524	0.0197	0.0299	UUBAR
	LOSS PARA	0.0126	0.0489	0.0236	0.0093	0.0146	LOSS PARA
	DFAC	0.5357	0.5801	0.5355	0.4217	0.3051	DFAC
	EFFP	0.9401	0.7884	0.8955	1.0079	0.9312	EFFP
	INCID	4.949	10.067	10.019	4.625	1.326	INCID
	DEVM	14.497	12.300	11.184	12.955	15.349	DEVM
	P 2	18.751	18.872	19.013	19.550	20.299	P 2
	P 2A	18.656	18.547	18.870	19.491	20.204	P 2A
	T 2	559.260	558.080	561.400	567.620	580.100	T 2
	T 2A	559.270	558.080	561.300	567.070	579.510	T 2A
	P21	18.767	18.604	18.976	19.591	20.360	P21
	UUBAR	0.0394	0.0253	0.0416	0.0351	0.0503	UUBAR
	LOSS PARA	0.0154	0.0105	0.0187	0.0165	0.0245	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.30 EQUIVALENT ROTOR SPEED = 5463.43 CORRECTED WEIGHT FLOW = 231.92

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.350	0.000	-0.028	0.090	0.261	BETA 1
ROTOR -T.E.	BETA 2	43.121	40.073	36.899	35.158	34.580	BETA 2
	BETA(PR) 1	56.846	56.703	58.990	61.475	65.521	BETA(PR) 1
	BETA(PR) 2	28.407	39.236	45.918	51.669	54.920	BETA(PR) 2
	V 1	381.74	451.51	471.68	480.41	447.59	V 1
	V 2	576.20	556.01	555.39	547.30	559.12	V 2
	VZ 1	362.16	442.80	469.28	480.29	447.21	VZ 1
	VZ 2	412.29	422.16	443.26	447.44	459.91	VZ 2
	V-THETA 1	2.21	0.00	-0.23	0.76	2.03	V-THETA 1
	V-THETA 2	386.09	355.15	332.79	315.15	317.04	V-THETA 2
	V(PR) 1	673.1	811.4	912.1	1005.8	1079.4	V(PR) 1
	V(PR) 2	482.4	549.4	638.1	721.5	800.6	V(PR) 2
	VTHETA PR1	-554.4	-674.2	-780.7	-883.7	-982.3	VTHETA PR1
	VTHETA PR2	-223.0	-344.8	-457.7	-565.9	-654.9	VTHETA PR2
	U 1	556.63	674.16	780.48	884.42	984.30	U 1
	U 2	609.08	699.90	790.49	881.08	971.90	U 2
	M 1	0.3460	0.4112	0.4303	0.4385	0.4075	M 1
	M 2	0.5113	0.4927	0.4912	0.4822	0.4878	M 2
	M(PR) 1	0.6101	0.7390	0.8320	0.9181	0.9828	M(PR) 1
	M(PR) 2	0.4280	0.4869	0.5643	0.6357	0.6985	M(PR) 2
	TURN(PR)	27.917	17.324	13.032	9.801	10.620	TURN(PR)
	UUBAR	0.0742	0.1214	0.1030	0.0974	0.0862	UUBAR
	LOSS PARA	0.0230	0.0356	0.0294	0.0265	0.0231	LOSS PARA
	DFAC	0.4933	0.4919	0.4511	0.4195	0.3934	DFAC
	EFFP	0.9700	0.9612	0.9649	0.9309	0.8299	EFFP
	EFF	0.9690	0.9599	0.9637	0.9283	0.8228	EFF
	INCID	6.852	3.188	2.261	1.469	2.103	INCID
	DEVM	8.735	6.364	3.729	3.068	1.982	DEVM
	P 1	14.557	14.738	14.744	14.750	14.679	P 1
	P 2	18.458	18.581	18.845	19.042	19.575	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.270	555.690	557.800	561.000	572.730	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	40.923	38.670	35.873	34.181	33.843	BETA 2
STATOR-T.E.	BETA 2A	5.768	4.063	3.372	2.305	5.073	BETA 2A
	V 2	590.30	568.20	567.21	560.34	572.32	V 2
	V 2A	478.90	465.24	477.02	499.52	554.85	V 2A
	VZ 2	437.64	440.63	458.94	463.55	474.79	VZ 2
	VZ 2A	472.91	462.78	475.84	499.11	552.45	VZ 2A
	V-THETA 2	379.41	352.63	331.89	314.81	318.36	V-THETA 2
	V-THETA 2A	47.77	32.87	28.03	20.09	49.04	V-THETA 2A
	M 2	0.5244	0.5041	0.5021	0.4943	0.4999	M 2
	M 2A	0.4215	0.4093	0.4192	0.4387	0.4842	M 2A
	TURN(PR)	34.272	34.309	32.443	31.876	28.728	TURN(PR)
	UUBAR	0.0169	0.0443	0.0543	0.0294	0.0250	UUBAR
	LOSS PARA	0.0066	0.0184	0.0244	0.0139	0.0122	LOSS PARA
	DFAC	0.4036	0.4119	0.3985	0.3562	0.2617	DFAC.
	EFFP	0.9547	0.8801	0.8338	0.9631	0.9515	EFFP
	INCID	-0.904	1.160	1.112	0.181	-2.202	INCID
	DEVM	14.425	11.552	10.869	10.305	13.971	DEVM
	P 2	18.458	18.581	18.845	19.042	19.575	P 2
	P 2A	18.405	18.450	18.684	18.956	19.498	P 2A
	T 2	556.270	555.690	557.800	561.000	572.730	T 2
	T 2A	556.280	555.670	557.780	560.460	572.140	T 2A
	P21	18.558	18.542	18.804	19.009	19.603	P21
	UUBAR	0.0463	0.0308	0.0401	0.0173	0.0330	UUBAR
	LOSS PARA	0.0180	0.0127	0.0180	0.0081	0.0161	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.51 EQUIVALENT ROTOR SPEED = 5415.36 CORRECTED WEIGHT FLOW = 237.34

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	-0.049	-0.211	-0.134	-0.057	0.549	BETA 1
ROTOR -T.E.	BETA 2	32.907	28.600	26.892	24.315	24.855	BETA 2
	BETA(PR) 1	52.868	53.177	55.750	59.049	62.951	BETA(PR) 1
	BETA(PR) 2	37.219	39.373	45.878	52.579	56.544	BETA(PR) 2
	V 1	440.61	511.57	530.27	526.15	496.19	V 1
	V 2	524.76	584.49	572.54	544.90	537.74	V 2
	VZ 1	418.02	501.69	527.56	526.03	495.75	VZ 1
	VZ 2	429.18	507.93	509.36	496.54	487.38	VZ 2
	V-THETA 1	-0.36	-1.85	-1.23	-0.53	4.75	V-THETA 1
	V-THETA 2	277.72	276.93	258.33	224.36	225.77	V-THETA 2
	V(PR) 1	706.4	843.0	938.9	1022.9	1090.3	V(PR) 1
	V(PR) 2	551.8	662.3	732.7	817.2	884.4	V(PR) 2
	VTHETA PR1	-552.1	-670.1	-774.8	-877.2	-970.9	VTHETA PR1
	VTHETA PR2	-326.0	-416.8	-525.2	-649.0	-737.6	VTHETA PR2
	U 1	551.74	668.23	773.61	876.63	975.64	U 1
	U 2	603.72	693.75	783.54	873.33	963.35	U 2
	M 1	0.4010	0.4682	0.4861	0.4821	0.4535	M 1
	M 2	0.4661	0.5231	0.5118	0.4859	0.4771	M 2
	M(PR) 1	0.6428	0.7715	0.8607	0.9373	0.9965	M(PR) 1
	M(PR) 2	0.4902	0.5928	0.6550	0.7287	0.7848	M(PR) 2
	TURN(PR)	15.197	13.640	9.826	6.465	6.423	TURN(PR)
	UUBAR	-0.1327	0.0521	0.0660	0.0628	0.0569	UUBAR
	LOSS PARA	-0.0372	0.0153	0.0188	0.0167	0.0146	LOSS PARA
	DFAC	0.3636	0.3420	0.3336	0.2973	0.2827	DFAC
	EFFP	1.0345	1.0086	1.0073	0.9593	0.9148	EFFP
	EFF	1.0355	1.0089	1.0075	0.9582	0.9123	EFF
	INCID	2.807	-0.360	-0.986	-0.957	-0.469	INCID
	DEVM	17.411	6.500	3.688	3.978	3.608	DEVM
	P 1	14.526	14.764	14.794	14.794	14.681	P 1
	P 2	18.001	17.918	17.980	17.805	17.990	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	550.350	547.950	548.200	548.120	552.700	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	31.379	27.641	26.172	23.681	24.371	BETA 2
STATOR-T.E.	BETA 2A	4.426	3.875	3.074	1.857	4.105	BETA 2A
	V 2	536.91	597.88	585.15	557.99	550.21	V 2
	V 2A	623.92	593.87	580.29	566.42	580.29	V 2A
	VZ 2	447.47	525.04	524.21	511.01	500.47	VZ 2
	VZ 2A	617.39	590.86	579.02	566.12	578.57	VZ 2A
	V-THETA 2	272.92	274.96	257.63	224.12	226.72	V-THETA 2
	V-THETA 2A	47.78	40.02	31.09	18.36	41.52	V-THETA 2A
	M 2	0.4774	0.5358	0.5236	0.4981	0.4887	M 2
	M 2A	0.5593	0.5320	0.5190	0.5061	0.5165	M 2A
	TURN(PR)	26.159	23.517	23.050	21.824	20.231	TURN(PR)
	UUBAR	0.0357	0.0195	0.0404	0.0446	0.0723	UUBAR
	LOSS PARA	0.0140	0.0081	0.0182	0.0210	0.0353	LOSS PARA
	DFAC	-0.0022	0.1675	0.1813	0.1585	0.1107	DFAC
	EFFP	1.0979	-0.2514	-1.0560	2.1821	2.0385	EFFP
	INCID	-10.349	-9.819	-8.579	-10.319	-11.666	INCID
	DEVM	13.092	11.364	10.572	9.857	13.003	DEVM
	P 2	18.001	17.918	17.980	17.805	17.990	P 2
	P 2A	17.908	17.856	17.856	17.681	17.795	P 2A
	T 2	550.350	547.950	548.200	548.120	552.700	T 2
	T 2A	550.400	548.000	548.250	548.070	553.350	T 2A
	P21	18.187	17.996	17.981	18.805	17.960	P21
	UUBAR	0.0999	0.0427	0.0403	0.2975	0.0615	UUBAR
	LOSS PARA	0.0391	0.0177	0.0181	0.1400	0.0300	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.53 EQUIVALENT ROTOR SPEED = 6082.09 CORRECTED WEIGHT FLOW = 183.96

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.244	0.241	0.241	0.568	5.283	BETA 1
ROTOR -T.E.	BETA 2	52.000	57.013	63.113	57.160	47.844	BETA 2
	BETA(PR) 1	64.119	65.008	68.273	69.786	71.933	BETA(PR) 1
	BETA(PR) 2	29.378	44.617	49.688	49.911	52.050	BETA(PR) 2
	V 1	316.24	356.03	347.43	361.31	348.76	V 1
	V 2	606.18	568.50	617.97	660.76	675.84	V 2
	VZ 1	300.02	349.16	345.66	361.21	346.99	VZ 1
	VZ 2	367.92	308.29	279.29	358.33	453.31	VZ 2
	V-THETA 1	1.28	1.47	1.45	3.58	32.08	V-THETA 1
	V-THETA 2	470.92	474.96	550.82	555.15	500.70	V-THETA 2
	V(PR) 1	694.6	829.3	934.4	1045.4	1118.9	V(PR) 1
	V(PR) 2	434.3	436.1	432.3	556.4	737.5	V(PR) 2
	VTHETA PR1	-618.4	-749.0	-867.4	-981.0	-1063.7	VTHETA PR1
	VTHETA PR2	-207.1	-304.2	-329.2	-425.7	-581.3	VTHETA PR2
	U 1	619.66	750.50	868.86	984.56	1095.76	U 1
	U 2	678.05	779.16	880.00	980.85	1081.96	U 2
	M 1	0.2856	0.3222	0.3143	0.3271	0.3155	M 1
	M 2	0.5314	0.4966	0.5380	0.5726	0.5740	M 2
	M(PR) 1	0.6272	0.7506	0.8452	0.9464	1.0122	M(PR) 1
	M(PR) 2	0.3807	0.3809	0.3763	0.4822	0.6264	M(PR) 2
	TURN(PR)	34.429	20.341	18.572	19.871	19.907	TURN(PR)
	UUBAR	0.0824	0.2600	0.4182	0.3764	0.2449	UUBAR
	LOSS PARA	0.0253	0.0701	0.1109	0.1063	0.0702	LOSS PARA
	DFAC	0.6235	0.6947	0.7800	0.6986	0.5346	DFAC
	EFFP	0.9388	0.9000	0.8576	0.8392	0.6733	EFFP
	EFF	0.9359	0.8955	0.8506	0.8303	0.6544	EFF
	INCID	14.316	11.577	11.572	9.781	8.518	INCID
	DEVN	9.686	11.737	7.500	1.310	-0.888	DEVN
	P 1	14.591	14.699	14.698	14.729	14.728	P 1
	P 2	20.133	20.042	20.649	21.565	22.000	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.100	572.350	580.900	590.600	615.000	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	49.060	54.557	60.399	54.760	46.457	BETA 2
STATOR-T.E.	BETA 2A	4.581	2.079	-11.589	-2.775	9.376	BETA 2A
	V 2	621.47	581.03	632.13	678.98	694.21	V 2
	V 2A	454.86	370.00	405.44	475.93	569.98	V 2A
	VZ 2	401.44	335.67	312.07	391.77	477.86	VZ 2
	VZ 2A	450.00	368.72	396.89	475.36	562.14	VZ 2A
	V-THETA 2	462.77	471.59	549.33	554.55	502.79	V-THETA 2
	V-THETA 2A	36.06	13.38	-81.39	-23.04	92.82	V-THETA 2A
	M 2	0.5456	0.5081	0.5511	0.5894	0.5907	M 2
	M 2A	0.3939	0.3187	0.3474	0.4062	0.4802	M 2A
	TURN(PR)	43.582	52.183	71.925	57.535	37.036	TURN(PR)
	UUBAR	0.0768	0.2172	0.2496	0.3000	0.1629	UUBAR
	LOSS PARA	0.0301	0.0904	0.1102	0.1413	0.0788	LOSS PARA
	DFAC	0.5314	0.6871	0.8060	0.6997	0.4691	DFAC
	EFFP	0.8515	0.6644	0.6183	0.4772	0.6227	EFFP
	INCID	7.229	17.056	25.644	20.760	10.408	INCID
	DEVN	13.247	9.573	-4.081	5.225	18.273	DEVN
	P 2	20.133	20.042	20.649	21.565	22.000	P 2
	P 2A	19.850	19.339	19.688	20.209	21.246	P 2A
	T 2	572.100	572.350	580.900	590.600	615.000	T 2
	T 2A	572.100	572.300	580.700	590.100	613.500	T 2A
	P21	20.164	19.496	19.825	20.554	21.778	P21
	UUBAR	0.0830	0.0564	0.0435	0.0968	0.1195	UUBAR
	LOSS PARA	0.0325	0.0234	0.0192	0.0455	0.0578	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 98.96 EQUIVALENT ROTOR SPEED = 5986.90 CORRECTED WEIGHT FLOW = 211.76

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.976	0.963	0.961	2.237	4.916	BETA 1
ROTOR -T.E.	BETA 2	52.394	55.405	57.331	48.186	42.045	BETA 2
	BETA(PR) 1	62.197	62.540	64.348	65.174	68.320	BETA(PR) 1
	BETA(PR) 2	28.351	42.731	48.072	50.086	52.450	BETA(PR) 2
	V 1	336.04	388.14	409.60	440.84	416.51	V 1
	V 2	603.52	571.56	600.93	626.03	651.58	V 2
	VZ 1	318.77	380.60	407.45	440.40	414.62	VZ 1
	VZ 2	363.16	323.12	324.08	417.38	483.51	VZ 2
	V-THETA 1	5.43	6.39	6.83	17.20	35.66	V-THETA 1
	V-THETA 2	471.48	468.47	505.40	466.58	436.03	V-THETA 2
	V(PR) 1	691.6	828.8	942.1	1048.9	1122.5	V(PR) 1
	V(PR) 2	424.7	443.1	485.7	650.5	793.8	V(PR) 2
	VTHETA PR1	-604.5	-732.4	-848.4	-952.0	-1042.9	VTHETA PR1
	VTHETA PR2	-196.0	-298.5	-360.8	-498.9	-629.0	VTHETA PR2
	U 1	609.97	738.75	855.26	969.15	1078.61	U 1
	U 2	667.44	766.96	866.23	965.50	1065.02	U 2
	M 1	0.3038	0.3520	0.3719	0.4012	0.3784	M 1
	M 2	0.5295	0.4997	0.5234	0.5433	0.5587	M 2
	M(PR) 1	0.6252	0.7516	0.8555	0.9546	1.0197	M(PR) 1
	M(PR) 2	0.3726	0.3873	0.4231	0.5645	0.6806	M(PR) 2
	TURN(PR)	33.455	19.728	16.251	15.084	15.891	TURN(PR)
	UUBAR	0.0700	0.2222	0.3178	0.1965	0.0668	UUBAR
	LOSS PARA	0.0217	0.0619	0.0871	0.0553	0.0190	LOSS PARA
	DFAC	0.6341	0.6808	0.7029	0.5673	0.4578	DFAC
	EFFP	0.9430	0.9026	0.8585	0.8630	0.8055	EFFP
	EFF	0.9404	0.8983	0.8518	0.8557	0.7937	EFF
	INCID	12.335	9.080	7.633	5.168	4.903	INCID
	DEVM	8.680	9.852	5.883	1.484	-0.488	DEVM
	P 1	14.592	14.735	14.737	14.744	14.684	P 1
	P 2	20.046	20.041	20.463	21.230	22.282	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	571.080	571.740	578.580	585.250	601.400	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	49.422	53.074	55.182	46.518	40.954	BETA 2
STATOR-T.E.	BETA 2A	4.630	3.659	-3.003	4.565	8.597	BETA 2A
	V 2	618.69	584.21	614.39	642.33	668.67	V 2
	V 2A	427.55	371.60	413.92	487.94	592.29	V 2A
	VZ 2	396.80	349.57	350.54	442.01	504.52	VZ 2
	VZ 2A	422.96	369.81	413.04	486.39	585.40	VZ 2A
	V-THETA 2	463.32	465.15	504.03	466.07	437.86	V-THETA 2
	V-THETA 2A	34.25	23.65	-21.67	38.84	88.50	V-THETA 2A
	M 2	0.5435	0.5113	0.5358	0.5583	0.5743	M 2
	M 2A	0.3700	0.3203	0.3555	0.4188	0.5055	M 2A
	TURN(PR)	43.897	49.120	58.123	41.953	32.313	TURN(PR)
	UUBAR	0.0919	0.1909	0.1777	0.1770	0.1082	UUBAR
	LOSS PARA	0.0361	0.0794	0.0799	0.0832	0.0524	LOSS PARA
	DFAC	0.5750	0.6741	0.7095	0.5535	0.3709	DFAC
	EFFP	0.8429	0.7063	0.7117	0.6407	0.6162	EFFP
	INCID	7.593	15.569	20.422	12.518	4.906	INCID
	DEVM	13.295	11.149	4.499	12.565	17.493	DEVM
	P 2	20.046	20.041	20.463	21.230	22.282	P 2
	P 2A	19.711	19.416	19.817	20.514	21.800	P 2A
	T 2	571.080	571.740	578.580	585.250	601.400	T 2
	T 2A	571.050	571.700	578.370	584.820	600.550	T 2A
	P21	20.111	19.908	20.391	21.128	22.120	P21
	UUBAR	0.1056	0.1541	0.1588	0.1535	0.0722	UUBAR
	LOSS PARA	0.0414	0.0640	0.0714	0.0721	0.0349	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 99.09 EQUIVALENT ROTOR SPEED = 5995.05 CORRECTED WEIGHT FLOW = 227.93

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.907	0.741	1.142	1.793	3.205	BETA 1
ROTOR -T.E.	BETA 2	51.633	53.269	50.979	40.597	40.210	BETA 2
	BETA(PR) 1	61.051	61.334	61.668	63.757	67.362	BETA(PR) 1
	BETA(PR) 2	28.955	41.585	48.797	50.343	53.909	BETA(PR) 2
	V 1	353.07	409.54	459.28	471.51	441.22	V 1
	V 2	601.43	579.28	580.53	617.11	630.36	V 2
	VZ 1	334.93	401.60	456.84	471.17	440.15	VZ 1
	VZ 2	367.94	344.79	365.05	468.56	481.01	VZ 2
	V-THETA 1	5.30	5.19	9.10	14.75	24.64	V-THETA 1
	V-THETA 2	464.77	462.05	450.47	401.56	406.63	V-THETA 2
	V(PR) 1	700.9	841.0	963.7	1065.6	1143.7	V(PR) 1
	V(PR) 2	432.6	464.4	554.9	734.2	817.0	V(PR) 2
	VTHETA PR1	-605.5	-734.6	-847.3	-955.7	-1055.4	VTHETA PR1
	VTHETA PR2	-203.6	-306.0	-416.9	-565.2	-659.8	VTHETA PR2
	U 1	610.80	739.76	856.42	970.47	1080.08	U 1
	U 2	668.34	768.01	867.41	966.81	1066.47	U 2
	M 1	0.3195	0.3719	0.4185	0.4301	0.4015	M 1
	M 2	0.5280	0.5077	0.5070	0.5371	0.5407	M 2
	M(PR) 1	0.6342	0.7637	0.8783	0.9720	1.0408	M(PR) 1
	M(PR) 2	0.3798	0.4071	0.4846	0.6390	0.7008	M(PR) 2
	TURN(PR)	31.684	19.653	12.838	13.410	13.473	TURN(PR)
	UUBAR	0.0648	0.2072	0.2260	0.0874	0.0473	UUBAR
	LOSS PARA	0.0200	0.0587	0.0610	0.0245	0.0130	LOSS PARA
	DFAC	0.6242	0.6576	0.6132	0.4698	0.4402	DFAC
	EFFP	0.9514	0.9367	0.8873	0.8942	0.8132	EFFP
	EFF	0.9492	0.9338	0.8822	0.8887	0.8022	EFF
	INCID	11.156	7.861	4.946	3.751	3.945	INCID
	DEVM	9.272	8.708	6.608	1.742	0.971	DEVM
	P 1	14.532	14.737	14.778	14.788	14.634	P 1
	P 2	19.900	20.038	20.217	21.112	22.013	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	570.050	569.670	573.780	581.200	598.700	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	48.734	51.080	49.289	39.321	39.221	BETA 2
STATOR-T.E.	BETA 2A	4.672	4.211	2.828	6.093	6.804	BETA 2A
	V 2	616.52	592.26	593.23	633.03	646.43	V 2
	V 2A	426.11	385.70	426.96	514.01	602.34	V 2A
	VZ 2	400.77	370.44	386.56	489.72	500.29	VZ 2
	VZ 2A	421.50	383.58	426.13	511.10	597.85	VZ 2A
	V-THETA 2	456.73	458.76	449.25	401.13	408.33	V-THETA 2
	V-THETA 2A	34.44	28.24	21.05	54.56	71.33	V-THETA 2A
	M 2	0.5420	0.5197	0.5186	0.5517	0.5553	M 2
	M 2A	0.3690	0.3333	0.3686	0.4436	0.5157	M 2A
	TURN(PR)	43.165	46.570	46.400	33.228	32.372	TURN(PR)
	UUBAR	0.0724	0.1761	0.0891	0.0610	0.0283	UUBAR
	LOSS PARA	0.0284	0.0732	0.0401	0.0286	0.0138	LOSS PARA
	DFAC	0.5716	0.6471	0.6032	0.4457	0.3243	DFAC
	EFFP	0.8752	0.7196	0.8406	0.8787	0.9589	EFFP
	INCID	6.901	13.569	14.526	5.321	3.173	INCID
	DEVM	13.337	11.699	10.326	14.093	15.701	DEVM
	P 2	19.900	20.038	20.217	21.112	22.013	P 2
	P 2A	19.639	19.444	19.915	20.872	21.895	P 2A
	T 2	570.050	569.670	573.780	581.200	598.700	T 2
	T 2A	570.050	569.670	573.630	580.680	597.950	T 2A
	P21	19.913	19.683	20.056	21.089	20.946	P21
	UUBAR	0.0776	0.0812	0.0458	0.0572	0.0435	UUBAR
	LOSS PARA	0.0304	0.0337	0.0206	0.0268	0.0212	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 98.48 EQUIVALENT ROTOR SPEED = 5958.16 CORRECTED WEIGHT FLOW = 254.36

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	0.770	DIA
ROTOR -L.E.	BETA 1	0.224	0.648	0.708	0.875	1.836	BETA 1
ROTOR -T.E.	BETA 2	45.317	41.661	38.504	36.722	37.871	BETA 2
	BETA(PR) 1	56.862	55.709	58.210	61.062	64.995	BETA(PR) 1
	BETA(PR) 2	27.869	38.458	44.748	51.801	54.669	BETA(PR) 2
	V 1	416.65	507.34	526.24	528.99	493.96	V 1
	V 2	624.88	611.24	617.71	594.41	614.07	V 2
	VZ 1	395.28	497.52	523.52	528.80	493.28	VZ 1
	VZ 2	431.35	453.26	482.48	476.43	484.33	VZ 2
	V-THETA 1	1.55	5.62	6.47	8.08	15.81	V-THETA 1
	V-THETA 2	436.15	403.29	383.83	355.41	376.64	V-THETA 2
	V(PR) 1	735.0	888.6	995.2	1092.9	1167.2	V(PR) 1
	V(PR) 2	502.3	583.6	680.4	770.4	837.9	V(PR) 2
	VTHETA PR1	-605.5	-729.6	-844.7	-956.4	-1057.6	VTHETA PR1
	VTHETA PR2	-228.1	-360.0	-478.2	-605.5	-683.3	VTHETA PR2
	U 1	607.04	735.21	851.15	964.50	1073.43	U 1
	U 2	664.23	763.28	862.07	960.86	1059.91	U 2
	M 1	0.3785	0.4641	0.4822	0.4849	0.4514	M 1
	M 2	0.5520	0.5400	0.5440	0.5201	0.5301	M 2
	M(PR) 1	0.6677	0.8129	0.9119	1.0017	1.0666	M(PR) 1
	M(PR) 2	0.4437	0.5156	0.5992	0.6741	0.7233	M(PR) 2
	TURN(PR)	28.460	17.100	13.421	9.256	10.345	TURN(PR)
	UUBAR	0.0801	0.0937	0.0893	0.0843	0.0940	UUBAR
	LOSS PARA	0.0249	0.0278	0.0260	0.0229	0.0253	LOSS PARA
	DFAC	0.5342	0.5161	0.4728	0.4341	0.4252	DFAC
	EFFP	0.9532	0.9939	0.9688	0.9024	0.7922	EFFP
	EFF	0.9512	0.9937	0.9674	0.8980	0.7815	EFF
	INCID	6.868	2.188	1.479	1.056	1.576	INCID
	DEVM	8.208	5.588	2.558	3.200	1.732	DEVM
	P 1	14.555	14.748	14.810	14.777	14.653	P 1
	P 2	19.455	19.765	20.187	20.249	20.940	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.840	564.250	568.320	573.110	589.980	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	42.885	40.109	37.340	35.635	36.978	BETA 2
STATOR-T.E.	BETA 2A	6.118	4.336	3.749	2.472	5.406	BETA 2A
	V 2	641.15	625.61	631.99	609.35	629.47	V 2
	V 2A	502.60	483.73	510.40	536.39	589.06	V 2A
	VZ 2	461.47	475.37	501.75	495.24	502.32	VZ 2
	VZ 2A	496.00	481.00	508.93	535.88	586.20	VZ 2A
	V-THETA 2	428.60	400.42	382.79	355.02	378.22	V-THETA 2
	V-THETA 2A	53.17	36.47	33.35	23.13	55.47	V-THETA 2A
	M 2	0.5673	0.5535	0.5574	0.5339	0.5441	M 2
	M 2A	0.4393	0.4228	0.4454	0.4672	0.5077	M 2A
	TURN(PR)	35.878	35.472	33.532	33.163	31.527	TURN(PR)
	UUBAR	0.0243	0.0861	0.0752	0.0058	0.0459	UUBAR
	LOSS PARA	0.0095	0.0357	0.0338	0.0027	0.0224	LOSS PARA
	DFAC	0.4401	0.4653	0.4396	0.3762	0.3161	DFAC
	EFFP	0.9443	0.8087	0.8102	1.0601	0.8208	EFFP
	INCID	1.050	2.596	2.578	1.635	0.931	INCID
	DEVM	14.772	11.824	11.246	10.472	14.304	DEVM
	P 2	19.455	19.765	20.187	20.249	20.940	P 2
	P 2A	19.363	19.445	19.899	20.229	20.765	P 2A
	T 2	565.840	564.250	568.320	573.110	589.980	T 2
	T 2A	565.840	564.250	568.280	572.540	589.100	T 2A
	P21	19.532	19.615	20.027	20.285	20.971	P21
	UUBAR	0.0436	0.0477	0.0350	0.0157	0.0535	UUBAR
	LOSS PARA	0.0170	0.0197	0.0157	0.0073	0.0261	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Uniform Inlet

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.22 EQUIVALENT ROTOR SPEED = 6063.38 CORRECTED WEIGHT FLOW = 278.67

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.584	0.574	0.573	1.069	1.404	BETA 1
ROTOR -T.E.	BETA 2	33.081	29.473	28.306	27.101	26.011	BETA 2
	BETA(PR) 1	52.444	52.747	56.161	59.544	63.505	BETA(PR) 1
	BETA(PR) 2	28.937	39.217	45.863	53.944	57.218	BETA(PR) 2
	V 1	496.77	575.83	579.83	571.12	538.57	V 1
	V 2	687.58	652.53	636.56	582.65	588.77	V 2
	VZ 1	471.28	564.69	576.84	570.88	537.95	VZ 1
	VZ 2	561.29	562.37	559.09	518.66	528.54	VZ 2
	V-THETA 1	4.81	5.66	5.76	10.65	13.18	V-THETA 1
	V-THETA 2	365.64	317.83	301.12	265.42	257.92	V-THETA 2
	V(PR) 1	789.0	939.6	1037.5	1126.4	1206.1	V(PR) 1
	V(PR) 2	659.8	731.7	804.1	881.2	976.6	V(PR) 2
	VTHETA PR1	-613.0	-742.5	-860.4	-970.9	-1079.2	VTHETA PR1
	VTHETA PR2	-310.3	-458.9	-576.2	-712.4	-820.7	VTHETA PR2
	U 1	617.76	748.19	866.18	981.54	1092.39	U 1
	U 2	675.96	776.76	877.30	977.83	1078.63	U 2
	M 1	0.4541	0.5301	0.5340	0.5255	0.4941	M 1
	M 2	0.6149	0.5823	0.5667	0.5168	0.5192	M 2
	M(PR) 1	0.7211	0.8650	0.9555	1.0364	1.1064	M(PR) 1
	M(PR) 2	0.5900	0.6530	0.7158	0.7816	0.8613	M(PR) 2
	TURN(PR)	22.923	13.363	10.252	5.595	6.303	TURN(PR)
	UUBAR	-0.0224	0.0469	0.0817	0.1142	0.0945	UUBAR
	LOSS PARA	-0.0069	0.0138	0.0233	0.0295	0.0239	LOSS PARA
	DFAC	0.3321	0.3496	0.3425	0.3166	0.2842	DFAC
	EFFP	1.0124	0.9546	0.9299	0.8359	0.7940	EFFP
	EFF	1.0129	0.9530	0.9274	0.8309	0.7871	EFF
	INCID	2.378	-0.792	-0.574	-0.462	0.086	INCID
	DEVN	9.254	6.344	3.673	5.343	4.282	DEVN
	P 1	14.444	14.781	14.788	14.794	14.681	P 1
	P 2	18.927	18.875	18.844	18.247	18.522	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.820	558.080	558.810	557.260	563.950	T 2I
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	31.334	28.408	27.480	26.356	25.461	BETA 2
STATOR-T.E.	BETA 2A	4.810	3.948	3.420	1.813	4.232	BETA 2A
	V 2	707.80	669.06	651.94	597.23	603.30	V 2
	V 2A	699.56	661.70	644.65	601.08	638.62	V 2A
	VZ 2	590.17	583.45	577.36	535.14	543.95	VZ 2
	VZ 2A	691.86	658.28	643.02	600.77	636.62	VZ 2A
	V-THETA 2	359.31	315.57	300.30	265.14	259.00	V-THETA 2
	V-THETA 2A	58.21	45.42	38.43	19.02	47.11	V-THETA 2A
	M 2	0.6344	0.5981	0.5813	0.5304	0.5328	M 2
	M 2A	0.6264	0.5910	0.5744	0.5341	0.5661	M 2A
	TURN(PR)	25.733	24.206	24.010	24.543	21.193	TURN(PR)
	UUBAR	0.0347	0.0487	0.0673	0.0783	0.0383	UUBAR
	LOSS PARA	0.0136	0.0202	0.0303	0.0369	0.0187	LOSS PARA
	DFAC	0.1740	0.1762	0.1906	0.1876	0.1140	DFAC
	EFFP	-0.2679	-0.9199	-1.6411	6.0730	1.1600	EFFP
	INCID	-10.393	-9.057	-7.272	-7.644	-10.577	INCID
	DEVN	13.474	11.436	10.918	9.813	13.130	DEVN
	P 2	18.927	18.875	18.844	18.247	18.522	P 2
	P 2A	18.771	18.678	18.584	17.998	18.397	P 2A
	T 2	559.820	558.080	558.810	557.260	563.950	T 2
	T 2A	559.820	558.080	558.810	557.240	563.550	T 2A
	P2I	19.107	18.879	18.816	18.157	18.660	P2I
	UUBAR	0.0701	0.0474	0.0584	0.0488	0.0751	UUBAR
	LOSS PARA	0.0274	0.0196	0.0262	0.0229	0.0366	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 70.46 EQUIVALENT ROTOR SPEED = 4262.80 CORRECTED WEIGHT FLOW = 130.01

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-0.589	0.660	0.224	0.397	-0.047	BETA 1
STATION 2	BETA 2	49.120	48.660	48.360	51.830	64.610	BETA 2
	BETA(PR) 1	59.849	61.183	65.920	74.880	78.317	BETA(PR) 1
	BETA(PR) 2	32.012	43.348	48.080	51.360	54.494	BETA(PR) 2
	V 1	256.66	286.76	270.58	185.62	159.16	V 1
	V 2	417.97	401.11	415.67	441.37	503.60	V 2
	VZ 1	247.49	282.97	269.68	185.59	159.07	VZ 1
	VZ 2	269.43	263.54	275.87	272.77	215.87	VZ 2
	V-THETA 1	-2.54	3.26	1.05	1.29	-0.13	V-THETA 1
	V-THETA 2	311.26	299.56	310.28	347.00	454.82	V-THETA 2
	V(PR) 1	497.4	588.9	661.3	711.5	785.5	V(PR) 1
	V(PR) 2	325.9	364.7	413.4	436.8	371.9	V(PR) 2
	VTHETA PR1	-426.1	-514.4	-603.4	-686.9	-769.2	VTHETA PR1
	VTHETA PR2	-168.4	-248.8	-307.2	-341.2	-302.6	VTHETA PR2
	U 1	423.52	517.64	604.50	688.20	769.11	U 1
	U 2	479.69	548.33	617.52	688.20	757.39	U 2
	M 1	0.2311	0.2586	0.2438	0.1667	0.1429	M 1
	M 2	0.3707	0.3555	0.3677	0.3879	0.4359	M 2
	M(PR) 1	0.4479	0.5310	0.5959	0.6391	0.7051	M(PR) 1
	M(PR) 2	0.2890	0.3232	0.3657	0.3839	0.3219	M(PR) 2
	TURN(PR)	27.813	17.859	17.846	23.519	23.859	TURN(PR)
	UUBAR	0.1264	0.1660	0.1719	0.1948	0.4262	UUBAR
	LOSS PARA	0.0377	0.0458	0.0471	0.0533	0.1153	LOSS PARA
	DFAC	0.5805	0.5769	0.5686	0.5991	0.7944	DFAC
	EFFP	0.9045	0.9201	0.9472	0.8844	0.6425	EFFP
	EFF	0.9025	0.9184	0.9459	0.8809	0.6303	EFF
	INCID	10.337	7.862	9.249	14.879	14.910	INCID
	DEVM	12.324	10.503	5.903	2.760	1.551	DEVM
	P 1	14.893	14.923	14.759	14.440	14.396	P 1
	P 2	17.287	17.323	17.514	17.807	18.256	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.700	543.290	546.180	555.040	576.500	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	49.120	48.660	48.360	51.830	64.610	BETA 2
STATION 2A	BETA 2A	8.120	5.900	5.150	4.800	1.640	BETA 2A
	V 2	417.97	401.11	415.67	441.37	503.60	V 2
	V 2A	293.52	284.24	298.49	334.90	357.27	V 2A
	VZ 2	269.43	263.54	275.87	272.77	215.87	VZ 2
	VZ 2A	289.34	282.28	297.16	333.73	357.04	VZ 2A
	V-THETA 2	311.26	299.56	310.28	347.00	454.82	V-THETA 2
	V-THETA 2A	41.28	29.17	26.78	28.02	10.22	V-THETA 2A
	M 2	0.3707	0.3555	0.3677	0.3879	0.4359	M 2
	M 2A	0.2585	0.2503	0.2624	0.2927	0.3067	M 2A
	TURN(PR)	40.047	42.426	43.136	47.030	62.935	TURN(PR)
	UUBAR	0.0353	0.0608	0.0997	0.1616	0.2599	UUBAR
	LOSS PARA	0.0138	0.0252	0.0447	0.0759	0.1273	LOSS PARA
	DFAC	0.5414	0.5655	0.5857	0.5819	0.7262	DFAC
	EFFP	0.9326	0.8875	0.8098	0.7361	0.5657	EFFP
	INCID	7.232	11.117	13.584	17.830	28.574	INCID
	DEVM	16.785	13.390	12.648	12.800	10.540	DEVM
	P 2	17.287	17.323	17.514	17.807	18.256	P 2
	P 2A	17.231	17.235	17.358	17.523	17.676	P 2A
	T 2	543.700	543.290	546.180	555.040	576.500	T 2
	T 2A	543.710	543.260	546.130	554.100	575.350	T 2A
	P21	17.352	17.372	17.475	17.772	18.176	P21
	UUBAR	0.0747	0.0922	0.0772	0.1451	0.2327	UUBAR
	LOSS PARA	0.0292	0.0382	0.0346	0.0681	0.1139	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 70.39 EQUIVALENT ROTOR SPEED = 4258.64 CORRECTED WEIGHT FLOW = 163.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-0.088	-0.260	0.692	-0.330	-0.720	BETA 1
STATION 2	BETA 2	40.630	39.330	39.460	44.570	47.780	BETA 2
	BETA(PR) 1	54.601	55.945	62.058	69.782	74.333	BETA(PR) 1
	BETA(PR) 2	29.356	39.481	45.228	50.324	54.742	BETA(PR) 2
	V 1	312.14	355.28	319.36	253.78	216.41	V 1
	V 2	453.65	434.14	437.05	440.56	447.76	V 2
	VZ 1	301.00	350.61	318.28	253.74	216.26	VZ 1
	VZ 2	337.37	333.38	336.90	313.85	300.66	VZ 2
	V-THETA 1	-0.46	-1.59	3.84	-1.46	-2.72	V-THETA 1
	V-THETA 2	289.47	273.16	277.32	309.17	331.35	V-THETA 2
	V(PR) 1	526.2	628.7	679.7	734.2	800.9	V(PR) 1
	V(PR) 2	397.5	435.1	479.0	491.6	521.1	V(PR) 2
	VTHETA PR1	-423.6	-518.7	-600.1	-689.0	-771.1	VTHETA PR1
	VTHETA PR2	-189.8	-274.6	-339.6	-378.4	-425.3	VTHETA PR2
	U 1	423.11	517.13	603.91	687.53	768.36	U 1
	U 2	479.22	547.79	616.92	687.53	756.65	U 2
	M 1	0.2818	0.3215	0.2884	0.2285	0.1946	M 1
	M 2	0.4041	0.3865	0.3882	0.3891	0.3903	M 2
	M(PR) 1	0.4750	0.5690	0.6139	0.6611	0.7201	M(PR) 1
	M(PR) 2	0.3541	0.3873	0.4254	0.4341	0.4542	M(PR) 2
	TURN(PR)	25.100	16.451	16.828	19.456	19.626	TURN(PR)
	UUBAR	0.0630	0.1253	0.0544	0.0943	0.1559	UUBAR
	LOSS PARA	0.0193	0.0367	0.0157	0.0264	0.0419	LOSS PARA
	DFAC	0.4505	0.4784	0.4621	0.5160	0.5422	DFAC
	EFFP	0.9490	0.9602	1.0557	1.0176	0.7634	EFFP
	EFF	0.9479	0.9594	1.0571	1.0182	0.7557	EFF
	INCID	5.012	2.592	5.380	9.780	10.924	INCID
	DEVM	9.713	6.642	3.052	1.724	1.798	DEVM
	P 1	15.001	15.106	14.753	14.328	14.224	P 1
	P 2	17.322	17.384	17.527	17.634	17.835	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.660	540.840	543.460	549.830	564.540	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	40.630	39.330	39.460	44.570	47.780	BETA 2
STATION 2A	BETA 2A	6.970	5.060	4.010	4.910	6.090	BETA 2A
	V 2	453.65	434.14	437.05	440.56	447.76	V 2
	V 2A	360.48	349.24	349.37	371.53	388.83	V 2A
	VZ 2	337.37	333.38	336.90	313.85	300.66	VZ 2
	VZ 2A	356.29	347.32	348.37	370.16	386.55	VZ 2A
	V-THETA 2	289.47	273.16	277.32	309.17	331.35	V-THETA 2
	V-THETA 2A	43.56	30.75	24.42	31.80	41.24	V-THETA 2A
	M 2	0.4041	0.3865	0.3882	0.3891	0.3903	M 2
	M 2A	0.3192	0.3093	0.3087	0.3269	0.3379	M 2A
	TURN(PR)	32.709	33.939	35.377	39.660	41.646	TURN(PR)
	UUBAR	0.0238	0.0430	0.0670	0.0305	0.0752	UUBAR
	LOSS PARA	0.0093	0.0178	0.0301	0.0143	0.0366	LOSS PARA
	DFAC	0.4095	0.4224	0.4584	0.4535	0.4518	DFAC
	EFFP	0.9366	0.8852	0.8334	1.0375	0.8633	EFFP
	INCID	-1.251	1.791	4.685	10.570	11.734	INCID
	DEVM	15.640	12.552	11.508	12.910	14.989	DEVM
	P 2	17.322	17.384	17.527	17.634	17.835	P 2
	P 2A	17.279	17.311	17.411	17.580	17.701	P 2A
	T 2	541.660	540.840	543.460	549.830	564.540	T 2
	T 2A	541.680	540.840	543.400	549.200	563.800	T 2A
	P21	17.299	17.357	17.482	17.659	17.785	P21
	UUBAR	0.0120	0.0280	0.0427	0.0452	0.0489	UUBAR
	LOSS PARA	0.0046	0.0115	0.0191	0.0211	0.0237	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 70.48 EQUIVALENT ROTOR SPEED= 4263.84 CORRECTED WEIGHT FLOW = 193.98

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.409	0.230	0.727	-0.010	-0.980	BETA 1
STATION 2	BETA 2	30.600	27.750	28.610	35.550	39.550	BETA 2
	BETA(PR) 1	48.988	50.374	56.586	65.925	71.419	BETA(PR) 1
	BETA(PR) 2	29.693	38.922	45.590	51.200	55.555	BETA(PR) 2
	V 1	379.69	433.00	396.94	307.62	260.31	V 1
	V 2	492.51	469.11	450.14	432.03	430.61	V 2
	VZ 1	366.13	427.31	395.59	307.58	260.11	VZ 1
	VZ 2	413.05	411.24	394.36	351.50	331.71	VZ 2
	V-THETA 1	2.61	1.72	5.02	-0.05	-4.45	V-THETA 1
	V-THETA 2	244.28	216.36	215.10	251.18	273.93	V-THETA 2
	V(PR) 1	566.9	673.6	719.1	754.0	816.3	V(PR) 1
	V(PR) 2	488.2	532.5	564.3	561.0	586.8	V(PR) 2
	VTHETA PR1	-421.0	-516.0	-599.6	-688.4	-773.7	VTHETA PR1
	VTHETA PR2	-235.5	-332.1	-402.6	-437.2	-483.6	VTHETA PR2
	U 1	423.62	517.76	604.65	688.37	769.30	U 1
	U 2	479.81	548.46	617.67	688.37	757.58	U 2
	M 1	0.3441	0.3938	0.3601	0.2777	0.2344	M 1
	M 2	0.4413	0.4199	0.4016	0.3829	0.3784	M 2
	M(PR) 1	0.5138	0.6127	0.6524	0.6806	0.7352	M(PR) 1
	M(PR) 2	0.4374	0.4766	0.5034	0.4972	0.5156	M(PR) 2
	TURN(PR)	19.111	11.417	10.985	14.722	15.896	TURN(PR)
	UUBAR	0.0391	0.0503	-0.0037	0.0172	0.0864	UUBAR
	LOSS PARA	0.0120	0.0148	-0.0011	0.0047	0.0228	LOSS PARA
	DFAC	0.2984	0.3338	0.3364	0.4021	0.4389	DFAC
	EFFP	0.9207	0.9335	1.0294	1.0486	0.8673	EFFP
	EFF	0.9193	0.9324	1.0300	1.0499	0.8635	EFF
	INCID	-0.645	-2.999	-0.101	5.922	8.008	INCID
	DEVM	10.044	6.085	3.414	2.600	2.613	DEVM
	P 1	15.184	15.278	14.836	14.121	13.954	P 1
	P 2	17.150	17.203	17.129	16.977	17.090	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	538.670	537.890	539.810	545.400	554.520	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	30.600	27.750	28.610	35.550	39.550	BETA 2
STATION 2A	BETA 2A	4.400	4.310	2.810	3.525	5.490	BETA 2A
	V 2	492.51	469.11	450.14	432.03	430.61	V 2
	V 2A	471.70	457.78	436.70	426.78	435.33	V 2A
	VZ 2	413.05	411.24	394.36	351.50	331.71	VZ 2
	VZ 2A	468.28	455.74	435.99	425.97	433.23	VZ 2A
	V-THETA 2	244.28	216.36	215.10	251.18	273.93	V-THETA 2
	V-THETA 2A	36.03	34.35	21.40	26.24	41.64	V-THETA 2A
	M 2	0.4413	0.4199	0.4016	0.3829	0.3784	M 2
	M 2A	0.4219	0.4094	0.3892	0.3782	0.3828	M 2A
	TURN(PR)	25.354	23.163	25.737	32.025	34.016	TURN(PR)
	UUBAR	0.0352	0.0362	0.0366	-0.0052	0.0430	UUBAR
	LOSS PARA	0.0138	0.0150	0.0165	-0.0025	0.0210	LOSS PARA
	DFAC	0.2015	0.1814	0.2215	0.2576	0.2558	DFAC
	EFFP	0.6065	0.2959	0.4374	-17.8262	1.3171	EFFP
	INCID	-11.165	-9.734	-6.154	1.550	3.505	INCID
	DEVM	13.081	11.803	10.309	11.525	14.389	DEVM
	P 2	17.150	17.203	17.129	16.977	17.090	P 2
	P 2A	17.075	17.132	17.063	16.986	17.021	P 2A
	T 2	538.670	537.890	539.810	545.400	554.520	T 2
	T 2A	538.675	537.890	539.765	545.000	554.120	T 2A
	P21	17.215	17.258	17.141	17.050	17.082	P21
	UUBAR	0.0607	0.0591	0.0394	0.0318	0.0346	UUBAR
	LOSS PARA	0.0237	0.0244	0.0177	0.0152	0.0168	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 89.85 EQUIVALENT ROTOR SPEED = 5435.82 CORRECTED WEIGHT FLOW = 192.83

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-0.050	0.070	2.170	0.300	2.960	BETA 1
STATION 2	BETA 2	46.910	44.400	45.330	50.500	53.190	BETA 2
	BETA(PR) 1	55.965	57.327	61.891	70.314	74.799	BETA(PR) 1
	BETA(PR) 2	30.775	41.105	45.999	48.704	52.320	BETA(PR) 2
	V 1	378.48	428.63	405.21	313.44	263.30	V 1
	V 2	546.90	531.77	547.89	586.71	613.02	V 2
	VZ 1	364.97	423.00	403.58	313.39	262.79	VZ 1
	VZ 2	367.49	377.59	384.67	373.19	367.09	VZ 2
	V-THETA 1	-0.32	0.52	15.29	1.64	13.59	V-THETA 1
	V-THETA 2	392.85	369.76	389.12	452.72	490.52	V-THETA 2
	V(PR) 1	659.7	786.6	857.2	930.3	1002.3	V(PR) 1
	V(PR) 2	438.9	504.6	554.5	565.5	600.9	V(PR) 2
	VTHETA PR1	-540.4	-659.6	-755.5	-875.9	-967.2	VTHETA PR1
	VTHETA PR2	-218.8	-329.5	-398.3	-424.9	-475.3	VTHETA PR2
	U 1	540.06	660.08	770.84	877.57	980.75	U 1
	U 2	611.69	699.21	787.44	877.57	965.81	U 2
	M 1	0.3430	0.3897	0.3678	0.2830	0.2372	M 1
	M 2	0.4832	0.4697	0.4823	0.5123	0.5223	M 2
	M(PR) 1	0.5979	0.7152	0.7782	0.8400	0.9048	M(PR) 1
	M(PR) 2	0.3878	0.4457	0.4881	0.4938	0.5120	M(PR) 2
	TURN(PR)	25.086	16.218	15.889	21.607	22.515	TURN(PR)
	UUBAR	0.0976	0.1249	0.0942	0.1533	0.1862	UUBAR
	LOSS PARA	0.0295	0.0357	0.0268	0.0444	0.0530	LOSS PARA
	DFAC	0.5575	0.5416	0.5341	0.6048	0.6204	DFAC
	EFFP	0.9373	0.9772	1.0157	1.0079	0.7487	EFFP
	EFF	0.9351	0.9764	1.0164	1.0083	0.7341	EFF
	INCID	6.393	3.981	5.212	10.311	11.390	INCID
	DEVM	11.107	8.263	3.822	0.104	-0.625	DEVM
	P 1	15.123	15.231	14.856	14.155	14.024	P 1
	P 2	19.225	19.421	19.756	20.298	20.953	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	558.070	556.900	562.000	574.500	604.600	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	46.910	44.400	45.330	50.500	53.190	BETA 2
STATION 2A	BETA 2A	6.420	4.820	4.220	4.350	5.270	BETA 2A
	V 2	546.90	531.77	547.89	586.71	613.02	V 2
	V 2A	388.91	380.99	405.18	445.66	494.02	V 2A
	VZ 2	367.49	377.59	384.67	373.19	367.09	VZ 2
	VZ 2A	384.82	379.03	403.91	444.38	491.82	VZ 2A
	V-THETA 2	392.85	369.76	389.12	452.72	490.52	V-THETA 2
	V-THETA 2A	43.30	31.96	29.80	33.80	45.37	V-THETA 2A
	M 2	0.4832	0.4697	0.4823	0.5123	0.5223	M 2
	M 2A	0.3397	0.3330	0.3530	0.3853	0.4175	M 2A
	TURN(PR)	39.523	39.242	41.035	46.150	47.877	TURN(PR)
	UUBAR	0.0449	0.0858	0.0913	0.1309	0.1843	UUBAR
	LOSS PARA	0.0176	0.0356	0.0410	0.0615	0.0899	LOSS PARA
	DFAC	0.5305	0.5420	0.5527	0.5770	0.5528	DFAC
	EFFP	0.9146	0.8372	0.8202	0.7859	0.6032	EFFP
	INCID	5.016	6.854	10.553	16.500	17.146	INCID
	DEVM	15.092	12.312	11.718	12.350	14.169	DEVM
	P 2	19.225	19.421	19.756	20.298	20.953	P 2
	P 2A	19.097	19.188	19.490	19.862	20.298	P 2A
	T 2	558.070	556.900	562.000	574.500	604.600	T 2
	T 2A	558.100	556.900	561.920	573.400	603.000	T 2A
	P21	19.297	19.302	19.615	20.258	20.815	P21
	UUBAR	0.0692	0.0448	0.0460	0.1210	0.1521	UUBAR
	LOSS PARA	0.0271	0.0185	0.0206	0.0568	0.0741	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 90.16 EQUIVALENT ROTOR SPEED = 5454.69 CORRECTED WEIGHT FLOW = 219.13

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-0.120	0.100	2.125	-0.375	2.500	BETA 1
STATION 2	BETA 2	39.620	38.410	44.090	45.390	47.260	BETA 2
	BETA(PR) 1	52.119	53.429	58.517	67.081	72.168	BETA(PR) 1
	BETA(PR) 2	29.630	39.300	45.414	48.818	52.565	BETA(PR) 2
	V 1	437.91	497.31	465.02	373.42	312.68	V 1
	V 2	582.62	559.85	555.48	581.42	598.32	V 2
	VZ 1	422.28	490.77	463.16	373.37	312.19	VZ 1
	VZ 2	439.50	435.44	398.42	408.32	405.76	VZ 2
	V-THETA 1	-0.88	0.86	17.19	-2.44	13.63	V-THETA 1
	V-THETA 2	363.85	345.25	385.96	413.91	439.11	V-THETA 2
	V(PR) 1	697.4	827.6	887.7	958.8	1019.6	V(PR) 1
	V(PR) 2	519.2	566.8	568.3	620.1	667.9	V(PR) 2
	VTHETA PR1	-542.8	-661.5	-756.3	-883.1	-970.5	VTHETA PR1
	VTHETA PR2	-250.0	-356.4	-404.2	-466.7	-530.1	VTHETA PR2
	U 1	541.94	662.37	773.52	880.62	984.15	U 1
	U 2	613.82	701.64	790.18	880.62	969.16	U 2
	M 1	0.3984	0.4546	0.4240	0.3383	0.2823	M 1
	M 2	0.5174	0.4967	0.4900	0.5089	0.5138	M 2
	M(PR) 1	0.6346	0.7565	0.8093	0.8686	0.9205	M(PR) 1
	M(PR) 2	0.4610	0.5029	0.5014	0.5428	0.5736	M(PR) 2
	TURN(PR)	22.324	14.104	13.095	18.261	19.637	TURN(PR)
	UUBAR	0.0521	0.1009	0.1127	0.0898	0.0944	UUBAR
	LOSS PARA	0.0159	0.0296	0.0324	0.0259	0.0267	LOSS PARA
	DFAC	0.4511	0.4774	0.5321	0.5436	0.5377	DFAC
	EFFP	0.9493	0.9783	1.0090	1.0438	0.8286	EFFP
	EFF	0.9477	0.9776	1.0094	1.0461	0.8188	EFF
	INCID	2.506	0.065	1.833	7.078	8.758	INCID
	DEVM	9.982	6.461	3.237	0.218	-0.379	DEVM
	P 1	15.285	15.428	14.892	14.013	13.771	P 1
	P 2	19.254	19.416	19.574	19.956	20.423	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.020	554.730	560.450	571.400	594.200	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2.	BETA 2	39.620	38.410	44.090	45.390	47.260	BETA 2
STATION 2A	BETA 2A	6.170	5.220	3.100	4.860	7.420	BETA 2A
	V 2	582.62	559.85	555.48	581.42	598.32	V 2
	V 2A	455.39	447.02	452.85	479.84	522.51	V 2A
	VZ 2	439.50	435.44	398.42	408.32	405.76	VZ 2
	VZ 2A	450.81	444.45	451.99	478.11	518.02	VZ 2A
	V-THETA 2	363.85	345.25	385.96	413.91	439.11	V-THETA 2
	V-THETA 2A	48.74	40.60	24.48	40.65	67.46	V-THETA 2A
	M 2	0.5174	0.4967	0.4900	0.5089	0.5138	M 2
	M 2A	0.4002	0.3931	0.3964	0.4168	0.4464	M 2A
	TURN(PR)	32.502	32.862	40.915	40.530	39.796	TURN(PR)
	UUBAR	0.0429	0.0595	0.0549	0.0608	0.0813	UUBAR
	LOSS PARA	0.0168	0.0247	0.0247	0.0286	0.0395	LOSS PARA
	DFAC	0.4224	0.4226	0.4748	0.4774	0.4338	DFAC
	EFFP	0.8965	0.8507	0.8631	0.8940	0.8421	EFFP
	INCID	-2.255	0.874	9.313	11.390	11.214	INCID
	DEVM	14.844	12.712	10.599	12.860	16.318	DEVM
	P 2	19.254	19.416	19.574	19.956	20.423	P 2
	P 2A	19.116	19.237	19.411	19.760	20.149	P 2A
	T 2	556.020	554.730	560.450	571.400	594.200	T 2
	T 2A	556.070	554.730	560.320	570.700	592.860	T 2A
	P21	19.269	19.339	19.548	19.917	20.322	P21
	UUBAR	0.0861	0.0324	0.0444	0.0473	0.0508	UUBAR
	LOSS PARA	0.0337	0.0134	0.0199	0.0222	0.0246	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 90.08 EQUIVALENT ROTOR SPEED = 5449.90 CORRECTED WEIGHT FLOW = 247.57

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.430	0.490	0.665	1.175	1.405	BETA 1
STATION 2	BETA 2	30.280	28.030	30.430	38.760	41.050	BETA 2
	BETA(PR) 1	47.222	49.321	55.349	64.845	69.732	BETA(PR) 1
	BETA(PR) 2	29.843	38.632	45.149	50.228	54.544	BETA(PR) 2
	V 1	515.99	572.20	531.70	409.38	360.17	V 1
	V 2	629.74	602.08	576.06	562.96	564.90	V 2
	VZ 1	497.56	564.66	529.91	409.24	359.84	VZ 1
	VZ 2	529.79	526.46	495.72	438.98	425.62	VZ 2
	V-THETA 1	3.73	4.83	6.15	8.39	8.83	V-THETA 1
	V-THETA 2	309.34	280.28	291.19	352.44	370.64	V-THETA 2
	V(PR) 1	745.2	871.2	933.0	962.8	1038.9	V(PR) 1
	V(PR) 2	627.1	678.9	703.8	686.2	734.1	V(PR) 2
	VTHETA PR1	-537.7	-657.0	-766.7	-871.5	-974.5	VTHETA PR1
	VTHETA PR2	-303.9	-420.7	-498.3	-527.4	-597.7	VTHETA PR2
	U 1	541.46	661.79	772.84	879.85	983.29	U 1
	U 2	613.28	701.02	789.48	879.85	968.31	U 2
	M 1	0.4724	0.5266	0.4875	0.3717	0.3260	M 1
	M 2	0.5658	0.5388	0.5121	0.4975	0.4930	M 2
	M(PR) 1	0.6823	0.8017	0.8554	0.8742	0.9404	M(PR) 1
	M(PR) 2	0.5635	0.6076	0.6256	0.6064	0.6407	M(PR) 2
	TURN(PR)	17.192	10.651	10.188	14.614	15.220	TURN(PR)
	UUBAR	0.0165	0.0547	0.0090	0.0067	0.0546	UUBAR
	LOSS PARA	0.0050	0.0162	0.0026	0.0019	0.0147	LOSS PARA
	DFAC	0.3121	0.3441	0.3723	0.4440	0.4543	DFAC
	EFFP	1.0257	0.9395	1.0341	1.2144	0.9974	EFFP
	EFF	1.0264	0.9379	1.0353	1.2244	0.9973	EFF
	INCID	-2.417	-4.054	-1.340	4.842	6.321	INCID
	DEVN	10.191	5.795	2.972	1.628	1.601	DEVN
	P 1	15.533	15.758	14.932	13.612	13.450	P 1
	P 2	18.981	19.093	18.992	18.756	19.043	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	548.490	549.890	554.340	559.330	573.030	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	30.280	28.030	30.430	38.760	41.050	BETA 2
STATION 2A	BETA 2A	4.770	3.790	2.220	3.640	5.750	BETA 2A
	V 2	629.74	602.08	576.06	562.96	564.90	V 2
	V 2A	586.21	569.68	547.28	532.54	553.99	V 2A
	VZ 2	529.79	526.46	495.72	438.98	425.62	VZ 2
	VZ 2A	581.67	567.50	546.63	531.46	551.08	VZ 2A
	V-THETA 2	309.34	280.28	291.19	352.44	370.64	V-THETA 2
	V-THETA 2A	48.54	37.59	21.19	33.81	55.49	V-THETA 2A
	M 2	0.5658	0.5388	0.5121	0.4975	0.4930	M 2
	M 2A	0.5245	0.5082	0.4853	0.4696	0.4833	M 2A
	TURN(PR)	24.671	23.960	28.144	35.120	35.256	TURN(PR)
	UUBAR	0.0545	0.0525	0.0505	0.0173	0.0559	UUBAR
	LOSS PARA	0.0214	0.0218	0.0228	0.0081	0.0272	LOSS PARA
	DFAC	0.2250	0.2174	0.2588	0.3209	0.2951	DFAC
	EFFP	0.6392	0.5558	0.5510	1.0206	-1.2605	EFFP
	INCID	-11.479	-9.456	-4.337	4.760	5.005	INCID
	DEVN	13.449	11.284	9.719	11.640	14.649	DEVN
	P 2	18.981	19.093	18.992	18.756	19.043	P 2
	P 2A	18.779	18.914	18.835	18.706	18.880	P 2A
	T 2	548.490	549.890	554.340	559.330	573.030	T 2
	T 2A	548.500	549.880	554.250	558.850	572.300	T 2A
	P21	18.993	19.066	18.771	18.754	18.979	P21
	UUBAR	0.0581	0.0454	0.0387	0.0173	0.0354	UUBAR
	LOSS PARA	0.0228	0.0188	0.0174	0.0080	0.0172	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 100.20 EQUIVALENT ROTOR SPEED = 6062.35 CORRECTED WEIGHT FLOW = 216.73

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.300	0.630	2.760	1.240	9.430	BETA 1
STATION 2	BETA 2	47.230	45.580	46.730	49.720	53.070	BETA 2
	BETA(PR) 1	55.606	56.408	61.078	68.797	73.319	BETA(PR) 1
	BETA(PR) 2	32.209	41.527	46.395	47.953	51.544	BETA(PR) 2
	V 1	426.05	491.90	464.76	376.66	316.68	V 1
	V 2	596.82	588.03	607.35	661.42	692.67	V 2
	VZ 1	410.84	485.41	462.69	376.53	312.22	VZ 1
	VZ 2	398.71	409.13	415.78	427.62	415.94	VZ 2
	V-THETA 1	2.15	5.34	22.31	8.15	51.86	V-THETA 1
	V-THETA 2	431.03	417.49	441.67	504.59	553.38	V-THETA 2
	V(PR) 1	736.0	880.9	957.5	1041.1	1087.8	V(PR) 1
	V(PR) 2	483.2	550.2	603.6	638.5	669.2	V(PR) 2
	VTHETA PR1	-600.2	-730.8	-837.4	-970.6	-1041.9	VTHETA PR1
	VTHETA PR2	-251.2	-362.3	-436.5	-474.1	-523.7	VTHETA PR2
	U 1	602.31	736.16	859.69	978.72	1093.79	U 1
	U 2	682.20	779.80	878.21	978.72	1077.12	U 2
	M 1	0.3873	0.4494	0.4237	0.3413	0.2860	M 1
	M 2	0.5248	0.5168	0.5312	0.5732	0.5841	M 2
	M(PR) 1	0.6691	0.8049	0.8729	0.9433	0.9823	M(PR) 1
	M(PR) 2	0.4249	0.4836	0.5280	0.5534	0.5643	M(PR) 2
	TURN(PR)	13.312	14.874	14.679	20.842	21.810	TURN(PR)
	UUBAR	0.0767	0.1274	0.0953	0.1367	0.1091	UUBAR
	LOSS PARA	0.0228	0.0361	0.0270	0.0402	0.0316	LOSS PARA
	DFAC	0.5615	0.5580	0.5513	0.5958	0.5976	DFAC
	EFFP	0.9317	0.9543	0.9867	0.9827	0.7733	EFFP
	EFF	0.9288	0.9523	0.9860	0.9816	0.7566	EFF
	INCID	6.030	3.058	4.397	8.794	9.910	INCID
	DEVN	12.518	8.684	4.218	-0.647	-1.400	DEVN
	P 1	15.221	15.392	14.895	14.101	13.777	P 1
	P 2	20.448	20.784	21.222	22.024	22.847	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	567.850	567.500	574.700	590.500	625.300	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	47.230	45.580	46.730	49.720	53.070	BETA 2
STATION 2A	BETA 2A	5.030	4.550	3.860	3.560	4.900	BETA 2A
	V 2	596.82	588.03	607.35	661.42	692.67	V 2
	V 2A	415.25	404.78	450.41	503.54	573.66	V 2A
	VZ 2	398.71	409.13	415.78	427.62	415.94	VZ 2
	VZ 2A	411.87	402.84	449.20	502.57	571.43	VZ 2A
	V-THETA 2	431.03	417.49	441.67	504.59	553.38	V-THETA 2
	V-THETA 2A	36.25	32.06	30.31	31.27	48.99	V-THETA 2A
	M 2	0.5248	0.5168	0.5312	0.5732	0.5841	M 2
	M 2A	0.3601	0.3509	0.3892	0.4310	0.4792	M 2A
	TURN(PR)	41.228	40.691	42.795	46.160	48.127	TURN(PR)
	UUBAR	0.0604	0.1268	0.0964	0.1342	0.1529	UUBAR
	LOSS PARA	0.0237	0.0526	0.0433	0.0632	0.0746	LOSS PARA
	DFAC	0.5548	0.5784	0.5602	0.5761	0.5315	DFAC
	EFFP	0.8941	0.7851	0.8235	0.7722	0.6442	EFFP
	INCID	5.336	8.034	11.954	15.720	17.026	INCID
	DEVN	13.708	12.043	11.358	11.560	13.799	DEVN
	P 2	20.448	20.784	21.222	22.024	22.847	P 2
	P 2A	20.237	20.345	20.865	21.434	22.127	P 2A
	T 2	567.850	567.500	574.700	590.500	625.300	T 2
	T 2A	567.850	567.400	574.400	589.300	623.700	T 2A
	P21	20.442	20.403	21.041	21.660	22.434	P21
	UUBAR	0.0603	0.0453	0.0513	0.0576	0.0990	UUBAR
	LOSS PARA	0.0236	0.0187	0.0230	0.0271	0.0483	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 101.18 EQUIVALENT ROTOR SPEED = 6121.37 CORRECTED WEIGHT FLOW = 218.34

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.420	-0.070	1.750	0.680	6.020	BETA 1
STATION 2	BETA 2	46.350	44.870	45.550	49.050	52.920	BETA 2
	BETA(PR) 1	55.224	56.213	60.889	68.861	74.794	BETA(PR) 1
	BETA(PR) 2	31.248	41.146	46.503	48.214	51.627	BETA(PR) 2
	V 1	435.74	504.40	477.08	380.43	293.63	V 1
	V 2	613.23	598.02	611.57	663.86	697.93	V 2
	VZ 1	420.18	497.77	475.28	380.36	291.83	VZ 1
	VZ 2	416.21	421.24	427.71	435.09	420.56	VZ 2
	V-THETA 1	3.08	-0.61	14.52	4.51	30.78	V-THETA 1
	V-THETA 2	436.30	419.33	436.00	501.40	556.48	V-THETA 2
	V(PR) 1	745.7	898.8	977.7	1054.7	1112.7	V(PR) 1
	V(PR) 2	499.5	563.3	622.2	652.9	677.9	V(PR) 2
	VTHETA PR1	-605.1	-743.9	-853.5	-983.7	-1073.7	VTHETA PR1
	VTHETA PR2	-252.5	-368.1	-450.8	-486.9	-531.1	VTHETA PR2
	U 1	608.18	743.32	868.06	988.25	1104.44	U 1
	U 2	688.84	787.40	886.76	988.25	1087.61	U 2
	M 1	0.3964	0.4613	0.4354	0.3448	0.2649	M 1
	M 2	0.5403	0.5264	0.5362	0.5763	0.5889	M 2
	M(PR) 1	0.6783	0.8221	0.8922	0.9559	1.0036	M(PR) 1
	M(PR) 2	0.4401	0.4958	0.5455	0.5669	0.5720	M(PR) 2
	TURN(PR)	23.870	15.059	14.382	20.646	23.202	TURN(PR)
	UUBAR	0.0882	0.1500	0.1083	0.1409	0.1755	UUBAR
	LOSS PARA	0.0266	0.0428	0.0306	0.0412	0.0508	LOSS PARA
	DFAC	0.5476	0.5555	0.5424	0.5875	0.6090	DFAC
	EFFP	0.9490	0.9662	1.0211	1.0085	0.7664	EFFP
	EFF	0.9468	0.9648	1.0222	1.0090	0.7494	EFF
	INCID	5.642	2.862	4.208	8.859	11.385	INCID
	DEVM	11.572	8.303	4.326	-0.387	-1.317	DEVM
	P 1	15.221	15.415	14.886	14.036	13.743	P 1
	P 2	20.507	20.806	21.181	21.963	22.669	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	567.400	566.800	572.500	588.850	625.100	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	46.350	44.870	45.550	49.050	52.920	BETA 2
STATION 2A	BETA 2A	6.520	4.730	3.980	4.380	4.650	BETA 2A
	V 2	613.23	598.02	611.57	663.86	697.93	V 2
	V 2A	424.17	416.18	444.94	487.93	542.22	V 2A
	VZ 2	416.21	421.24	427.71	435.09	420.56	VZ 2
	VZ 2A	419.63	414.09	443.68	486.50	540.31	VZ 2A
	V-THETA 2	436.30	419.33	436.00	501.40	556.48	V-THETA 2
	V-THETA 2A	47.96	34.26	30.87	37.26	43.95	V-THETA 2A
	M 2	0.5403	0.5264	0.5362	0.5763	0.5889	M 2
	M 2A	0.3682	0.3613	0.3850	0.4176	0.4521	M 2A
	TURN(PR)	38.863	39.802	41.495	44.670	48.227	TURN(PR)
	UUBAR	0.0721	0.1108	0.1039	0.1607	0.1879	UUBAR
	LOSS PARA	0.0282	0.0460	0.0467	0.0756	0.0917	LOSS PARA
	DFAC	0.5477	0.5661	0.5677	0.5946	0.5857	DFAC
	EFFP	0.8756	0.8074	0.8112	0.7257	0.6554	EFFP
	INCID	4.455	7.324	10.773	15.050	16.876	INCID
	DEVM	15.192	12.222	11.478	12.380	13.549	DEVM
	P 2	20.507	20.806	21.181	21.963	22.669	P 2
	P 2A	20.241	20.409	20.790	21.251	21.778	P 2A
	T 2	567.400	566.800	572.500	588.850	625.100	T 2
	T 2A	567.400	566.750	572.300	587.900	623.050	T 2A
	P21	20.498	20.540	20.954	21.581	22.317	P21
	UUBAR	0.0563	0.0407	0.0477	0.0811	0.01224	UUBAR
	LOSS PARA	0.0220	0.0168	0.0214	0.0381	0.0598	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 100.75 EQUIVALENT ROTOR SPEED 6095.11 CORRECTED WEIGHT FLOW = 239.31

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.560	-0.220	0.230	2.120	5.700	BETA 1
STATION 2	BETA 2	41.200	39.400	40.700	47.300	49.200	BETA 2
	BETA(PR) 1	51.764	53.294	58.367	67.407	72.482	BETA(PR) 1
	BETA(PR) 2	28.759	38.880	45.116	48.319	51.123	BETA(PR) 2
	V 1	491.06	560.76	532.89	403.57	338.38	V 1
	V 2	652.95	627.86	625.70	657.52	691.37	V 2
	VZ 1	473.51	553.39	531.12	403.24	336.50	VZ 1
	VZ 2	481.57	481.67	473.64	445.90	451.45	VZ 2
	V-THETA 1	4.63	-2.12	2.13	14.93	33.59	V-THETA 1
	V-THETA 2	421.59	395.65	407.39	483.22	523.00	V-THETA 2
	V(PR) 1	776.0	930.3	1013.6	1049.7	1118.0	V(PR) 1
	V(PR) 2	564.3	623.3	672.1	670.5	719.7	V(PR) 2
	VTHETA PR1	-600.9	-742.3	-862.2	-969.1	-1066.1	VTHETA PR1
	VTHETA PR2	-264.3	-388.4	-475.6	-500.8	-559.9	VTHETA PR2
	U 1	605.57	740.14	864.33	984.01	1099.70	U 1
	U 2	685.88	784.02	882.95	984.01	1082.94	U 2
	M 1	0.4486	0.5155	0.4886	0.3663	0.3059	M 1
	M 2	0.5789	0.5561	0.5501	0.5724	0.5871	M 2
	M(PR) 1	0.7090	0.8551	0.9293	0.9528	1.0108	M(PR) 1
	M(PR) 2	0.5003	0.5521	0.5909	0.5838	0.6111	M(PR) 2
	TURN(PR)	22.820	14.388	13.242	19.086	21.395	TURN(PR)
	UUBAR	0.0339	0.1140	0.0814	0.0571	0.0946	UUBAR
	LOSS PARA	0.0105	0.0336	0.0236	0.0167	0.0277	LOSS PARA
	DFAC	0.4740	0.4966	0.5026	0.5568	0.5585	DFAC
	EFFP	0.9983	1.0082	1.0261	1.0844	0.8272	EFFP
	EFF	0.9982	1.0085	1.0274	1.0901	0.8146	EFF
	INCID	2.147	-0.070	1.682	7.405	9.073	INCID
	DEVM	9.127	6.042	2.940	-0.281	-1.822	DEVM
	P 1	15.374	15.641	14.973	13.687	13.503	P 1
	P 2	20.725	20.925	21.148	21.616	22.317	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	564.990	563.300	571.050	585.070	617.000	T 21
STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	41.200	39.400	40.700	47.300	49.200	BETA 2
STATION 2A	BETA 2A	7.000	4.570	3.230	4.530	6.800	BETA 2A
	V 2	652.95	627.86	625.70	657.52	691.37	V 2
	V 2A	482.11	475.50	485.45	519.15	578.24	V 2A
	VZ 2	481.57	481.67	473.64	445.90	451.45	VZ 2
	VZ 2A	476.47	473.22	484.47	517.52	574.04	VZ 2A
	V-THETA 2	421.59	395.65	407.39	483.22	523.00	V-THETA 2
	V-THETA 2A	58.50	37.82	27.34	41.00	68.45	V-THETA 2A
	M 2	0.5789	0.5561	0.5501	0.5724	0.5871	M 2
	M 2A	0.4210	0.4157	0.4219	0.4468	0.4867	M 2A
	TURN(PR)	33.246	34.498	37.396	42.770	42.356	TURN(PR)
	UUBAR	0.0952	0.0927	0.0822	0.1009	0.1151	UUBAR
	LOSS PARA	0.0372	0.0385	0.0370	0.0474	0.0560	LOSS PARA
	DFAC	0.4713	0.4744	0.4948	0.5275	0.4886	DFAC
	EFFP	0.8113	0.8056	0.8430	0.8112	0.7565	EFFP
	INCID	-0.684	1.861	5.924	13.300	13.155	INCID
	DEVM	15.670	12.063	10.729	12.530	15.698	DEVM
	P 2	20.725	20.925	21.148	21.616	22.317	P 2
	P 2A	20.324	20.558	20.825	21.181	21.783	P 2A
	T 2	564.990	563.300	571.050	585.070	617.000	T 2
	T 2A	565.050	563.300	570.600	584.200	615.400	T 2A
	P21	20.564	20.759	21.038	21.433	22.135	P21
	UUBAR	0.0558	0.0502	0.0526	0.0579	0.0761	UUBAR
	LOSS PARA	0.0218	0.0208	0.0236	0.0272	0.0370	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

PERCENT EQUIVALENT DESIGN SPEED = 101.00 EQUIVALENT ROTOR SPEED = 6110.70 CORRECTED WEIGHT FLOW = 268.24

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	0.605	-0.132	0.414	0.922	1.422	BETA 1
STATION 2	BETA 2	31.160	29.650	31.410	40.510	41.390	BETA 2
	BETA(PR) 1	47.167	49.424	55.509	64.855	70.453	BETA(PR) 1
	BETA(PR) 2	29.440	38.876	47.331	51.857	55.135	BETA(PR) 2
	V 1	578.06	645.20	594.40	459.71	388.37	V 1
	V 2	705.25	663.62	612.93	609.83	625.25	V 2
	VZ 1	557.40	636.72	592.41	459.59	388.02	VZ 1
	VZ 2	588.20	571.48	522.09	463.65	468.66	VZ 2
	V-THETA 1	5.89	-1.47	4.28	7.40	9.63	V-THETA 1
	V-THETA 2	355.67	325.30	318.81	396.13	413.03	V-THETA 2
	V(PR) 1	834.0	984.4	1047.3	1081.7	1159.8	V(PR) 1
	V(PR) 2	693.6	739.5	771.3	750.7	820.3	V(PR) 2
	VTHETA PR1	-601.2	-743.5	-862.3	-979.1	-1092.9	VTHETA PR1
	VTHETA PR2	-332.0	-460.7	-566.4	-590.4	-672.7	VTHETA PR2
	U 1	607.11	742.03	866.55	986.53	1102.51	U 1
	U 2	687.64	786.02	885.21	986.53	1085.71	U 2
	M 1	0.5323	0.5983	0.5482	0.4189	0.3522	M 1
	M 2	0.6323	0.5920	0.5412	0.5350	0.5394	M 2
	M(PR) 1	0.7679	0.9128	0.9659	0.9857	1.0517	M(PR) 1
	M(PR) 2	0.6218	0.6597	0.6810	0.6586	0.7076	M(PR) 2
	TURN(PR)	17.532	10.511	8.166	12.996	15.350	TURN(PR)
	UUBAR	0.0222	0.1022	0.0837	0.0530	0.0672	UUBAR
	LOSS PARA	0.0068	0.0301	0.0233	0.0143	0.0179	LOSS PARA
	DFAC	0.3255	0.3782	0.3880	0.4636	0.4535	DFAC
	EFFP	0.9653	0.8849	0.8735	1.1140	0.9220	EFFP
	EFF	0.9641	0.8810	0.8687	1.1204	0.9172	EFF
	INCID	-2.473	-3.951	-1.179	4.852	7.042	INCID
	DEVN	9.795	6.038	5.155	3.257	2.192	DEVN
	P 1	15.617	15.919	15.146	13.356	13.040	P 1
	P 2	20.131	20.136	19.680	19.524	19.950	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.180	559.580	565.080	571.750	591.750	T 21

STATOR A	PCT SPAN	89.99	70.27	50.50	30.72	11.01	PCT SPAN
	DIA	27.480	30.650	33.830	37.010	40.180	DIA
STATION 2	BETA 2	31.160	29.650	31.410	40.510	41.390	BETA 2
STATION 2A	BETA 2A	5.020	3.680	1.840	3.290	5.920	BETA 2A
	V 2	705.25	663.62	612.93	609.83	625.25	V 2
	V 2A	663.80	622.41	581.54	559.24	608.98	V 2A
	VZ 2	588.20	571.48	522.09	463.65	468.66	VZ 2
	VZ 2A	658.40	620.11	580.99	558.32	605.57	VZ 2A
	V-THETA 2	355.67	325.30	318.81	396.13	413.03	V-THETA 2
	V-THETA 2A	57.83	39.88	18.66	32.09	62.79	V-THETA 2A
	M 2	0.6323	0.5920	0.5412	0.5350	0.5394	M 2
	M 2A	0.5924	0.5530	0.5120	0.4885	0.5254	M 2A
	TURN(PR)	25.287	25.679	29.503	37.220	35.426	TURN(PR)
	UUBAR	0.0464	0.0714	0.0480	0.0634	0.0583	UUBAR
	LOSS PARA	0.0182	0.0297	0.0216	0.0299	0.0284	LOSS PARA
	DFAC	0.2177	0.2368	0.2695	0.3644	0.3030	DFAC
	EFFP	0.6538	0.4886	0.5866	0.6898	1.3267	EFFP
	INCID	-10.614	-7.846	-3.358	6.510	5.344	INCID
	DEVN	13.698	11.174	9.339	11.290	14.819	DEVN
	P 2	20.131	20.136	19.680	19.524	19.950	P 2
	P 2A	19.911	19.832	19.509	19.305	19.741	P 2A
	T 2	559.180	559.580	565.080	571.750	591.750	T 2
	T 2A	559.180	559.530	565.000	571.400	590.000	T 2A
	P21	20.247	20.039	19.630	19.439	19.941	P21
	UUBAR	0.0653	0.0469	0.0314	0.0367	0.0531	UUBAR
	LOSS PARA	0.0255	0.0195	0.0141	0.0172	0.0258	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.46 EQUIVALENT ROTOR SPEED = 4262.80 CORRECTED WEIGHT FLOW = 130.01

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	-0.575	0.636	0.216	0.383	-0.046	BETA 1
ROTOR -T.E.	BETA 2	50.214	49.565	48.923	52.645	66.223	BETA 2
	BETA(PR) 1	60.493	61.078	65.431	74.434	77.935	BETA(PR) 1
	BETA(PR) 2	31.614	43.745	48.505	52.057	56.647	BETA(PR) 2
	V 1	260.56	294.57	279.36	191.92	164.33	V 1
	V 2	415.19	397.41	412.66	437.02	496.51	V 2
	VZ 1	247.19	288.86	277.93	191.87	164.19	VZ 1
	VZ 2	261.64	256.30	270.78	265.16	200.13	VZ 2
	V-THETA 1	-2.48	3.21	1.05	1.28	-0.13	V-THETA 1
	V-THETA 2	314.18	300.78	310.65	347.37	454.26	V-THETA 2
	V(PR) 1	508.6	600.1	669.0	715.0	785.5	V(PR) 1
	V(PR) 2	315.6	357.3	409.3	431.2	364.2	V(PR) 2
	VTHETA PR1	-436.8	-522.8	-607.9	-688.8	-768.1	VTHETA PR1
	VTHETA PR2	-161.0	-245.3	-306.1	-340.1	-304.1	VTHETA PR2
	U 1	434.31	526.01	608.96	690.06	767.99	U 1
	U 2	475.23	546.09	616.77	687.45	758.32	U 2
	M 1	0.2347	0.2657	0.2518	0.1724	0.1475	M 1
	M 2	0.3681	0.3521	0.3650	0.3840	0.4296	M 2
	M(PR) 1	0.4581	0.5413	0.6031	0.6424	0.7051	M(PR) 1
	M(PR) 2	0.2798	0.3165	0.3620	0.3789	0.3151	M(PR) 2
	TURN(PR)	28.501	17.238	16.903	22.375	21.314	TURN(PR)
	UUBAR	0.1205	0.1596	0.1679	0.1928	0.4269	UUBAR
	LOSS PARA	0.0361	0.0437	0.0456	0.0520	0.1094	LOSS PARA
	DFAC	0.6083	0.5962	0.5792	0.6087	0.8042	DFAC
	EFFP	0.9045	0.9201	0.9472	0.8844	0.6425	EFFP
	EFF	0.9025	0.9184	0.9459	0.8809	0.6303	EFF
	INCID	10.583	7.603	8.720	14.430	14.525	INCID
	DEVM	11.882	10.864	6.317	3.456	3.711	DEVM
	P 1	14.893	14.923	14.759	14.440	14.396	P 1
	P 2	17.287	17.323	17.514	17.807	18.256	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.700	543.290	546.180	555.040	576.500	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	47.698	47.844	47.539	51.026	64.079	BETA 2
STATOR-T.E.	BETA 2A	8.469	6.125	5.322	4.919	1.672	BETA 2A
	V 2	423.79	404.89	420.38	446.34	507.35	V 2
	V 2A	285.75	276.85	290.24	326.02	348.19	V 2A
	VZ 2	280.95	270.38	283.51	280.73	221.71	VZ 2
	VZ 2A	280.54	274.51	288.77	324.82	347.90	VZ 2A
	V-THETA 2	308.74	298.65	309.81	347.00	456.16	V-THETA 2
	V-THETA 2A	41.77	29.46	26.90	27.96	10.15	V-THETA 2A
	M 2	0.3760	0.3589	0.3720	0.3924	0.4393	M 2
	M 2A	0.2516	0.2438	0.2550	0.2848	0.2988	M 2A
	TURN(PR)	38.357	41.419	42.157	46.107	62.369	TURN(PR)
	UUBAR	0.0344	0.0597	0.0975	0.1582	0.2562	UUBAR
	LOSS PARA	0.0134	0.0247	0.0437	0.0743	0.1255	LOSS PARA
	DFAC	0.5666	0.5887	0.6105	0.6061	0.7453	DFAC
	EFFP	0.9391	0.8967	0.8279	0.7693	0.6019	EFFP
	INCID	5.863	10.327	12.775	17.026	28.040	INCID
	DEVM	17.105	13.608	12.818	12.919	10.571	DEVM
	P 2	17.287	17.323	17.514	17.807	18.256	P 2
	P 2A	17.231	17.235	17.358	17.523	17.676	P 2A
	T 2	543.700	543.290	546.180	555.040	576.500	T 2
	T 2A	543.710	543.260	546.130	554.100	575.350	T 2A
	P21	17.352	17.372	17.475	17.772	18.176	P21
	UUBAR	0.0728	0.0906	0.0755	0.1420	0.2293	UUBAR
	LOSS PARA	0.0283	0.0374	0.0338	0.0666	0.1123	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 70.39 EQUIVALENT ROTOR SPEED = 4258.64 CORRECTED WEIGHT FLOW = 163.00

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	-0.086	-0.250	0.666	-0.318	-0.698	BETA 1
ROTOR -T.E.	BETA 2	41.476	40.001	39.879	45.200	48.559	BETA 2
	BETA(PR) 1	55.295	55.790	61.494	69.191	73.823	BETA(PR) 1
	BETA(PR) 2	28.915	39.692	45.529	50.831	55.594	BETA(PR) 2
	V 1	317.05	365.38	330.03	262.62	223.57	V 1
	V 2	450.51	430.05	433.85	436.20	441.75	V 2
	VZ 1	300.80	358.32	328.32	262.55	223.36	VZ 1
	VZ 2	330.54	326.86	332.33	307.36	292.19	VZ 2
	V-THETA 1	-0.45	-1.57	3.82	-1.46	-2.72	V-THETA 1
	V-THETA 2	292.19	274.28	277.66	309.51	330.95	V-THETA 2
	V(PR) 1	537.7	641.3	688.8	739.1	801.8	V(PR) 1
	V(PR) 2	388.5	428.1	475.1	486.6	517.3	V(PR) 2
	VTHETA PR1	-434.3	-527.1	-604.6	-690.8	-770.0	VTHETA PR1
	VTHETA PR2	-182.6	-271.3	-338.5	-377.3	-426.6	VTHETA PR2
	U 1	433.88	525.49	608.37	689.38	767.24	U 1
	U 2	474.76	545.56	616.17	686.78	757.58	U 2
	M 1	0.2863	0.3309	0.2982	0.2366	0.2011	M 1
	M 2	0.4012	0.3827	0.3853	0.3851	0.3849	M 2
	M(PR) 1	0.4856	0.5807	0.6224	0.6657	0.7211	M(PR) 1
	M(PR) 2	0.3460	0.3810	0.4219	0.4296	0.4507	M(PR) 2
	TURN(PR)	25.839	15.951	15.932	18.356	18.254	TURN(PR)
	UUBAR	0.0600	0.1203	0.0530	0.0930	0.1558	UUBAR
	LOSS PARA	0.0185	0.0351	0.0152	0.0258	0.0410	LOSS PARA
	DFAC	0.4777	0.4984	0.4743	0.5257	0.5475	DFAC
	EFFP	0.9490	0.9602	1.0557	1.0176	0.7634	EFFP
	EFF	0.9479	0.9594	1.0571	1.0182	0.7557	EFF
	INCID	5.272	2.269	4.771	9.186	10.410	INCID
	DEVN	9.233	6.818	3.339	2.230	2.656	DEVN
	P 1	15.001	15.106	14.753	14.328	14.224	P 1
	P 2	17.322	17.384	17.527	17.634	17.835	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	541.660	540.840	543.460	549.830	564.540	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	39.527	38.717	38.846	43.945	47.513	BETA 2
STATOR-T.E.	BETA 2A	7.276	5.258	4.147	5.035	6.212	BETA 2A
	V 2	460.15	438.36	442.07	445.52	451.02	V 2
	V 2A	350.60	339.87	339.47	361.43	378.73	V 2A
	VZ 2	347.98	339.72	343.83	320.78	304.39	VZ 2
	VZ 2A	345.19	337.50	338.33	360.03	376.36	VZ 2A
	V-THETA 2	287.13	272.33	276.90	309.17	332.33	V-THETA 2
	V-THETA 2A	44.07	31.06	24.53	31.72	40.97	V-THETA 2A
	M 2	0.4101	0.3904	0.3928	0.3936	0.3932	M 2
	M 2A	0.3103	0.3008	0.2997	0.3178	0.3289	M 2A
	TURN(PR)	31.387	33.164	34.640	38.910	41.254	TURN(PR)
	UUBAR	0.0232	0.0422	0.0655	0.0298	0.0741	UUBAR
	LOSS PARA	0.0090	0.0175	0.0294	0.0140	0.0361	LOSS PARA
	DFAC	0.4398	0.4502	0.4873	0.4819	0.4776	DFAC
	EFFP	0.9458	0.9004	0.8568	1.0303	0.8918	EFFP
	INCID	-2.292	1.207	4.083	9.945	11.464	INCID
	DEVN	15.921	12.743	11.644	13.035	15.110	DEVN
	P 2	17.322	17.384	17.527	17.634	17.835	P 2
	P 2A	17.279	17.311	17.411	17.580	17.701	P 2A
	T 2	541.660	540.840	543.460	549.830	564.540	T 2
	T 2A	541.680	540.840	543.400	549.200	563.800	T 2A
	P21	17.299	17.357	17.482	17.659	17.785	P21
	UUBAR	0.0117	0.0275	0.0417	0.0443	0.0482	UUBAR
	LOSS PARA	0.0045	0.0114	0.0187	0.0208	0.0234	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES(

PERCENT EQUIVALENT DESIGN SPEED = 70.48 EQUIVALENT ROTOR SPEED = 4263.84 CORRECTED WEIGHT FLOW = 193.98

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.399	0.221	0.698	-0.010	-0.950	BETA 1
ROTOR -T.E.	BETA 2	31.209	28.200	28.893	36.003	40.122	BETA 2
	BETA(PR) 1	49.710	50.166	55.912	65.224	70.816	BETA(PR) 1
	BETA(PR) 2	29.341	39.075	45.820	51.571	56.198	BETA(PR) 2
	V 1	385.91	446.10	410.96	318.68	269.08	V 1
	V 2	488.95	464.53	446.78	427.79	424.90	V 2
	VZ 1	366.12	437.49	408.83	318.60	268.81	VZ 1
	VZ 2	406.99	405.18	390.23	346.06	324.65	VZ 2
	V-THETA 1	2.55	1.69	4.98	-0.05	-4.46	V-THETA 1
	V-THETA 2	246.57	217.25	215.36	251.46	273.59	V-THETA 2
	V(PR) 1	579.2	688.5	730.6	760.3	818.1	V(PR) 1
	V(PR) 2	480.2	526.1	560.8	556.8	583.8	V(PR) 2
	VTHETA PR1	-431.9	-524.4	-604.1	-690.3	-772.6	VTHETA PR1
	VTHETA PR2	-228.8	-329.0	-401.6	-436.2	-484.9	VTHETA PR2
	U 1	434.42	526.14	609.11	690.23	768.18	U 1
	U 2	475.34	546.23	616.93	687.62	758.51	U 2
	M 1	0.3499	0.4061	0.3732	0.2878	0.2424	M 1
	M 2	0.4379	0.4156	0.3985	0.3790	0.3732	M 2
	M(PR) 1	0.5251	0.6268	0.6635	0.6866	0.7371	M(PR) 1
	M(PR) 2	0.4301	0.4707	0.5002	0.4933	0.5128	M(PR) 2
	TURN(PR)	19.767	10.913	10.046	13.649	14.640	TURN(PR)
	UUBAR	0.0374	0.0482	-0.0035	0.0169	0.0862	UUBAR
	LOSS PARA	0.0115	0.0142	-0.0010	0.0046	0.0223	LOSS PARA
	DFAC	0.3260	0.3568	0.3513	0.4125	0.4438	DFAC
	EFFP	0.9207	0.9335	1.0294	1.0486	0.8673	EFFP
	EFF	0.9193	0.9324	1.0300	1.0499	0.8635	EFF
	INCID	-0.383	-3.385	-0.824	5.219	7.401	INCID
	DEVM	9.650	6.203	3.631	2.970	3.261	DEVM
	P 1	15.184	15.278	14.836	14.121	13.954	P 1
	P 2	17.150	17.203	17.129	16.977	17.090	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	538.670	537.890	539.810	545.400	554.520	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	29.803	27.340	28.196	35.098	39.353	BETA 2
STATOR-T.E.	BETA 2A	4.604	4.489	2.911	3.619	5.605	BETA 2A
	V 2	499.79	473.81	455.36	436.87	433.72	V 2
	V 2A	457.62	444.47	423.55	414.74	423.64	V 2A
	VZ 2	423.04	417.21	400.63	357.43	335.04	VZ 2
	VZ 2A	452.71	441.88	422.68	413.91	421.44	VZ 2A
	V-THETA 2	242.31	215.71	214.78	251.18	274.74	V-THETA 2
	V-THETA 2A	36.46	34.69	21.49	26.18	41.36	V-THETA 2A
	M 2	0.4480	0.4242	0.4064	0.3873	0.3812	M 2
	M 2A	0.4089	0.3971	0.3772	0.3673	0.3722	M 2A
	TURN(PR)	24.431	22.606	25.233	31.479	33.702	TURN(PR)
	UUBAR	0.0342	0.0356	0.0358	-0.0051	0.0424	UUBAR
	LOSS PARA	0.0134	0.0148	0.0161	-0.0024	0.0207	LOSS PARA
	DFAC	0.2417	0.2182	0.2596	0.2931	0.2876	DFAC
	EFFP	0.8042	0.7251	0.7665	1.3980	0.2660	EFFP
	INCID	-11.900	-10.118	-6.558	1.097	3.305	INCID
	DEVM	13.270	11.976	10.409	11.619	14.503	DEVM
	P 2	17.150	17.203	17.129	16.977	17.090	P 2
	P 2A	17.075	17.132	17.063	16.986	17.021	P 2A
	T 2	538.670	537.890	539.810	545.400	554.520	T 2
	T 2A	538.675	537.890	539.765	545.000	554.120	T 2A
	P21	17.215	17.258	17.141	17.050	17.082	P21
	UUBAR	0.0591	0.0580	0.0385	0.0312	0.0341	UUBAR
	LOSS PARA	0.0231	0.0241	0.0173	0.0146	0.0166	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 89.85 EQUIVALENT ROTOR SPEED = 5435.82 CORRECTED WEIGHT FLOW = 192.83

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	-0.049	0.067	2.084	0.289	2.868	BETA 1
ROTOR -T.E.	BETA 2	47.986	45.250	45.892	51.387	54.318	BETA 2
	BETA(PR) 1	56.631	57.135	61.278	69.714	74.291	BETA(PR) 1
	BETA(PR) 2	30.386	41.453	46.424	49.475	53.594	BETA(PR) 2
	V 1	384.67	441.55	419.62	324.74	272.19	V 1
	V 2	542.75	526.27	543.41	580.01	603.43	V 2
	VZ 1	364.95	433.03	417.20	324.66	271.62	VZ 1
	VZ 2	357.22	368.05	377.65	361.95	351.81	VZ 2
	V-THETA 1	-0.31	0.51	15.18	1.64	13.61	V-THETA 1
	V-THETA 2	396.53	371.27	389.59	453.21	489.91	V-THETA 2
	V(PR) 1	674.6	802.6	869.2	936.4	1003.3	V(PR) 1
	V(PR) 2	425.7	494.8	548.7	557.1	593.1	V(PR) 2
	VTHETA PR1	-554.1	-670.2	-761.4	-878.3	-965.7	VTHETA PR1
	VTHETA PR2	-209.5	-325.1	-396.9	-423.4	-477.1	VTHETA PR2
	U 1	553.82	670.75	776.53	879.95	979.32	U 1
	U 2	606.00	696.37	786.50	876.63	966.99	U 2
	M 1	0.3487	0.4019	0.3813	0.2934	0.2453	M 1
	M 2	0.4794	0.4647	0.4782	0.5062	0.5137	M 2
	M(PR) 1	0.6115	0.7305	0.7898	0.8460	0.9040	M(PR) 1
	M(PR) 2	0.3760	0.4369	0.4828	0.4861	0.5049	M(PR) 2
	TURN(PR)	25.756	15.548	14.820	20.235	20.722	TURN(PR)
	UUBAR	0.0929	0.1197	0.0917	0.1513	0.1864	UUBAR
	LOSS PARA	0.0282	0.0340	0.0259	0.0431	0.0515	LOSS PARA
	DFAC	0.5853	0.5619	0.5466	0.6162	0.6286	DFAC
	EFFP	0.9373	0.9772	1.0157	1.0079	0.7487	EFFP
	EFF	0.9351	0.9764	1.0164	1.0083	0.7341	EFF
	INCID	6.632	3.624	4.555	9.709	10.878	INCID
	DEVM	10.676	8.576	4.234	0.874	0.656	DEVM
	P 1	15.123	15.231	14.856	14.155	14.024	P 1
	P 2	19.225	19.421	19.756	20.298	20.953	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	558.070	556.900	562.000	574.500	604.600	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	45.489	43.622	44.512	49.620	52.778	BETA 2
STATOR-T.E.	BETA 2A	6.704	5.011	4.368	4.467	5.386	BETA 2A
	V 2	555.46	537.47	554.85	594.30	618.20	V 2
	V 2A	378.08	370.59	393.31	433.01	480.30	V 2A
	VZ 2	383.08	386.81	395.21	385.02	373.72	VZ 2
	VZ 2A	372.70	368.15	391.88	431.69	477.98	VZ 2A
	V-THETA 2	389.67	368.64	388.54	452.72	491.96	V-THETA 2
	V-THETA 2A	43.81	32.28	29.94	33.72	45.06	V-THETA 2A
	M 2	0.4911	0.4750	0.4887	0.5193	0.5270	M 2
	M 2A	0.3300	0.3237	0.3424	0.3740	0.4055	M 2A
	TURN(PR)	37.896	38.308	40.083	45.153	47.348	TURN(PR)
	UUBAR	0.0436	0.0841	0.0892	0.1277	0.1815	UUBAR
	LOSS PARA	0.0170	0.0349	0.0401	0.0601	0.0885	LOSS PARA
	DFAC	0.5577	0.5671	0.5801	0.6033	0.5781	DFAC
	EFFP	0.9237	0.8522	0.8405	0.8140	0.6623	EFFP
	INCID	3.650	6.104	9.748	15.620	16.731	INCID
	DEVM	15.354	12.497	11.865	12.467	14.284	DEVM
	P 2	19.225	19.421	19.756	20.298	20.953	P 2
	P 2A	19.097	19.188	19.490	19.862	20.298	P 2A
	T 2	558.070	556.900	562.000	574.500	604.600	T 2
	T 2A	558.100	556.900	561.920	573.400	603.000	T 2A
	P21	19.297	19.302	19.615	20.258	20.815	P21
	UUBAR	0.0673	0.0438	0.0449	0.1181	0.1496	UUBAR
	LOSS PARA	0.0262	0.0181	0.0201	0.0555	0.0729	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.16 EQUIVALENT ROTOR SPEED = 5454.69 CORRECTED WEIGHT FLOW = 219.13

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	-0.117	0.096	2.037	-0.361	2.420	BETA 1
ROTOR -T.E.	BETA 2	40.486	39.119	44.632	46.126	48.156	BETA 2
	BETA(PR) 1	52.792	53.169	57.816	66.374	71.568	BETA(PR) 1
	BETA(PR) 2	29.241	39.559	45.821	49.431	53.554	BETA(PR) 2
	V 1	445.44	513.38	482.42	387.42	323.54	V 1
	V 2	578.00	553.87	550.90	574.82	589.07	V 2
	VZ 1	422.61	503.47	479.66	387.32	322.98	VZ 1
	VZ 2	430.22	426.27	391.42	398.38	392.73	VZ 2
	V-THETA 1	-0.86	0.84	17.06	-2.44	13.65	V-THETA 1
	V-THETA 2	367.26	346.66	386.43	414.36	438.57	V-THETA 2
	V(PR) 1	712.9	845.8	901.9	966.5	1021.6	V(PR) 1
	V(PR) 2	507.2	557.3	562.5	612.6	661.4	V(PR) 2
	VTHETA PR1	-556.6	-672.2	-762.2	-885.4	-969.1	VTHETA PR1
	VTHETA PR2	-240.8	-352.1	-402.8	-465.3	-531.8	VTHETA PR2
	U 1	555.74	673.08	779.23	883.00	982.73	U 1
	U 2	608.10	698.78	789.23	879.67	970.35	U 2
	M 1	0.4055	0.4699	0.4404	0.3513	0.2923	M 1
	M 2	0.5131	0.4912	0.4858	0.5028	0.5054	M 2
	M(PR) 1	0.6490	0.7742	0.8234	0.8763	0.9228	M(PR) 1
	M(PR) 2	0.4502	0.4942	0.4960	0.5358	0.5675	M(PR) 2
	TURN(PR)	22.978	13.446	11.952	16.939	18.037	TURN(PR)
	UUBAR	0.0496	0.0965	0.1093	0.0884	0.0943	UUBAR
	LOSS PARA	0.0152	0.0282	0.0312	0.0252	0.0261	LOSS PARA
	DFAC	0.4785	0.4990	0.5454	0.5549	0.5451	DFAC
	EFFP	0.9493	0.9783	1.0090	1.0438	0.8286	EFFP
	EFF	0.9477	0.9776	1.0094	1.0461	0.8188	EFF
	INCID	2.730	-0.368	1.084	6.369	8.153	INCID
	DEVM	9.552	6.685	3.632	0.830	0.616	DEVM
	P 1	15.285	15.428	14.892	14.013	13.771	P 1
	P 2	19.254	19.416	19.574	19.956	20.423	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.020	554.730	560.450	571.400	594.200	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	38.461	37.767	43.299	44.656	46.932	BETA 2
STATOR-T.E.	BETA 2A	6.452	5.434	3.212	4.995	7.590	BETA 2A
	V 2	592.18	565.92	562.60	588.91	603.32	V 2
	V 2A	442.08	434.24	439.12	465.80	507.56	V 2A
	VZ 2	454.36	444.26	408.97	418.92	411.66	VZ 2
	VZ 2A	436.00	431.08	438.10	464.02	502.91	VZ 2A
	V-THETA 2	360.91	344.19	385.38	413.91	440.40	V-THETA 2
	V-THETA 2A	49.31	41.01	24.59	40.55	67.01	V-THETA 2A
	M 2	0.5263	0.5024	0.4966	0.5158	0.5183	M 2
	M 2A	0.3882	0.3816	0.3840	0.4042	0.4332	M 2A
	TURN(PR)	31.146	32.042	40.025	39.661	39.297	TURN(PR)
	UUBAR	0.0416	0.0583	0.0536	0.0593	0.0800	UUBAR
	LOSS PARA	0.0163	0.0242	0.0241	0.0279	0.0389	LOSS PARA
	DFAC	0.4546	0.4521	0.5063	0.5075	0.4627	DFAC
	EFFP	0.9119	0.8711	0.8857	0.9133	0.8794	EFFP
	INCID	-3.350	0.260	8.535	10.656	10.884	INCID
	DEVM	15.104	12.919	10.710	12.995	16.487	DEVM
	P 2	19.254	19.416	19.574	19.956	20.423	P 2
	P 2A	19.116	19.237	19.411	19.760	20.149	P 2A
	T 2	556.020	554.730	560.450	571.400	594.200	T 2
	T 2A	556.070	554.730	560.320	570.700	592.860	T 2A
	P21	19.269	19.339	19.548	19.917	20.322	P21
	UUBAR	0.0836	0.0317	0.0433	0.0462	0.0500	UUBAR
	LOSS PARA	0.0327	0.0131	0.0194	0.0217	0.0243	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 90.08 EQUIVALENT ROTOR SPEED = 5449.90 CORRECTED WEIGHT FLOW = 247.57

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.418	0.469	0.636	1.128	1.359	BETA 1
ROTOR -T.E.	BETA 2	30.929	28.534	30.771	39.334	41.746	BETA 2
	BETA(PR) 1	47.887	48.965	54.525	64.063	69.045	BETA(PR) 1
	BETA(PR) 2	29.541	38.839	45.428	50.702	55.311	BETA(PR) 2
	V 1	525.62	592.64	553.31	425.20	373.06	V 1
	V 2	624.32	595.25	571.17	556.67	556.40	V 2
	VZ 1	498.66	581.18	550.46	425.01	372.63	VZ 1
	VZ 2	521.13	517.60	489.63	430.55	414.81	VZ 2
	V-THETA 1	3.64	4.75	6.11	8.37	8.84	V-THETA 1
	V-THETA 2	312.24	281.43	291.54	352.83	370.18	V-THETA 2
	V(PR) 1	761.9	892.8	950.1	971.8	1042.0	V(PR) 1
	V(PR) 2	616.0	669.9	698.7	679.8	729.2	V(PR) 2
	VTHETA PR1	-551.6	-667.7	-772.4	-873.9	-973.0	VTHETA PR1
	VTHETA PR2	-295.3	-416.7	-497.0	-526.1	-599.3	VTHETA PR2
	U 1	555.25	672.49	778.55	882.23	981.86	U 1
	U 2	607.57	698.17	788.53	878.90	969.50	U 2
	M 1	0.4816	0.5465	0.5083	0.3865	0.3380	M 1
	M 2	0.5607	0.5323	0.5075	0.4917	0.4852	M 2
	M(PR) 1	0.6981	0.8232	0.8728	0.8834	0.9440	M(PR) 1
	M(PR) 2	0.5532	0.5991	0.6208	0.6004	0.6359	M(PR) 2
	TURN(PR)	17.737	9.943	9.049	13.357	13.755	TURN(PR)
	UUBAR	0.0158	0.0521	0.0087	0.0066	0.0544	UUBAR
	LOSS PARA	0.0048	0.0154	0.0025	0.0018	0.0144	LOSS PARA
	DFAC	0.3406	0.3694	0.3886	0.4556	0.4607	DFAC
	EFFP	1.0257	0.9395	1.0341	1.2144	0.9974	EFFP
	EFF	1.0264	0.9379	1.0353	1.2244	0.9973	EFF
	INCID	-2.217	-4.589	-2.213	4.058	5.629	INCID
	DEVM	9.846	5.968	3.238	2.101	2.374	DEVM
	P 1	15.533	15.758	14.932	13.612	13.450	P 1
	P 2	18.981	19.093	18.992	18.756	19.043	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	548.490	549.890	554.340	559.330	573.030	T 21

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	29.405	27.568	29.932	38.186	40.792	BETA 2
STATOR-T.E.	BETA 2A	5.011	3.961	2.308	3.748	5.889	BETA 2A
	V 2	640.81	609.08	583.68	570.10	569.55	V 2
	V 2A	566.52	551.21	529.05	516.03	537.47	V 2A
	VZ 2	544.44	535.23	504.97	448.10	430.78	VZ 2
	VZ 2A	560.12	548.36	528.23	514.92	534.41	VZ 2A
	V-THETA 2	306.84	279.43	290.75	352.44	371.73	V-THETA 2
	V-THETA 2A	49.11	37.97	21.28	33.73	55.12	V-THETA 2A
	M 2	0.5764	0.5454	0.5192	0.5041	0.4972	M 2
	M 2A	0.5060	0.4910	0.4684	0.4544	0.4683	M 2A
	TURN(PR)	23.636	23.358	27.571	34.438	34.857	TURN(PR)
	UUBAR	0.0528	0.0514	0.0493	0.0169	0.0550	UUBAR
	LOSS PARA	0.0207	0.0214	0.0222	0.0080	0.0268	LOSS PARA
	DFAC	0.2694	0.2573	0.3000	0.3580	0.3294	DFAC
	EFFP	0.7868	0.7490	0.7647	1.0106	0.7104	EFFP
	INCID	-12.291	-9.892	-4.823	4.186	4.744	INCID
	DEVM	13.673	11.450	9.806	11.748	14.786	DEVM
	P 2	18.981	19.093	18.992	18.756	19.043	P 2
	P 2A	18.779	18.914	18.835	18.706	18.880	P 2A
	T 2	548.490	549.890	554.340	559.330	573.030	T 2
	T 2A	548.500	549.880	554.250	558.850	572.300	T 2A
	P21	18.993	19.066	18.771	18.754	18.979	P21
	UUBAR	0.0562	0.0444	0.0378	0.0169	0.0348	UUBAR
	LOSS PARA	0.0220	0.0184	0.0170	0.0079	0.0169	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.20 EQUIVALENT ROTOR SPEED = 6062.35 CORRECTED WEIGHT FLOW = 216.73

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.292	0.604	2.646	1.192	9.126	BETA 1
ROTOR -T.E.	BETA 2	48.344	46.501	47.354	50.666	54.328	BETA 2
	BETA(PR) 1	56.264	56.168	60.411	68.131	72.736	BETA(PR) 1
	BETA(PR) 2	31.886	41.941	46.881	48.781	52.961	BETA(PR) 2
	V 1	433.30	507.69	482.15	390.81	327.71	V 1
	V 2	592.04	581.57	602.05	653.09	680.68	V 2
	VZ 1	411.09	497.87	479.18	390.63	323.29	VZ 1
	VZ 2	387.03	397.79	407.28	413.95	396.74	VZ 2
	V-THETA 1	2.10	5.25	22.14	8.13	51.93	V-THETA 1
	V-THETA 2	435.07	419.20	442.21	505.13	552.70	V-THETA 2
	V(PR) 1	752.8	899.7	971.7	1048.7	1089.4	V(PR) 1
	V(PR) 2	468.2	538.8	596.7	628.2	659.0	V(PR) 2
	VTHETA PR1	-615.6	-742.8	-843.9	-973.2	-1040.3	VTHETA PR1
	VTHETA PR2	-240.8	-357.4	-434.9	-472.5	-525.7	VTHETA PR2
	U 1	617.65	748.06	866.04	981.37	1092.20	U 1
	U 2	675.85	776.63	877.15	977.66	1078.45	U 2
	M 1	0.3941	0.4645	0.4402	0.3544	0.2961	M 1
	M 2	0.5204	0.5109	0.5263	0.5656	0.5733	M 2
	M(PR) 1	0.6847	0.8231	0.8871	0.9511	0.9844	M(PR) 1
	M(PR) 2	0.4115	0.4733	0.5217	0.5440	0.5550	M(PR) 2
	TURN(PR)	23.908	14.087	13.494	19.346	19.800	TURN(PR)
	UUBAR	0.0728	0.1218	0.0926	0.1347	0.1092	UUBAR
	LOSS PARA	0.0218	0.0343	0.0260	0.0389	0.0307	LOSS PARA
	DFAC	0.5897	0.5789	0.5644	0.6084	0.6077	DFAC
	EFFP	0.9317	0.9543	0.9867	0.9827	0.7733	EFFP
	EFF	0.9288	0.9523	0.9860	0.9816	0.7566	EFF
	INCID	6.258	2.650	3.685	8.126	9.322	INCID
	DEVN	12.149	9.063	4.692	0.179	0.022	DEVN
	P 1	15.221	15.392	14.895	14.101	13.777	P 1
	P 2	20.448	20.784	21.222	22.024	22.847	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	567.850	567.500	574.700	590.500	625.300	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	45.742	44.740	45.822	48.778	52.593	BETA 2
STATOR-T.E.	BETA 2A	5.255	4.732	3.999	3.660	5.018	BETA 2A
	V 2	606.72	594.66	615.60	670.85	699.15	V 2
	V 2A	403.50	393.57	436.85	488.59	556.62	V 2A
	VZ 2	416.60	420.02	428.54	442.08	424.45	VZ 2
	VZ 2A	398.80	391.14	435.46	487.59	554.26	VZ 2A
	V-THETA 2	427.54	416.22	441.01	504.59	555.02	V-THETA 2
	V-THETA 2A	36.68	32.38	30.44	31.19	48.66	V-THETA 2A
	M 2	0.5340	0.5230	0.5389	0.5820	0.5899	M 2
	M 2A	0.3496	0.3410	0.3771	0.4177	0.4644	M 2A
	TURN(PR)	39.589	39.704	41.761	45.118	47.531	TURN(PR)
	UUBAR	0.0585	0.1241	0.0940	0.1308	0.1503	UUBAR
	LOSS PARA	0.0229	0.0515	0.0422	0.0615	0.0734	LOSS PARA
	DFAC	0.5819	0.6029	0.5886	0.6039	0.5595	DFAC
	EFFP	0.9052	0.8033	0.8447	0.8038	0.7069	EFFP
	INCID	3.904	7.222	11.057	14.778	16.546	INCID
	DEVN	13.915	12.219	11.496	11.660	13.915	DEVN
	P 2	20.448	20.784	21.222	22.024	22.847	P 2
	P 2A	20.237	20.345	20.865	21.434	22.127	P 2A
	T 2	567.850	567.500	574.700	590.500	625.300	T 2
	T 2A	567.850	567.400	574.400	589.300	623.700	T 2A
	P21	20.442	20.483	21.041	21.660	22.434	P21
	UUBAR	0.0585	0.0443	0.0499	0.0558	0.0972	UUBAR
	LOSS PARA	0.0228	0.0183	0.0224	0.0262	0.0474	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 101.18 EQUIVALENT ROTOR SPEED = 6121.37 CORRECTED WEIGHT FLOW = 218.34

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.409	-0.067	1.677	0.654	5.830	BETA 1
ROTOR -T.E.	BETA 2	47.445	45.778	46.153	49.979	54.173	BETA 2
	BETA(PR) 1	55.883	55.951	60.205	68.195	74.273	BETA(PR) 1
	BETA(PR) 2	30.905	41.548	46.969	49.022	53.034	BETA(PR) 2
	V 1	443.22	520.89	495.20	394.77	303.69	V 1
	V 2	608.20	591.36	606.19	655.45	685.83	V 2
	VZ 1	420.49	510.83	492.47	394.64	301.87	VZ 1
	VZ 2	404.33	409.76	419.30	421.49	401.26	VZ 2
	V-THETA 1	3.00	-0.60	14.41	4.50	30.82	V-THETA 1
	V-THETA 2	440.40	421.05	436.53	501.94	555.80	V-THETA 2
	V(PR) 1	762.7	918.0	992.3	1062.5	1113.8	V(PR) 1
	V(PR) 2	484.3	551.6	615.4	642.8	667.6	V(PR) 2
	VTHETA PR1	-620.7	-755.9	-860.1	-986.4	-1072.0	VTHETA PR1
	VTHETA PR2	-242.0	-363.1	-449.2	-485.2	-533.1	VTHETA PR2
	U 1	623.67	755.34	874.47	990.92	1102.84	U 1
	U 2	682.43	784.19	885.69	987.18	1088.95	U 2
	M 1	0.4034	0.4771	0.4526	0.3581	0.2741	M 1
	M 2	0.5356	0.5203	0.5312	0.5686	0.5780	M 2
	M(PR) 1	0.6942	0.8408	0.9069	0.9638	1.0051	M(PR) 1
	M(PR) 2	0.4265	0.4853	0.5393	0.5576	0.5626	M(PR) 2
	TURN(PR)	24.485	14.260	13.198	19.170	21.264	TURN(PR)
	UUBAR	0.0838	0.1434	0.1052	0.1389	0.1758	UUBAR
	LOSS PARA	0.0253	0.0407	0.0294	0.0399	0.0493	LOSS PARA
	DFAC	0.5761	0.5764	0.5555	0.5999	0.6187	DFAC
	EFFP	0.9490	0.9662	1.0211	1.0085	0.7664	EFFP
	EFF	0.9468	0.9648	1.0222	1.0090	0.7494	EFF
	INCID	5.870	2.431	3.478	8.190	10.861	INCID
	DEVM	11.185	8.671	4.780	0.420	0.096	DEVM
	P 1	15.221	15.415	14.886	14.036	13.743	P 1
	P 2	20.507	20.806	21.181	21.963	22.669	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	567.400	566.800	572.500	588.850	625.100	T 21
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	44.883	44.041	44.672	48.125	52.440	BETA 2
STATOR-T.E.	BETA 2A	6.813	4.920	4.123	4.502	4.758	BETA 2A
	V 2	623.63	604.85	619.93	673.38	704.52	V 2
	V 2A	412.09	404.56	431.60	473.63	526.55	V 2A
	VZ 2	434.55	432.29	440.36	449.49	429.20	VZ 2
	VZ 2A	406.13	401.95	430.16	472.17	524.52	VZ 2A
	V-THETA 2	432.77	418.06	435.34	501.40	558.12	V-THETA 2
	V-THETA 2A	48.52	34.60	31.01	37.17	43.65	V-THETA 2A
	M 2	0.5500	0.5328	0.5440	0.5852	0.5948	M 2
	M 2A	0.3574	0.3509	0.3731	0.4050	0.4385	M 2A
	TURN(PR)	37.182	38.817	40.488	43.623	47.637	TURN(PR)
	UUBAR	0.0698	0.1085	0.1013	0.1566	0.1846	UUBAR
	LOSS PARA	0.0273	0.0450	0.0455	0.0736	0.0902	LOSS PARA
	DFAC	0.5751	0.5911	0.5955	0.6212	0.6112	DFAC
	EFFP	0.8886	0.8244	0.8324	0.7590	0.7013	EFFP
	INCID	3.045	6.523	9.907	14.124	16.393	INCID
	DEVM	15.462	12.406	11.620	12.502	13.656	DEVM
	P 2	20.507	20.806	21.181	21.963	22.669	P 2
	P 2A	20.241	20.409	20.790	21.251	21.778	P 2A
	T 2	567.400	566.800	572.500	588.850	625.100	T 2
	T 2A	567.400	566.750	572.300	587.900	623.050	T 2A
	P21	20.498	20.540	20.954	21.581	22.317	P21
	UUBAR	0.0563	0.0407	0.0477	0.0811	0.1224	UUBAR
	LOSS PARA	0.0220	0.0168	0.0214	0.0381	0.0598	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 100.75 EQUIVALENT ROTOR SPEED = 6095.11 CORRECTED WEIGHT FLOW = 239.31

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.545	-0.210	0.220	2.036	5.515	BETA 1
ROTOR -T.E.	BETA 2	42.159	40.181	41.221	48.166	50.298	BETA 2
	BETA(PR) 1	52.427	52.955	57.576	66.690	71.877	BETA(PR) 1
	BETA(PR) 2	28.384	39.193	45.514	49.061	52.338	BETA(PR) 2
	V 1	499.93	580.46	554.58	419.09	350.31	V 1
	V 2	647.17	620.54	620.07	649.26	679.32	V 2
	VZ 1	474.29	569.25	551.75	418.72	348.39	VZ 1
	VZ 2	469.99	470.42	465.58	433.03	433.70	VZ 2
	V-THETA 1	4.51	-2.09	2.12	14.89	33.64	V-THETA 1
	V-THETA 2	425.55	397.26	407.88	483.74	522.36	V-THETA 2
	V(PR) 1	793.7	951.7	1030.5	1058.2	1120.1	V(PR) 1
	V(PR) 2	549.8	611.9	665.4	660.9	710.2	V(PR) 2
	VTHETA PR1	-616.5	-754.2	-868.6	-971.8	-1064.5	VTHETA PR1
	VTHETA PR2	-254.0	-383.6	-474.0	-499.2	-561.9	VTHETA PR2
	U 1	620.99	752.10	870.72	986.67	1098.10	U 1
	U 2	679.50	780.83	881.89	982.95	1084.27	U 2
	M 1	0.4571	0.5346	0.5095	0.3808	0.3169	M 1
	M 2	0.5734	0.5492	0.5448	0.5648	0.5762	M 2
	M(PR) 1	0.7257	0.8765	0.9468	0.9615	1.0134	M(PR) 1
	M(PR) 2	0.4871	0.5416	0.5847	0.5749	0.6023	M(PR) 2
	TURN(PR)	23.448	13.597	12.019	17.625	19.563	TURN(PR)
	UUBAR	0.0322	0.1088	0.0789	0.0563	0.0946	UUBAR
	LOSS PARA	0.0100	0.0320	0.0227	0.0162	0.0269	LOSS PARA
	DFAC	0.5027	0.5191	0.5168	0.5694	0.5678	DFAC
	EFFP	0.9983	1.0082	1.0261	1.0844	0.8272	EFFP
	EFF	0.9982	1.0085	1.0274	1.0901	0.8146	EFF
	INCID	2.361	-0.583	0.843	6.685	8.463	INCID
	DEVM	8.712	6.320	3.324	0.459	-0.600	DEVM
	P 1	15.374	15.641	14.973	13.687	13.503	P 1
	P 2	20.725	20.925	21.148	21.616	22.317	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	564.990	563.300	571.050	585.070	617.000	T 2
STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	39.900	38.687	39.942	46.435	48.781	BETA 2
STATOR-T.E.	BETA 2A	7.325	4.760	3.350	4.660	6.965	BETA 2A
	V 2	664.79	635.34	634.43	666.88	697.87	V 2
	V 2A	467.73	461.59	470.36	503.48	560.92	V 2A
	VZ 2	500.14	492.57	485.77	459.60	459.51	VZ 2
	VZ 2A	460.46	458.72	469.20	501.80	556.56	VZ 2A
	V-THETA 2	418.18	394.44	406.78	483.22	524.55	V-THETA 2
	V-THETA 2A	59.19	38.20	27.46	40.90	67.99	V-THETA 2A
	M 2	0.5901	0.5632	0.5582	0.5811	0.5930	M 2
	M 2A	0.4080	0.4032	0.4083	0.4328	0.4714	M 2A
	TURN(PR)	31.709	33.630	36.532	41.775	41.771	TURN(PR)
	UUBAR	0.0921	0.0907	0.0801	0.0983	0.1131	UUBAR
	LOSS PARA	0.0360	0.0376	0.0360	0.0462	0.0550	LOSS PARA
	DFAC	0.5028	0.5033	0.5260	0.5573	0.5176	DFAC
	EFFP	0.8360	0.8284	0.8657	0.9408	0.8021	EFFP
	INCID	-1.921	1.177	5.179	12.435	12.733	INCID
	DEVM	15.971	12.247	10.847	12.660	15.862	DEVM
	P 2	20.725	20.925	21.148	21.616	22.317	P 2
	P 2A	20.324	20.558	20.825	21.181	21.783	P 2A
	T 2	564.990	563.300	571.050	585.070	617.000	T 2
	T 2A	565.050	563.300	570.600	584.200	615.400	T 2A
	P21	20.564	20.759	21.038	21.433	22.135	P21
	UUBAR	0.0558	0.0502	0.0526	0.0579	0.0761	UUBAR
	LOSS PARA	0.0218	0.0208	0.0236	0.0272	0.0370	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Radial Distortion

CALCULATIONS USING TRANSLATED VALUES

PERCENT EQUIVALENT DESIGN SPEED = 101.00 EQUIVALENT ROTOR SPEED = 6110.70 CORRECTED WEIGHT FLOW = 268.24

ROTOR	PCT SPAN	90.01	69.98	50.00	30.02	9.99	PCT SPAN
	DIA	25.550	29.360	33.160	36.960	40.770	DIA
ROTOR -L.E.	BETA 1	0.588	-0.126	0.394	0.884	1.374	BETA 1
ROTOR -T.E.	BETA 2	31.868	30.221	31.777	41.151	42.147	BETA 2
	BETA(PR) 1	47.790	48.923	54.584	64.034	69.772	BETA(PR) 1
	BETA(PR) 2	29.161	39.130	47.633	52.385	55.952	BETA(PR) 2
	V 1	589.77	671.47	620.89	478.32	402.57	V 1
	V 2	698.44	655.43	607.50	602.65	615.23	V 2
	VZ 1	559.51	658.51	617.71	478.14	402.11	VZ 1
	VZ 2	577.49	560.74	515.27	453.77	455.80	VZ 2
	V-THETA 1	5.74	-1.44	4.25	7.38	9.65	V-THETA 1
	V-THETA 2	359.01	326.63	319.20	396.56	412.52	V-THETA 2
	V(PR) 1	853.4	1010.7	1067.8	1092.1	1163.1	V(PR) 1
	V(PR) 2	680.3	728.7	765.7	743.5	814.4	V(PR) 2
	VTHETA PR1	-616.8	-755.5	-868.7	-981.8	-1091.3	VTHETA PR1
	VTHETA PR2	-322.2	-456.2	-564.9	-588.9	-674.5	VTHETA PR2
	U 1	622.58	754.03	872.94	989.20	1100.91	U 1
	U 2	681.24	782.82	884.14	985.46	1087.05	U 2
	M 1	0.5437	0.6245	0.5742	0.4365	0.3654	M 1
	M 2	0.6257	0.5842	0.5361	0.5283	0.5303	M 2
	M(PR) 1	0.7867	0.9400	0.9875	0.9967	1.0557	M(PR) 1
	M(PR) 2	0.6094	0.6495	0.6758	0.6518	0.7020	M(PR) 2
	TURN(PR)	18.013	9.611	6.902	11.645	13.842	TURN(PR)
	UUBAR	0.0211	0.0970	0.0807	0.0521	0.0671	UUBAR
	LOSS PARA	0.006[illegible]	0.0285	0.0223	0.0139	0.0175	LOSS PARA
	DFAC	0.355[illegible]	0.4044	0.4046	0.4752	0.4601	DFAC
	EFFP	0.9653	0.8849	0.8735	1.1140	0.9220	EFFP
	EFF	0.9641	0.8810	0.8687	1.1204	0.9172	EFF
	INCID	-2.313	-4.631	-2.154	4.029	6.356	INCID
	DEVN	9.474	6.258	5.444	3.783	3.015	DEVN
	P 1	15.617	15.919	15.146	13.356	13.040	P 1
	P 2	20.131	20.136	19.680	19.524	19.950	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.180	559.580	565.080	571.750	591.750	T 2

STATOR A	PCT SPAN	90.55	71.21	51.03	30.30	10.00	PCT SPAN
	DIA	27.160	30.350	33.680	37.100	40.450	DIA
STATOR-L.E.	BETA 2	30.173	29.121	30.874	39.867	41.108	BETA 2
STATOR-T.E.	BETA 2A	5.294	3.854	1.915	3.389	6.073	BETA 2A
	V 2	719.47	672.09	621.38	617.99	630.66	V 2
	V 2A	639.06	600.96	561.53	541.55	589.81	V 2A
	VZ 2	606.83	582.17	532.45	474.33	474.73	VZ 2
	VZ 2A	631.57	597.93	560.80	540.59	586.26	VZ 2A
	V-THETA 2	352.79	324.31	318.33	396.13	414.25	V-THETA 2
	V-THETA 2A	58.52	40.28	18.75	32.02	62.37	V-THETA 2A
	M 2	0.6461	0.6001	0.5491	0.5426	0.5443	M 2
	M 2A	0.5689	0.5328	0.4935	0.4724	0.5080	M 2A
	TURN(PR)	24.110	25.009	28.904	36.478	34.990	TURN(PR)
	UUBAR	0.0447	0.0697	0.0468	0.0619	0.0574	UUBAR
	LOSS PARA	0.0175	0.0290	0.0211	0.0291	0.0279	LOSS PARA
	DFAC	0.2678	0.2789	0.3119	0.4011	0.3388	DFAC
	EFFP	0.8200	0.7017	0.7835	0.7979	0.9896	EFFP
	INCID	-11.536	-8.348	-3.883	5.867	5.060	INCID
	DEVN	13.954	11.343	9.413	11.389	14.971	DEVN
	P 2	20.131	20.136	19.680	19.524	19.950	P 2
	P 2A	19.911	19.832	19.509	19.305	19.741	P 2A
	T 2	559.180	559.580	565.080	571.750	591.750	T 2
	T 2A	559.180	559.530	565.000	571.400	590.000	T 2A
	P21	20.247	20.039	19.630	19.439	19.941	P21
	UUBAR	0.0653	0.0469	0.0314	0.0367	0.0531	UUBAR
	LOSS PARA	0.0255	0.0195	0.0141	0.0172	0.0258	LOSS PARA

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (10°) - Station 2 (11°) - Station 2A (24°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.730	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-5.194	-5.671	-6.095	-3.175	-2.061	BETA 1
STATION 2	BETA 2	66.836	61.012	57.518	52.132	42.117	BETA 2
	BETA(PR) 1	70.750	71.403	72.432	71.517	73.440	BETA(PR) 1
	BETA(PR) 2	37.752	43.119	45.894	47.777	51.537	BETA(PR) 2
	V 1	201.33	232.91	253.72	298.04	293.82	V 1
	V 2	500.28	525.46	561.33	596.00	599.80	V 2
	VZ 1	193.32	228.75	251.46	297.55	293.46	VZ 1
	VZ 2	195.71	253.92	301.22	365.85	444.53	VZ 2
	V-THETA 1	-17.57	-22.72	-26.85	-16.51	-10.56	V-THETA 1
	V-THETA 2	457.41	458.31	473.15	470.50	401.90	V-THETA 2
	V(PR) 1	588.8	718.7	833.4	938.6	1029.7	V(PR) 1
	V(PR) 2	253.0	350.1	433.4	544.4	715.1	V(PR) 2
	VTHETA PR1	-553.6	-679.8	-794.2	-890.2	-986.9	VTHETA PR1
	VTHETA PR2	-151.5	-237.8	-310.8	-403.1	-559.6	VTHETA PR2
	U 1	535.99	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.1809	0.2095	0.2285	0.2689	0.2650	M 1
	M 2	0.4409	0.4639	0.4939	0.5214	0.5185	M 2
	M(PR) 1	0.5291	0.6462	0.7504	0.8468	0.9288	M(PR) 1
	M(PR) 2	0.2230	0.3091	0.3813	0.4762	0.6181	M(PR) 2
	TURN(PR)	33.292	28.399	26.560	23.738	21.939	TURN(PR)
	P 1	13.728	13.737	13.785	13.814	13.871	P 1
	P 2	18.260	18.613	18.956	19.540	19.854	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.662	557.031	563.801	573.402	586.932	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	66.836	61.012	57.518	52.132	42.117	BETA 2
STATION 2A	BETA 2A	23.103	0.993	-6.294	1.203	5.661	BETA 2A
	V 2	500.28	525.46	561.33	596.00	599.80	V 2
	V 2A	194.72	301.45	403.80	478.28	535.04	V 2A
	VZ 2	195.71	253.92	301.22	365.85	444.53	VZ 2
	VZ 2A	174.45	300.91	401.19	478.17	532.31	VZ 2A
	V-THETA 2	457.41	458.31	473.15	470.50	401.90	V-THETA 2
	V-THETA 2A	76.12	5.22	-44.25	10.04	52.77	V-THETA 2A
	M 2	0.4409	0.4639	0.4939	0.5214	0.5185	M 2
	M 2A	0.1680	0.2611	0.3499	0.4129	0.4589	M 2A
	TURN(PR)	43.094	59.726	63.740	50.929	36.412	TURN(PR)
	P 2	18.260	18.613	18.956	19.540	19.854	P 2
	P 2A	16.811	17.309	17.969	18.660	19.283	P 2A
	T 2	556.662	557.031	563.801	573.402	586.932	T 2
	T 2A	562.165	562.511	567.779	577.500	589.480	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (40°) - Station 2 (41°) - Station 2A (54°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-29.691	-25.154	-24.815	-16.637	-16.936	BETA 1
STATION 2	BETA 2	66.022	62.575	71.006	64.012	50.942	BETA 2
	BETA(PR) 1	73.107	74.637	76.543	74.259	80.574	BETA(PR) 1
	BETA(PR) 2	34.443	39.630	61.206	57.035	56.994	BETA(PR) 2
	V 1	233.70	231.50	228.09	280.68	178.55	V 1
	V 2	513.72	549.93	509.93	554.86	550.85	V 2
	VZ 1	197.47	207.28	206.47	268.90	170.71	VZ 1
	VZ 2	207.54	252.64	165.92	243.13	346.87	VZ 2
	V-THETA 1	-112.60	-97.34	-95.47	-80.35	-51.98	V-THETA 1
	V-THETA 2	466.62	486.86	482.03	498.75	427.46	V-THETA 2
	V(PR) 1	681.7	783.2	887.4	991.2	1042.4	V(PR) 1
	V(PR) 2	257.7	330.4	344.7	446.8	637.1	V(PR) 2
	VTHETA PR1	-650.2	-754.5	-862.9	-954.0	-1028.3	VTHETA PR1
	VTHETA PR2	-142.3	-209.2	-301.9	-374.9	-534.0	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2103	0.2083	0.2052	0.2530	0.1603	M 1
	M 2	0.4496	0.4821	0.4436	0.4811	0.4696	M 2
	M(PR) 1	0.6133	0.7045	0.7982	0.8935	0.9362	M(PR) 1
	M(PR) 2	0.2256	0.2896	0.2999	0.3874	0.5431	M(PR) 2
	TURN(PR)	38.999	35.152	15.358	17.222	23.616	TURN(PR)
	P 1	13.843	13.769	13.764	13.868	13.657	P 1
	P 2	18.222	18.623	18.041	18.988	19.161	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.365	566.717	571.590	579.275	598.013	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	66.022	62.575	71.006	64.012	50.942	BETA 2
STATION 2A	BETA 2A	-23.818	-24.226	-26.956	-12.687	9.394	BETA 2A
	V 2	513.72	549.93	509.93	554.86	550.85	V 2
	V 2A	297.90	304.45	332.74	416.32	487.30	V 2A
	VZ 2	207.54	252.64	165.92	243.13	346.87	VZ 2
	VZ 2A	271.53	277.26	296.49	406.15	480.66	VZ 2A
	V-THETA 2	466.62	486.86	482.03	498.75	427.46	V-THETA 2
	V-THETA 2A	-119.86	-124.76	-150.78	-91.43	79.52	V-THETA 2A
	M 2	0.4496	0.4821	0.4436	0.4811	0.4696	M 2
	M 2A	0.2574	0.2626	0.2856	0.3562	0.4121	M 2A
	TURN(PR)	89.000	86.482	97.905	76.699	41.505	TURN(PR)
	P 2	18.222	18.623	18.041	18.988	19.161	P 2
	P 2A	17.187	17.220	17.401	17.959	18.570	P 2A
	T 2	565.365	566.717	571.590	579.275	598.013	T 2
	T 2A	564.735	567.179	574.240	582.972	601.641	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (70°) - Station 2 (71°) - Station 2A (84°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45. EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-29.514	-21.806	-24.673	-13.444	64.200	BETA 1
STATION 2	BETA 2	48.731	57.097	76.949	66.709	63.081	BETA 2
	BETA(PR) 1	71.413	73.525	81.902	81.750	84.232	BETA(PR) 1
	BETA(PR) 2	33.538	35.026	65.358	61.946	56.187	BETA(PR) 2
	V 1	263.84	240.14	128.92	134.94	187.45	V 1
	V 2	520.19	572.46	534.65	526.15	613.55	V 2
	VZ 1	223.32	220.42	116.83	131.23	-81.57	VZ 1
	VZ 2	337.87	309.86	120.72	208.04	277.68	VZ 2
	V-THETA 1	-126.42	-88.19	-53.67	-31.37	168.74	V-THETA 1
	V-THETA 2	385.01	478.91	520.76	483.27	546.89	V-THETA 2
	V(PR) 1	703.3	778.1	829.4	914.5	811.7	V(PR) 1
	V(PR) 2	415.4	381.5	289.7	442.4	499.2	V(PR) 2
	VTHETA PR1	-664.1	-745.3	-821.1	-905.0	-807.6	VTHETA PR1
	VTHETA PR2	-223.9	-217.2	-263.2	-390.4	-414.6	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2377	0.2161	0.1156	0.1207	0.1674	M 1
	M 2	0.4540	0.5021	0.4630	0.4510	0.5210	M 2
	M(PR) 1	0.6335	0.7002	0.7439	0.8180	0.7251	M(PR) 1
	M(PR) 2	0.3625	0.3346	0.2508	0.3792	0.4239	M(PR) 2
	TURN(PR)	38.147	38.616	16.576	19.803	28.084	TURN(PR)

P 1	14.084	14.025	13.865	13.541	13.535	P 1
P 2	18.204	18.507	17.823	18.253	19.341	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	568.949	568.302	578.864	589.386	608.535	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.731	57.097	76.949	66.709	63.081	BETA 2
STATION 2A	BETA 2A	6.149	5.619	-11.935	-40.653	-0.764	BETA 2A
	V 2	520.19	572.46	534.65	526.15	613.55	V 2
	V 2A	453.76	361.70	295.63	363.95	445.12	V 2A
	VZ 2	337.87	309.86	120.72	208.04	277.68	VZ 2
	VZ 2A	449.21	359.38	289.12	276.12	444.98	VZ 2A
	V-THETA 2	385.01	478.91	520.76	483.27	546.89	V-THETA 2
	V-THETA 2A	48.40	35.36	-61.11	-237.11	-5.93	V-THETA 2A
	M 2	0.4540	0.5021	0.4630	0.4510	0.5210	M 2
	M 2A	0.3927	0.3120	0.2510	0.3071	0.3714	M 2A
	TURN(PR)	41.619	51.171	88.845	107.362	63.808	TURN(PR)

P 2	18.204	18.507	17.823	18.253	19.341	P 2
P 2A	18.127	17.532	17.254	17.516	18.052	P 2A
T 2	568.949	568.302	578.864	589.386	608.535	T 2
T 2A	572.911	570.308	584.476	595.527	614.330	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (100°) - Station 2 (101°) - Station 2A (114°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-22.190	-13.949	-10.405	-4.760	52.277	BETA 1
STATION 2	BETA 2	44.559	54.356	64.506	65.214	64.320	BETA 2
	BETA(PR) 1	68.171	70.820	74.837	76.040	83.624	BETA(PR) 1
	BETA(PR) 2	25.252	40.011	56.316	61.565	55.871	BETA(PR) 2
	V 1	286.85	261.03	223.23	222.57	155.84	V 1
	V 2	597.44	536.91	506.53	519.38	624.30	V 2
	VZ 1	257.42	250.19	218.86	221.77	95.33	VZ 1
	VZ 2	418.12	311.59	217.91	217.74	270.45	VZ 2
	V-THETA 1	-105.00	-62.14	-40.19	-18.47	123.24	V-THETA 1
	V-THETA 2	411.74	434.52	456.98	471.54	562.46	V-THETA 2
	V(PR) 1	695.9	762.6	836.9	919.3	858.4	V(PR) 1
	V(PR) 2	475.7	409.7	393.2	457.3	482.3	V(PR) 2
	VTHETA PR1	-642.6	-719.3	-807.6	-892.1	-853.1	VTHETA PR1
	VTHETA PR2	-197.2	-261.6	-326.9	-402.1	-399.0	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2587	0.2351	0.2008	0.2002	0.1393	M 1
	M 2	0.5224	0.4656	0.4326	0.4396	0.5264	M 2
	M(PR) 1	0.6275	0.6869	0.7527	0.8267	0.7675	M(PR) 1
	M(PR) 2	0.4159	0.3553	0.3359	0.3870	0.4066	M(PR) 2
	TURN(PR)	42.950	30.913	18.543	14.474	27.792	TURN(PR)

	P 1	14.431	14.385	14.399	14.376	13.789	P 1
	P 2	18.969	18.009	17.754	18.049	19.295	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	~~T 2~~	~~574.156~~	~~577.438~~	~~591.816~~	~~603.528~~	~~617.906~~	~~T 21~~

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.559	54.356	64.506	65.214	64.320	BETA 2
STATION 2A	BETA 2A	5.572	0.820	-12.376	-13.061	-2.670	BETA 2A
	V 2	597.44	536.91	506.53	519.38	624.30	V 2
	V 2A	519.15	350.64	331.19	379.41	444.77	V 2A
	VZ 2	418.12	311.59	217.91	217.74	270.45	VZ 2
	VZ 2A	514.47	350.03	323.36	369.59	444.19	VZ 2A
	V-THETA 2	411.74	434.52	456.98	471.54	562.46	V-THETA 2
	V-THETA 2A	50.19	5.01	-70.95	-85.74	-20.71	V-THETA 2A
	M 2	0.5224	0.4656	0.4326	0.4396	0.5264	M 2
	M 2A	0.4516	0.3012	0.2812	0.3199	0.3702	M 2A
	TURN(PR)	38.016	53.209	76.817	78.275	66.954	TURN(PR)

P 2	18.969	18.009	17.754	18.049	19.295	P 2
P 2A	18.655	17.458	17.407	17.603	18.006	P 2A
T 2	574.156	577.438	591.816	603.528	617.906	T 2
T 2A	572.407	574.179	586.538	597.433	617.189	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (130°) - Station 2 (131°) - Station 2A (144°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-5.763	-2.563	-0.753	2.594	50.789	BETA 1
STATION 2	BETA 2	45.524	53.491	66.047	56.519	69.432	BETA 2
	BETA(PR) 1	65.351	65.337	67.464	68.926	85.569	BETA(PR) 1
	BETA(PR) 2	21.073	39.245	48.851	49.465	58.425	BETA(PR) 2
	V 1	269.54	312.46	321.27	331.26	109.33	V 1
	V 2	630.01	542.02	568.94	590.63	637.77	V 2
	VZ 1	258.70	308.06	320.18	330.87	69.10	VZ 1
	VZ 2	433.80	321.09	230.88	325.83	224.01	VZ 2
	V-THETA 1	-26.11	-13.79	-4.21	14.99	84.69	V-THETA 1
	V-THETA 2	441.80	433.79	519.72	492.62	596.99	V-THETA 2
	V(PR) 1	624.3	740.0	835.8	920.2	894.3	V(PR) 1
	V(PR) 2	479.2	417.6	351.3	501.3	428.0	V(PR) 2
	VTHETA PR1	-563.8	-670.9	-771.6	-858.7	-891.7	VTHETA PR1
	VTHETA PR2	-167.2	-262.3	-264.2	-381.0	-364.5	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2429	0.2821	0.2902	0.2994	0.0980	M 1
	M 2	0.5556	0.4751	0.4939	0.5090	0.5409	M 2
	M(PR) 1	0.5625	0.6681	0.7549	0.8316	0.8019	M(PR) 1
	M(PR) 2	0.4226	0.3661	0.3050	0.4320	0.3630	M(PR) 2
	TURN(PR)	44.139	26.142	18.622	19.459	27.182	TURN(PR)

P 1	14.398	14.525	14.512	14.365	14.035	P 1
P 2	19.201	18.169	18.413	18.963	19.658	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	568.158	566.065	579.126	589.459	612.415	T 21

STATOR A.	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	45.524	53.491	66.047	56.519	69.432	BETA 2
STATION 2A	BETA 2A	7.506	2.894	1.135	-0.566	1.328	BETA 2A
	V 2	630.01	542.02	568.94	590.63	637.77	V 2
	V 2A	512.56	376.83	367.23	401.13	455.99	V 2A
	VZ 2	433.80	321.09	230.88	325.83	224.01	VZ 2
	VZ 2A	506.00	375.74	367.00	401.11	455.76	VZ 2A
	V-THETA 2	441.80	433.79	519.72	492.62	596.99	V-THETA 2
	V-THETA 2A	66.67	18.99	7.27	-3.96	10.57	V-THETA 2A
	M 2	0.5556	0.4751	0.4939	0.5090	0.5409	M 2
	M 2A	0.4495	0.3297	0.3168	0.3439	0.3840	M 2A
	TURN(PR)	37.055	30.270	64.855	57.085	68.074	TURN(PR)

P 2	19.201	18.169	18.413	18.963	19.658	P 2
P 2A	18.715	17.730	17.649	17.860	18.204	P 2A
T 2	568.156	566.065	579.126	589.459	612.415	T 2
T 2A	563.023	555.354	570.412	579.704	604.061	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (160°) - Station 2 (161°) - Station 2A (174°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-1.528	-3.395	2.121	18.313	72.000	BETA 1
STATION 2	BETA 2	49.140	51.709	55.220	53.109	66.895	BETA 2
	BETA(PR) 1	63.477	64.833	66.168	68.498	84.339	BETA(PR) 1
	BETA(PR) 2	24.661	40.296	47.819	51.271	62.754	BETA(PR) 2
	V 1	282.11	322.39	334.85	320.75	239.98	V 1
	V 2	598.53	533.73	540.79	564.27	571.83	V 2
	VZ 1	271.95	317.61	333.52	304.47	74.15	VZ 1
	VZ 2	386.59	329.19	308.21	338.73	224.34	VZ 2
	V-THETA 1	-7.25	-18.84	12.35	100.77	228.22	V-THETA 1
	V-THETA 2	431.46	416.96	443.79	451.29	525.83	V-THETA 2
	V(PR) 1	613.6	748.7	825.9	830.7	751.8	V(PR) 1
	V(PR) 2	437.8	434.7	459.6	541.4	490.2	V(PR) 2
	VTHETA PR1	-544.9	-676.0	-755.0	-772.9	-748.1	VTHETA PR1
	VTHETA PR2	-177.5	-279.1	-340.1	-422.4	-435.7	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2543	0.2912	0.3027	0.2897	0.2160	M 1
	M 2	0.5200	0.4693	0.4727	0.4894	0.4865	M 2
	M(PR) 1	0.5531	0.6763	0.7465	0.7503	0.6766	M(PR) 1
	M(PR) 2	0.3868	0.3822	0.4017	0.4696	0.4171	M(PR) 2
	TURN(PR)	38.721	24.585	18.355	17.225	21.620	TURN(PR)
	P 1	14.458	14.518	14.438	14.187	14.324	P 1
	P 2	18.672	18.184	18.264	18.699	19.006	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	562.006	561.894	569.149	579.690	602.096	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.140	51.709	55.220	53.109	66.895	BETA 2
STATION 2A	BETA 2A	5.939	2.306	0.872	0.772	1.736	BETA 2A
	V 2	588.53	533.73	540.79	564.27	571.83	V 2
	V 2A	479.19	387.89	358.97	378.23	419.49	V 2A
	VZ 2	386.59	329.19	308.21	338.73	224.34	VZ 2
	VZ 2A	474.57	386.94	358.77	378.19	419.20	VZ 2A
	V-THETA 2	431.46	416.96	443.79	451.29	525.83	V-THETA 2
	V-THETA 2A	49.37	15.58	5.46	5.10	12.71	V-THETA 2A
	M 2	0.5200	0.4693	0.4727	0.4894	0.4865	M 2
	M 2A	0.4193	0.3375	0.3101	0.3242	0.3535	M 2A
	TURN(PR)	41.235	49.070	54.277	52.337	65.126	TURN(PR)
	P 2	18.672	18.184	18.264	18.699	19.006	P 2
	P 2A	18.541	17.886	17.737	17.833	18.094	P 2A
	T 2	562.006	561.894	569.149	579.690	602.096	T 2
	T 2A	562.762	562.257	568.448	578.514	600.576	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (190°) - Station 2 (191°) - Station 2A (204°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	6.250	2.989	2.958	9.960	48.628	BETA 1
STATION 2	BETA 2	47.799	50.242	51.546	50.637	64.617	BETA 2
	BETA(PR) 1	62.646	64.743	66.992	70.363	85.106	BETA(PR) 1
	BETA(PR) 2	25.877	40.546	45.663	49.775	60.001	BETA(PR) 2
	V 1	274.49	306.99	320.35	297.87	115.31	V 1
	V 2	580.11	531.63	552.80	573.64	584.32	V 2
	VZ 1	263.23	302.56	318.87	293.34	76.20	VZ 1
	VZ 2	383.50	338.32	343.42	363.82	250.40	VZ 2
	V-THETA 1	28.83	15.80	16.48	51.51	86.51	V-THETA 1
	V-THETA 2	422.93	406.66	432.45	443.51	527.76	V-THETA 2
	V(PR) 1	577.4	710.8	816.2	872.9	893.1	V(PR) 1
	V(PR) 2	438.5	448.4	492.0	563.4	501.0	V(PR) 2
	VTHETA PR1	-508.8	-641.3	-750.9	-822.1	-889.8	VTHETA PR1
	VTHETA PR2	-186.0	-289.4	-351.5	-430.1	-433.7	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2474	0.2771	0.2893	0.2687	0.1032	M 1
	M 2	0.5131	0.4692	0.4859	0.5014	0.4986	M 2
	M(PR) 1	0.5204	0.6416	0.7372	0.7875	0.7991	M(PR) 1
	M(PR) 2	0.3878	0.3957	0.4325	0.4924	0.4275	M(PR) 2
	TURN(PR)	36.684	24.245	21.337	20.586	25.142	TURN(PR)
	P 1	14.419	14.497	14.469	14.361	13.754	P 1
	P 2	18.543	18.296	18.504	18.856	18.907	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	560.086	557.885	564.188	572.119	600.047	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	47.799	50.242	51.546	50.637	64.617	BETA 2
STATION 2A	BETA 2A	7.085	3.546	1.704	2.917	4.753	BETA 2A
	V 2	580.11	531.63	552.80	573.64	584.32	V 2
	V 2A	454.49	395.65	387.99	418.07	456.20	V 2A
	VZ 2	383.50	338.32	343.42	363.82	250.40	VZ 2
	VZ 2A	449.09	394.25	387.65	417.52	454.52	VZ 2A
	V-THETA 2	422.93	406.66	432.45	443.51	527.76	V-THETA 2
	V-THETA 2A	55.82	24.43	11.53	21.28	37.79	V-THETA 2A
	M 2	0.5131	0.4692	0.4859	0.5014	0.4986	M 2
	M 2A	0.3983	0.3461	0.3371	0.3619	0.3862	M 2A
	TURN(PR)	39.752	46.361	49.768	47.720	59.829	TURN(PR)
	P 2	18.543	18.296	18.504	18.856	18.907	P 2
	P 2A	18.364	17.972	18.011	18.241	18.477	P 2A
	T 2	560.086	557.885	564.188	572.119	600.047	T 2
	T 2A	559.010	556.966	563.992	570.064	598.180	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (220°) - Station 2 (221°) - Station 2A (234°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	8.081	3.609	2.940	4.113	10.594	BETA 1
STATION 2	BETA 2	48.693	48.793	48.802	53.035	58.939	BETA 2
	BETA(PR) 1	62.039	63.423	66.233	68.711	74.598	BETA(PR) 1
	BETA(PR) 2	26.758	41.597	48.052	54.244	56.886	BETA(PR) 2
	V 1	277.79	323.55	331.99	332.05	260.38	V 1
	V 2	570.50	523.32	528.40	534.63	583.80	V 2
	VZ 1	265.40	318.68	330.46	331.15	255.80	VZ 1
	VZ 2	370.81	342.94	347.64	321.49	301.08	VZ 2
	V-THETA 1	37.68	20.10	16.97	23.81	47.84	V-THETA 1
	V-THETA 2	421.98	391.64	397.13	427.17	499.88	V-THETA 2
	V(PR) 1	570.7	714.2	820.4	912.1	963.1	V(PR) 1
	V(PR) 2	427.0	461.7	520.7	550.2	551.4	V(PR) 2
	VTHETA PR1	-500.0	-637.0	-750.4	-849.8	-928.5	VTHETA PR1
	VTHETA PR2	-187.0	-304.4	-386.8	-446.5	-461.6	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2504	0.2923	0.3000	0.3001	0.2345	M 1
	M 2	0.5045	0.4612	0.4636	0.4658	0.4997	M 2
	M(PR) 1	0.5144	0.6452	0.7415	0.8243	0.8675	M(PR) 1
	M(PR) 2	0.3776	0.4069	0.4568	0.4794	0.4719	M(PR) 2
	TURN(PR)	35.201	21.864	18.187	14.464	17.745	TURN(PR)
	P 1	14.338	14.556	14.567	14.562	14.402	P 1
	P 2	18.425	18.267	18.343	18.535	18.981	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.305	558.755	564.008	571.977	596.526	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.693	48.793	48.802	53.035	58.939	BETA 2
STATION 2A	BETA 2A	4.871	3.670	2.192	2.078	2.805	BETA 2A
	V 2	570.50	523.32	528.40	534.63	583.80	V 2
	V 2A	435.52	379.64	411.36	427.56	484.87	V 2A
	VZ 2	370.81	342.94	347.64	321.49	301.08	VZ 2
	VZ 2A	432.08	378.24	410.88	427.27	484.18	VZ 2A
	V-THETA 2	421.98	391.64	397.13	427.17	499.88	V-THETA 2
	V-THETA 2A	36.82	24.26	15.73	15.50	23.72	V-THETA 2A
	M 2	0.5045	0.4612	0.4636	0.4658	0.4997	M 2
	M 2A	0.3808	0.3313	0.3585	0.3708	0.4137	M 2A
	TURN(PR)	42.854	44.786	46.535	50.957	56.094	TURN(PR)
	P 2	18.425	18.267	18.343	18.535	18.981	P 2
	P 2A	18.210	17.937	18.149	18.281	18.702	P 2A
	T 2	559.305	558.755	564.008	571.977	596.526	T 2
	T 2A	560.150	558.343	561.909	568.506	591.357	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (250°) - Station 2 (251°) - Station 2A (264°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	11.407	7.005	6.246	6.500	8.500	BETA 1
STATION 2	BETA 2	48.070	48.258	47.579	45.834	45.949	BETA 2
	BETA(PR) 1	61.406	62.465	65.601	68.855	77.164	BETA(PR) 1
	BETA(PR) 2	28.003	40.267	46.201	50.026	53.641	BETA(PR) 2
	V 1	278.93	328.64	334.70	325.77	217.66	V 1
	V 2	562.77	534.19	544.42	564.22	578.54	V 2
	VZ 1	264.02	321.96	331.62	323.64	215.14	VZ 1
	VZ 2	370.16	353.74	366.81	393.11	401.95	VZ 2
	V-THETA 1	53.27	39.56	36.30	36.87	32.15	V-THETA 1
	V-THETA 2	412.11	396.44	401.41	404.72	415.49	V-THETA 2
	V(PR) 1	556.4	698.4	803.2	897.2	968.4	V(PR) 1
	V(PR) 2	430.8	466.9	530.6	611.9	678.4	V(PR) 2
	VTHETA PR1	-484.4	-617.6	-731.1	-836.8	-944.2	VTHETA PR1
	VTHETA PR2	-196.8	-299.6	-382.5	-468.9	-546.0	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2514	0.2970	0.3025	0.2943	0.1957	M 1
	M 2	0.4971	0.4710	0.4786	0.4938	0.4966	M 2
	M(PR) 1	0.5015	0.6311	0.7261	0.8106	0.8708	M(PR) 1
	M(PR) 2	0.3806	0.4116	0.4665	0.5356	0.5822	M(PR) 2
	TURN(PR)	33.337	22.227	19.405	18.827	23.560	TURN(PR)

	P 1	14.365	14.522	14.516	14.379	14.190	P 1
	P 2	18.359	18.369	18.550	18.955	19.207	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.814	559.177	563.139	569.797	592.832	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.070	48.258	47.579	45.834	45.949	BETA 2
STATION 2A	BETA 2A	5.889	4.349	3.205	4.249	5.995	BETA 2A
	V 2	562.77	534.19	544.42	564.22	578.54	V 2
	V 2A	438.22	403.03	429.84	457.40	523.65	V 2A
	VZ 2	370.16	353.74	366.81	393.11	401.95	VZ 2
	VZ 2A	434.03	401.22	423.99	456.14	520.67	VZ 2A
	V-THETA 2	412.11	396.44	401.41	404.72	415.49	V-THETA 2
	V-THETA 2A	44.77	30.51	24.02	33.89	54.68	V-THETA 2A
	M 2	0.4971	0.4710	0.4786	0.4938	0.4966	M 2
	M 2A	0.3838	0.3521	0.3741	0.3959	0.4458	M 2A
	TURN(PR)	41.215	43.572	44.299	41.585	39.909	TURN(PR)

	P 2	18.359	18.369	18.550	18.955	19.207	P 2
	P 2A	18.153	17.999	18.195	18.424	18.961	P 2A
	T 2	559.814	559.177	563.139	569.797	592.832	T 2
	T 2A	558.588	558.676	564.737	572.827	597.065	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (280°) - Station 2 (281°) - Station 2A (294°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	4.000	3.314	5.850	19.000	29.000	BETA 1
STATION 2	BETA 2	51.545	51.524	49.015	45.898	48.385	BETA 2
	BETA(PR) 1	58.447	62.386	64.904	66.663	72.887	BETA(PR) 1
	BETA(PR) 2	25.671	39.488	45.978	50.477	55.512	BETA(PR) 2
	V 1	329.02	338.63	345.89	347.12	293.73	V 1
	V 2	570.58	539.83	547.48	559.44	561.24	V 2
	VZ 1	316.56	333.64	342.96	328.17	256.79	VZ 1
	VZ 2	350.00	334.30	358.66	389.34	372.47	VZ 2
	V-THETA 1	22.14	19.32	35.14	113.00	142.34	V-THETA 1
	V-THETA 2	440.73	420.63	412.81	401.74	419.30	V-THETA 2
	V(PR) 1	611.2	721.9	809.1	828.4	872.7	V(PR) 1
	V(PR) 2	399.5	436.3	516.8	611.8	658.1	V(PR) 2
	VTHETA PR1	-515.5	-637.8	-732.3	-760.6	-834.0	VTHETA PR1
	VTHETA PR2	-168.2	-275.5	-371.1	-471.9	-542.2	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2973	0.3062	0.3128	0.3140	0.2650	M 1
	M 2	0.5057	0.4778	0.4830	0.4914	0.4855	M 2
	M(PR) 1	0.5523	0.6526	0.7318	0.7494	0.7872	M(PR) 1
	M(PR) 2	0.3541	0.3862	0.4559	0.5374	0.5693	M(PR) 2
	TURN(PR)	32.609	22.925	18.929	16.184	17.408	TURN(PR)
	P 1	14.607	14.570	14.513	14.442	14.341	P 1
	P 2	18.409	18.384	18.565	18.933	19.235	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.932	555.427	559.624	565.483	582.414	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	51.545	51.524	49.015	45.898	48.385	BETA 2
STATION 2A	BETA 2A	4.833	4.083	2.898	3.350	5.877	BETA 2A
	V 2	570.58	539.83	547.48	559.44	561.24	V 2
	V 2A	429.16	381.62	404.40	406.85	485.28	V 2A
	VZ 2	350.00	334.30	358.66	389.34	372.47	VZ 2
	VZ 2A	425.79	380.04	403.71	406.15	482.62	VZ 2A
	V-THETA 2	440.73	420.63	412.81	401.74	419.30	V-THETA 2
	V-THETA 2A	36.00	27.13	20.44	23.77	49.68	V-THETA 2A
	M 2	0.5057	0.4778	0.4830	0.4914	0.4855	M 2
	M 2A	0.3757	0.3335	0.3525	0.3526	0.4162	M 2A
	TURN(PR)	45.759	47.110	46.042	42.548	42.464	TURN(PR)
	P 2	18.409	18.384	18.565	18.933	19.235	P 2
	P 2A	18.160	17.918	18.100	18.149	18.764	P 2A
	T 2	556.932	555.427	559.624	565.483	582.414	T 2
	T 2A	558.370	557.059	561.420	567.877	585.279	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (310°) - Station 2 (311°) - Station 2A (324°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	12.183	6.709	5.856	5.853	6.431	BETA 1
STATION 2	BETA 2	47.082	48.054	49.296	46.261	49.791	BETA 2
	BETA(PR) 1	59.201	61.419	64.100	65.685	69.269	BETA(PR) 1
	BETA(PR) 2	29.598	41.354	47.443	50.710	55.575	BETA(PR) 2
	V 1	300.77	343.20	357.98	379.30	356.87	V 1
	V 2	553.14	525.38	534.48	557.36	564.08	V 2
	VZ 1	283.95	336.43	354.94	377.27	354.41	VZ 1
	VZ 2	370.53	349.28	348.17	385.34	363.91	VZ 2
	V-THETA 1	61.30	39.57	36.40	38.67	39.95	V-THETA 1
	V-THETA 2	398.49	388.65	404.72	402.69	430.49	V-THETA 2
	V(PR) 1	560.0	705.4	813.1	916.3	1001.3	V(PR) 1
	V(PR) 2	437.6	468.5	515.4	608.5	644.1	V(PR) 2
	VTHETA PR1	-476.3	-617.5	-731.0	-835.0	-936.4	VTHETA PR1
	VTHETA PR2	-210.5	-307.4	-379.2	-471.0	-531.0	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2714	0.3104	0.3240	0.3437	0.3230	M 1
	M 2	0.4890	0.4635	0.4701	0.4888	0.4871	M 2
	M(PR) 1	0.5053	0.6379	0.7360	0.8304	0.9062	M(PR) 1
	M(PR) 2	0.3868	0.4134	0.4533	0.5337	0.5562	M(PR) 2
	TURN(PR)	29.527	20.088	16.659	14.973	13.725	TURN(PR)
	P 1	14.391	14.519	14.513	14.510	14.486	P 1
	P 2	13.251	18.228	18.453	18.893	19.245	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	557.985	557.629	561.810	566.918	584.515	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	47.082	48.054	49.296	46.261	49.791	BETA 2
STATION 2A	BETA 2A	5.729	4.679	3.161	4.725	6.805	BETA 2A
	V 2	553.14	525.38	534.48	557.36	564.08	V 2
	V 2A	392.87	350.72	362.32	414.50	450.34	V 2A
	VZ 2	370.53	349.28	348.17	385.34	363.91	VZ 2
	VZ 2A	389.23	348.99	361.61	413.09	447.07	VZ 2A
	V-THETA 2	398.49	388.65	404.72	402.69	430.49	V-THETA 2
	V-THETA 2A	39.05	28.56	19.97	34.14	53.35	V-THETA 2A
	M 2	0.4890	0.4635	0.4701	0.4888	0.4871	M 2
	M 2A	0.3436	0.3061	0.3152	0.3603	0.3873	M 2A
	TURN(PR)	40.384	43.038	46.060	41.536	42.942	TURN(PR)
	P 2	18.251	18.228	18.453	18.893	19.245	P 2
	P 2A	17.980	17.850	17.947	18.345	18.621	P 2A
	T 2	557.985	557.629	561.810	566.918	584.515	T 2
	T 2A	557.070	556.632	560.999	565.171	579.626	T 2A

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Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (340°) - Station 2 (341°) - Station 2A (354°)

PERCENT EQUIVALENT DESIGN SPEED = 89.45 EQUIVALENT ROTOR SPEED = 5411.49 CORRECTED WEIGHT FLOW = 158.67

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	19.384	9.899	6.607	5.339	22.584	BETA 1
STATION 2	BETA 2	57.069	57.170	52.763	48.818	44.122	BETA 2
	BETA(PR) 1	58.670	53.669	63.665	65.163	70.250	BETA(PR) 1
	BETA(PR) 2	37.298	46.270	50.226	53.303	54.827	BETA(PR) 2
	V 1	295.18	307.81	362.84	389.34	330.50	V 1
	V 2	490.97	496.50	515.19	533.99	561.15	V 2
	VZ 1	269.55	299.36	359.25	387.60	305.00	VZ 1
	VZ 2	264.11	268.21	311.45	351.60	402.49	VZ 2
	V-THETA 1	94.84	52.24	41.61	36.22	126.86	V-THETA 1
	V-THETA 2	407.77	415.71	409.76	401.89	390.34	V-THETA 2
	V(PR) 1	523.7	676.7	810.4	922.8	902.7	V(PR) 1
	V(PR) 2	339.5	390.3	487.4	588.4	699.1	V(PR) 2
	VTHETA PR1	-442.8	-604.9	-725.8	-837.4	-849.5	VTHETA PR1
	VTHETA PR2	-201.2	-280.4	-374.2	-471.8	-571.1	VTHETA PR2
	U 1	537.65	657.12	767.39	873.65	976.36	U 1
	U 2	608.96	696.08	783.92	873.65	961.48	U 2
	M 1	0.2663	0.2778	0.3285	0.3531	0.2987	M 1
	M 2	0.4330	0.4383	0.4534	0.4682	0.4853	M 2
	M(PR) 1	0.4724	0.6108	0.7337	0.8368	0.8157	M(PR) 1
	M(PR) 2	0.2994	0.3445	0.4289	0.5159	0.6046	M(PR) 2
	TURN(PR)	21.395	17.442	13.439	11.858	15.455	TURN(PR)

	P 1	14.203	14.116	14.345	14.398	14.179	P 1
	P 2	17.891	18.085	18.393	18.745	19.303	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	555.106	554.477	559.510	565.067	582.674	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	57.069	57.170	52.763	48.818	44.122	BETA 2
STATION 2A	BETA 2A	-11.033	-2.978	-0.164	2.121	5.169	BETA 2A
	V 2	490.97	496.50	515.19	533.99	561.15	V 2
	V 2A	285.51	320.19	382.35	455.61	530.01	V 2A
	VZ 2	264.11	268.21	311.45	351.60	402.49	VZ 2
	VZ 2A	279.06	319.24	382.19	455.29	527.73	VZ 2A
	V-THETA 2	407.77	415.71	409.76	401.89	390.34	V-THETA 2
	V-THETA 2A	-54.41	-16.61	-1.09	16.86	47.74	V-THETA 2A
	M 2	0.4330	0.4383	0.4534	0.4682	0.4853	M 2
	M 2A	0.2492	0.2799	0.3336	0.3967	0.4581	M 2A
	TURN(PR)	67.140	59.827	52.853	46.697	38.908	TURN(PR)

	P 2	17.891	18.085	18.393	18.745	19.303	P 2
	P 2A	17.265	17.575	18.029	18.613	19.403	P 2A
	T 2	555.106	554.477	559.510	565.067	582.674	T 2
	T 2A	553.124	553.024	558.865	566.298	580.598	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (10°) - Station 2 (11°) - Station 2A (24°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-10.103	-7.920	-6.112	-2.773	-0.225	BETA 1
STATION 2	BETA 2	67.852	58.992	55.214	45.798	39.879	BETA 2
	BETA(PR) 1	70.317	70.516	68.697	70.147	70.771	BETA(PR) 1
	BETA(PR) 2	30.948	40.763	42.996	47.661	49.659	BETA(PR) 2
	V 1	239.40	277.02	348.99	356.08	377.95	V 1
	V 2	588.34	594.44	642.19	652.92	690.05	V 2
	VZ 1	227.52	270.84	345.87	355.62	377.72	VZ 1
	VZ 2	220.68	305.24	366.06	455.21	529.04	VZ 2
	V-THETA 1	-40.54	-37.68	-37.04	-17.22	-1.48	V-THETA 1
	V-THETA 2	542.16	507.85	526.96	468.07	442.02	V-THETA 2
	V(PR) 1	678.4	813.2	952.5	1047.1	1147.0	V(PR) 1
	V(PR) 2	264.0	405.8	501.2	675.9	817.8	V(PR) 2
	VTHETA PR1	-636.0	-765.5	-887.0	-984.9	-1082.9	VTHETA PR1
	VTHETA PR2	-132.3	-263.1	-341.3	-499.6	-622.9	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2154	0.2497	0.3157	0.3223	0.3425	M 1
	M 2	0.5177	0.5246	0.5634	0.5671	0.5925	M 2
	M(PR) 1	0.6105	0.7330	0.8616	0.9477	1.0394	M(PR) 1
	M(PR) 2	0.2324	0.3581	0.4397	0.5871	0.7022	M(PR) 2
	TURN(PR)	39.571	29.855	25.713	22.484	21.147	TURN(PR)
	P 1	13.262	13.265	13.333	13.368	13.636	P 1
	P 2	19.275	19.669	20.035	20.481	21.348	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.213	563.846	575.032	587.112	604.128	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	67.852	58.992	55.214	45.798	39.879	BETA 2
STATION 2A	BETA 2A	-53.862	15.247	-6.345	2.469	7.929	BETA 2A
	V 2	588.34	594.44	642.19	652.92	690.05	V 2
	V 2A	184.53	353.30	479.79	544.14	648.17	V 2A
	VZ 2	220.68	305.24	366.06	455.21	529.04	VZ 2
	VZ 2A	108.66	340.34	476.64	543.63	641.83	VZ 2A
	V-THETA 2	542.16	507.85	526.96	468.07	442.02	V-THETA 2
	V-THETA 2A	-148.80	92.77	-53.00	23.44	89.39	V-THETA 2A
	M 2	0.5177	0.5246	0.5634	0.5671	0.5925	M 2
	M 2A	0.1578	0.3059	0.4139	0.4673	0.5548	M 2A
	TURN(PR)	120.891	43.462	61.484	43.329	31.907	TURN(PR)
	P 2	19.275	19.669	20.035	20.481	21.348	P 2
	P 2A	17.046	17.836	18.881	19.606	20.865	P 2A
	T 2	566.213	563.846	575.032	587.112	604.128	T 2
	T 2A	571.624	565.396	578.406	589.054	602.990	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (40°) - Station 2 (41°) - Station 2A (54°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-31.818	-25.269	-18.712	-18.151	-0.122	BETA 1
STATION 2	BETA 2	67.277	63.185	82.000	60.112	39.867	BETA 2
	BETA(PR) 1	72.609	74.111	73.604	77.835	78.617	BETA(PR) 1
	BETA(PR) 2	32.788	42.816	77.093	55.454	50.770	BETA(PR) 2
	V 1	279.76	267.55	294.16	236.23	217.94	V 1
	V 2	578.97	589.81	543.52	608.29	674.19	V 2
	VZ 1	231.50	239.34	277.78	224.45	217.81	VZ 1
	VZ 2	222.45	265.41	75.64	303.11	516.97	VZ 2
	V-THETA 1	-143.64	-112.98	-94.09	-73.58	-0.46	V-THETA 1
	V-THETA 2	531.19	525.08	538.20	527.39	431.75	V-THETA 2
	V(PR) 1	777.1	875.1	984.3	1065.2	1103.6	V(PR) 1
	V(PR) 2	271.3	364.2	338.7	534.5	818.0	V(PR) 2
	VTHETA PR1	-739.1	-840.8	-944.1	-1041.2	-1081.9	VTHETA PR1
	VTHETA PR2	-143.3	-245.9	-330.1	-440.3	-633.2	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2522	0.2410	0.2653	0.2126	0.1960	M 1
	M 2	0.5042	0.5138	0.4687	0.5236	0.5722	M 2
	M(PR) 1	0.7005	0.7884	0.8879	0.9584	0.9923	M(PR) 1
	M(PR) 2	0.2362	0.3172	0.2921	0.4601	0.6942	M(PR) 2
	TURN(PR)	40.118	31.439	-3.507	22.381	27.886	TURN(PR)

P 1	13.473	13.424	13.295	13.196	13.170	P 1
P 2	18.928	19.159	18.594	19.546	20.632	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	576.698	577.447	584.222	592.500	615.680	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	67.277	63.185	82.000	60.112	39.867	BETA 2
STATION 2A	BETA 2A	-55.947	-57.467	-50.079	-6.000	10.000	BETA 2A
	V 2	578.97	589.81	543.52	608.29	674.19	V 2
	V 2A	367.57	342.73	386.50	479.98	584.81	V 2A
	VZ 2	222.45	265.41	75.64	303.11	516.97	VZ 2
	VZ 2A	205.54	184.23	247.99	477.35	575.80	VZ 2A
	V-THETA 2	531.19	525.08	538.20	527.39	431.75	V-THETA 2
	V-THETA 2A	-304.12	-288.81	-296.37	-50.17	101.53	V-THETA 2A
	M 2	0.5042	0.5138	0.4687	0.5236	0.5722	M 2
	M 2A	0.3156	0.2933	0.3291	0.4073	0.4901	M 2A
	TURN(PR)	122.390	120.330	132.046	66.112	29.824	TURN(PR)

P 2	18.928	19.159	18.594	19.546	20.632	P 2
P 2A	17.805	17.636	17.994	18.692	19.668	P 2A
T 2	576.698	577.447	584.222	592.500	615.680	T 2
T 2A	575.667	578.156	586.581	597.124	620.986	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (70°) - Station 2 (71°) - Station 2A (84°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-29.116	-28.318	-23.304	-23.675	10.729	BETA 1
STATION 2	BETA 2	48.130	54.157	83.444	65.625	58.082	BETA 2
	BETA(PR) 1	70.683	72.236	79.306	84.554	78.759	BETA(PR) 1
	BETA(PR) 2	31.122	34.578	79.475	63.474	51.951	BETA(PR) 2
	V 1	305.32	323.45	190.77	105.13	210.94	V 1
	V 2	597.06	637.61	540.00	556.87	698.94	V 2
	VZ 1	259.38	281.83	174.72	96.27	207.14	VZ 1
	VZ 2	392.26	371.81	61.65	229.82	369.37	VZ 2
	V-THETA 1	-144.46	-151.86	-75.26	-42.21	39.25	V-THETA 1
	V-THETA 2	437.64	514.71	536.45	507.23	593.00	V-THETA 2
	V(PR) 1	787.3	924.9	941.7	1014.4	1062.6	V(PR) 1
	V(PR) 2	470.1	455.3	337.5	514.6	599.7	V(PR) 2
	VTHETA PR1	-740.0	-879.7	-925.2	-1009.9	-1042.2	VTHETA PR1
	VTHETA PR2	-236.8	-256.3	-331.8	-460.4	-471.9	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2756	0.2922	0.1714	0.0943	0.1883	M 1
	M 2	0.5177	0.5557	0.4612	0.4711	0.5870	M 2
	M(PR) 1	0.7106	0.8355	0.8460	0.9095	0.9484	M(PR) 1
	M(PR) 2	0.4077	0.3968	0.2883	0.4353	0.5036	M(PR) 2
	TURN(PR)	39.775	37.759	-0.176	21.080	26.845	TURN(PR)
	P 1	13.759	13.956	13.551	13.401	12.928	P 1
	P 2	19.048	19.279	18.315	18.614	20.535	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	583.135	581.721	594.828	607.308	630.754	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.130	54.157	83.444	65.625	58.082	BETA 2
STATION 2A	BETA 2A	5.227	4.371	-20.173	-39.701	1.461	BETA 2A
	V 2	597.06	637.61	540.00	556.87	698.94	V 2
	V 2A	527.71	401.52	322.23	422.67	524.72	V 2A
	VZ 2	392.26	371.81	61.65	229.82	369.37	VZ 2
	VZ 2A	523.25	399.70	302.35	325.19	524.43	VZ 2A
	V-THETA 2	437.64	514.71	536.45	507.23	593.00	V-THETA 2
	V-THETA 2A	47.87	30.55	-111.08	-269.99	13.38	V-THETA 2A
	M 2	0.5177	0.5557	0.4612	0.4711	0.5870	M 2
	M 2A	0.4521	0.3423	0.2689	0.3507	0.4300	M 2A
	TURN(PR)	41.934	49.464	103.591	105.325	56.580	TURN(PR)
	P 2	19.048	19.279	18.315	18.614	20.535	P 2
	P 2A	18.904	17.983	17.603	18.039	18.768	P 2A
	T 2	583.135	581.721	594.828	607.308	630.754	T 2
	T 2A	590.329	586.225	606.078	619.316	642.646	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (100°) - Station 2 (101°) - Station 2A (114°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-22.646	-14.179	-9.890	-4.989	21.104	BETA 1
STATION 2	BETA 2	44.025	52.103	65.736	62.228	61.527	BETA 2
	BETA(PR) 1	67.415	68.327	74.716	76.782	72.706	BETA(PR) 1
	BETA(PR) 2	23.962	37.500	55.064	55.020	51.814	BETA(PR) 2
	V 1	335.02	335.78	248.37	232.96	322.36	V 1
	V 2	677.07	614.49	579.13	623.99	717.31	V 2
	VZ 1	299.71	321.53	243.89	232.05	-300.58	VZ 1
	VZ 2	478.03	375.72	237.88	290.75	341.85	VZ 2
	V-THETA 1	-125.04	-81.23	-42.52	-20.26	116.01	V-THETA 1
	V-THETA 2	462.03	482.69	527.74	552.11	630.32	V-THETA 2
	V(PR) 1	784.7	872.2	925.4	1014.8	1011.2	V(PR) 1
	V(PR) 2	538.6	477.2	415.8	507.2	553.3	V(PR) 2
	VTHETA PR1	-720.5	-809.1	-892.5	-987.9	-965.4	VTHETA PR1
	VTHETA PR2	-212.5	-288.3	-340.5	-415.5	-434.6	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.3028	0.3035	0.2236	0.2096	0.2864	M 1
	M 2	0.5881	0.5288	0.4883	0.5207	0.5949	M 2
	M(PR) 1	0.7093	0.7884	0.8331	0.9130	0.8983	M(PR) 1
	M(PR) 2	0.4678	0.4107	0.3506	0.4232	0.4589	M(PR) 2
	TURN(PR)	43.435	30.899	19.676	21.760	20.927	TURN(PR)
	P 1	14.311	14.247	14.231	14.129	13.005	P 1
	P 2	20.152	18.865	18.451	19.070	20.505	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	589.800	593.361	613.329	630.096	647.889	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.025	52.103	65.736	62.228	61.527	BETA 2
STATION 2A	BETA 2A	5.170	-0.547	-10.279	-4.300	1.929	BETA 2A
	V 2	677.07	614.49	579.13	623.99	717.31	V 2
	V 2A	599.84	401.20	376.33	431.28	523.62	V 2A
	VZ 2	478.03	375.72	237.88	290.75	341.85	VZ 2
	VZ 2A	594.83	400.52	370.14	430.06	523.21	VZ 2A
	V-THETA 2	462.03	482.69	527.74	552.11	630.32	V-THETA 2
	V-THETA 2A	53.82	-3.82	-67.12	-32.34	17.62	V-THETA 2A
	M 2	0.5881	0.5288	0.4883	0.5207	0.5949	M 2
	M 2A	0.5186	0.3417	0.3157	0.3575	0.4275	M 2A
	TURN(PR)	37.883	52.313	75.953	66.528	59.560	TURN(PR)
	P 2	20.152	18.865	18.451	19.070	20.505	P 2
	P 2A	19.642	17.975	17.908	18.139	18.717	P 2A
	T 2	589.800	593.361	613.329	630.096	647.889	T 2
	T 2A	586.725	587.191	603.375	621.032	647.206	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (130°) - Station 2 (131°) - Station 2A (144°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-4.708	-2.238	0.482	3.400	23.779	BETA 1
STATION 2	BETA 2	45.356	51.448	68.245	57.357	69.397	BETA 2
	BETA(PR) 1	62.982	64.161	65.027	69.283	88.426	BETA(PR) 1
	BETA(PR) 2	19.784	37.802	53.081	51.493	61.723	BETA(PR) 2
	V 1	329.74	364.30	395.63	358.61	32.10	V 1
	V 2	711.80	612.12	610.79	636.61	669.83	V 2
	VZ 1	316.97	359.25	394.31	357.94	- 29.36	VZ 1
	VZ 2	491.53	379.69	226.30	343.39	235.66	VZ 2
	V-THETA 1	-26.10	-14.04	3.32	21.27	12.94	V-THETA 1
	V-THETA 2	497.67	476.44	567.08	536.05	626.86	V-THETA 2
	V(PR) 1	703.2	826.4	934.5	1011.8	1068.9	V(PR) 1
	V(PR) 2	538.7	484.2	377.1	551.5	497.6	V(PR) 2
	VTHETA PR1	-621.6	-741.9	-846.6	-946.4	-1068.5	VTHETA PR1
	VTHETA PR2	-176.8	-294.5	-301.2	-431.6	-438.1	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2980	0.3299	0.3589	0.3246	0.0288	M 1
	M 2	0.6262	0.5330	0.5252	0.5425	0.5621	M 2
	M(PR) 1	0.6354	0.7482	0.8478	0.9158	0.9574	M(PR) 1
	M(PR) 2	0.4739	0.4216	0.3243	0.4700	0.4176	M(PR) 2
	TURN(PR)	42.972	26.395	11.947	17.787	26.741	TURN(PR)
	P 1	14.260	14.426	14.415	14.392	13.809	P 1
	P 2	20.379	18.921	18.886	19.401	20.227	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	579.989	580.196	593.927	606.778	628.394	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	45.356	51.448	68.245	57.357	69.397	BETA 2
STATION 2A	BETA 2A	7.784	2.222	1.605	1.079	2.917	BETA 2A
	V 2	711.80	612.12	610.79	636.61	669.83	V 2
	V 2A	585.56	416.51	413.70	450.10	510.73	V 2A
	VZ 2	491.53	379.69	226.30	343.39	235.66	VZ 2
	VZ 2A	577.69	415.51	413.36	450.02	509.95	VZ 2A
	V-THETA 2	497.67	476.44	567.08	536.05	626.86	V-THETA 2
	V-THETA 2A	78.97	16.12	11.58	8.48	25.98	V-THETA 2A
	M 2	0.6262	0.5330	0.5252	0.5425	0.5621	M 2
	M 2A	0.5110	0.3591	0.3535	0.3817	0.4301	M 2A
	TURN(PR)	36.610	48.892	66.588	56.278	66.450	TURN(PR)
	P 2	20.379	18.921	18.886	19.401	20.227	P 2
	P 2A	19.738	18.256	18.244	18.526	18.968	P 2A
	T 2	579.989	580.196	593.927	606.778	628.394	T 2
	T 2A	575.089	574.193	584.291	595.535	608.507	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (160°) - Station 2 (161°) - Station 2A (174°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-1.687	-0.341	6.609	12.838	32.529	BETA 1
STATION 2	BETA 2	48.333	50.508	55.174	52.975	60.806	BETA 2
	BETA(PR) 1	62.356	62.586	63.217	66.963	86.875	BETA(PR) 1
	BETA(PR) 2	24.059	37.757	45.928	50.060	58.835	BETA(PR) 2
	V 1	328.65	383.71	409.38	384.79	67.71	V 1
	V 2	656.36	611.12	615.99	637.65	634.33	V 2
	VZ 1	316.79	378.66	405.33	375.13	57.06	VZ 1
	VZ 2	429.57	386.75	351.48	383.97	309.29	VZ 2
	V-THETA 1	-9.33	-2.25	46.96	85.49	36.39	V-THETA 1
	V-THETA 2	482.70	469.29	505.22	509.08	553.54	V-THETA 2
	V(PR) 1	688.3	824.8	900.1	958.6	1046.6	V(PR) 1
	V(PR) 2	484.3	494.2	506.0	598.1	597.9	V(PR) 2
	VTHETA PR1	-604.8	-730.1	-803.0	-882.2	-1045.0	VTHETA PR1
	VTHETA PR2	-191.8	-301.7	-363.1	-458.6	-511.4	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2970	0.3478	0.3717	0.3488	0.0607	M 1
	M 2	0.5782	0.5361	0.5370	0.5519	0.5360	M 2
	M(PR) 1	0.6219	0.7477	0.8173	0.8691	0.9378	M(PR) 1
	M(PR) 2	0.4267	0.4335	0.4411	0.5176	0.5053	M(PR) 2
	TURN(PR)	38.165	24.654	17.289	16.900	28.078	TURN(PR)
	P 1	14.302	14.499	14.329	14.197	13.603	P 1
	P 2	19.556	19.088	19.267	19.637	20.014	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.179	571.961	579.264	589.448	616.321	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.333	50.508	55.174	52.975	60.806	BETA 2
STATION 2A	BETA 2A	6.279	3.076	1.028	0.848	3.990	BETA 2A
	V 2	656.36	611.12	615.99	637.65	634.33	V 2
	V 2A	532.02	435.16	418.32	446.61	501.18	V 2A
	VZ 2	429.57	386.75	351.48	383.97	309.29	VZ 2
	VZ 2A	526.56	433.83	418.07	446.56	499.85	VZ 2A
	V-THETA 2	482.70	469.29	505.22	509.08	553.54	V-THETA 2
	V-THETA 2A	57.94	23.31	7.50	6.61	34.87	V-THETA 2A
	M 2	0.5782	0.5361	0.5370	0.5519	0.5360	M 2
	M 2A	0.4633	0.3762	0.3591	0.3808	0.4193	M 2A
	TURN(PR)	41.090	47.097	54.074	52.127	56.778	TURN(PR)
	P 2	19.556	19.088	19.267	19.637	20.014	P 2
	P 2A	19.397	18.591	18.476	18.660	19.082	P 2A
	T 2	572.179	571.961	579.264	589.448	616.321	T 2
	T 2A	572.281	572.729	579.483	589.000	615.492	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (190°) - Station 2 (191°) - Station 2A (204°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	6.537	6.375	3.802	10.404	27.132	BETA 1
STATION 2	BETA 2	46.285	48.507	51.812	52.867	54.076	BETA 2
	BETA(PR) 1	60.947	61.914	64.694	68.512	83.134	BETA(PR) 1
	BETA(PR) 2	24.101	37.226	47.141	52.141	54.596	BETA(PR) 2
	V 1	324.49	373.68	391.80	361.24	137.89	V 1
	V 2	664.74	618.90	598.49	614.84	651.59	V 2
	VZ 1	311.02	366.55	389.64	355.25	122.65	VZ 1
	VZ 2	451.69	407.86	369.63	371.16	382.09	VZ 2
	V-THETA 1	35.64	40.95	25.89	65.23	62.85	V-THETA 1
	V-THETA 2	472.42	461.11	469.92	490.17	527.37	V-THETA 2
	V(PR) 1	646.1	780.9	912.1	969.8	1025.9	V(PR) 1
	V(PR) 2	509.4	516.2	544.1	604.8	659.9	V(PR) 2
	VTHETA PR1	-559.9	-686.9	-824.1	-902.4	-1018.6	VTHETA PR1
	VTHETA PR2	-202.1	-309.9	-398.3	-477.5	-537.6	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2931	0.3385	0.3554	0.3270	0.1237	M 1
	M 2	0.5878	0.5457	0.5236	0.5339	0.5556	M 2
	M(PR) 1	0.5837	0.7074	0.8273	0.8780	0.9204	M(PR) 1
	M(PR) 2	0.4505	0.4551	0.4760	0.5251	0.5627	M(PR) 2
	TURN(PR)	36.687	24.705	17.555	16.369	28.576	TURN(PR)
	P 1	14.283	14.399	14.379	14.231	13.630	P 1
	P 2	19.534	19.297	19.213	19.544	20.293	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	568.980	567.234	573.609	583.465	607.673	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	46.285	48.507	51.812	52.867	54.076	BETA 2
STATION 2A	BETA 2A	7.423	3.861	1.694	1.620	4.674	BETA 2A
	V 2	664.74	618.90	598.49	614.84	651.59	V 2
	V 2A	507.91	446.93	447.89	493.10	550.09	V 2A
	VZ 2	451.69	407.86	369.63	371.16	382.09	VZ 2
	VZ 2A	501.51	445.19	447.50	492.90	548.14	VZ 2A
	V-THETA 2	472.42	461.11	469.92	490.17	527.37	V-THETA 2
	V-THETA 2A	65.34	30.05	13.23	13.94	44.81	V-THETA 2A
	M 2	0.5878	0.5457	0.5236	0.5339	0.5556	M 2
	M 2A	0.4433	0.3890	0.3876	0.4245	0.4702	M 2A
	TURN(PR)	37.899	44.309	50.044	51.247	49.359	TURN(PR)
	P 2	19.534	19.297	19.213	19.544	20.293	P 2
	P 2A	19.165	18.727	18.813	19.173	19.694	P 2A
	T 2	568.980	567.234	573.609	583.465	607.673	T 2
	T 2A	567.822	565.895	572.346	581.707	594.726	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (220°) - Station 2 (221°) - Station 2A (234°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	9.256	3.611	5.939	7.031	8.326	BETA 1
STATION 2	BETA 2	48.017	48.071	48.174	50.059	54.200	BETA 2
	BETA(PR) 1	59.594	61.631	63.851	66.132	69.792	BETA(PR) 1
	BETA(PR) 2	26.681	39.121	47.594	52.232	53.789	BETA(PR) 2
	V 1	334.82	385.88	400.47	409.12	381.96	V 1
	V 2	634.79	602.11	589.23	606.56	661.82	V 2
	VZ 1	318.95	380.07	397.02	405.99	377.71	VZ 1
	VZ 2	417.94	400.16	392.47	389.41	386.93	VZ 2
	V-THETA 1	51.98	23.99	41.30	50.07	55.28	V-THETA 1
	V-THETA 2	464.45	445.53	438.55	465.05	536.49	V-THETA 2
	V(PR) 1	636.2	802.3	901.4	1003.4	1093.5	V(PR) 1
	V(PR) 2	481.0	519.6	582.7	635.8	655.3	V(PR) 2
	VTHETA PR1	-543.5	-703.8	-808.7	-917.6	-1026.1	VTHETA PR1
	VTHETA PR2	-210.0	-325.5	-429.7	-502.6	-528.5	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.3029	0.3499	0.3634	0.3715	0.3462	M 1
	M 2	0.5611	0.5316	0.5167	0.5289	0.5667	M 2
	M(PR) 1	0.5756	0.7274	0.8181	0.9111	0.9912	M(PR) 1
	M(PR) 2	0.4252	0.4587	0.5110	0.5544	0.5612	M(PR) 2
	TURN(PR)	32.786	22.530	16.258	13.898	16.035	TURN(PR)
	P 1	14.303	14.452	14.470	14.511	14.465	P 1
	P 2	19.166	19.146	19.189	19.604	20.572	P 2
	T 1	517.800	518.700	518.700	518.700	518.700	T 1
	T 2	566.232	564.188	570.132	577.987	604.007	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	48.017	48.071	48.174	50.059	54.200	BETA 2
STATION 2A	BETA 2A	5.029	3.515	2.120	1.689	5.274	BETA 2A
	V 2	634.79	602.11	589.23	606.56	661.82	V 2
	V 2A	492.19	449.57	472.01	500.66	572.05	V 2A
	VZ 2	417.94	400.16	392.47	389.41	386.93	VZ 2
	VZ 2A	488.18	447.99	471.48	500.44	569.50	VZ 2A
	V-THETA 2	464.45	445.53	438.55	465.05	536.49	V-THETA 2
	V-THETA 2A	42.96	27.52	17.45	14.76	52.57	V-THETA 2A
	M 2	0.5611	0.5316	0.5167	0.5289	0.5667	M 2
	M 2A	0.4296	0.3919	0.4103	0.4329	0.4872	M 2A
	TURN(PR)	42.018	44.217	45.979	48.370	48.884	TURN(PR)
	P 2	19.166	19.146	19.189	19.604	20.572	P 2
	P 2A	18.980	18.779	19.033	19.352	20.020	P 2A
	T 2	566.232	564.188	570.132	577.987	604.007	T 2
	T 2A	566.555	564.449	569.320	577.639	600.974	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (250°) - Station 2 (251°) - Station 2A (264°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	10.734	6.967	5.986	6.015	8.818	BETA 1
STATION 2	BETA 2	46.492	45.460	43.801	40.507	43.110	BETA 2
	BETA(PR) 1	58.342	60.432	63.369	65.225	70.216	BETA(PR) 1
	BETA(PR) 2	28.466	39.383	46.226	48.851	52.324	BETA(PR) 2
	V 1	346.57	394.13	408.48	428.30	373.06	V 1
	V 2	624.36	601.92	601.52	636.78	654.39	V 2
	VZ 1	328.75	386.15	404.92	425.89	368.44	VZ 1
	VZ 2	422.70	419.67	433.54	484.16	477.33	VZ 2
	V-THETA 1	62.32	47.19	42.46	44.88	57.16	V-THETA 1
	V-THETA 2	445.30	426.47	415.77	413.61	446.83	V-THETA 2
	V(PR) 1	632.9	785.1	903.9	1016.3	1088.6	V(PR) 1
	V(PR) 2	494.0	546.9	627.5	735.8	781.4	V(PR) 2
	VTHETA PR1	-533.2	-680.6	-807.5	-922.8	-1024.3	VTHETA PR1
	VTHETA PR2	-229.2	-344.5	-452.5	-554.0	-618.1	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.3135	0.3575	0.3709	0.3894	0.3380	M 1
	M 2	0.5510	0.5309	0.5274	0.5570	0.5636	M 2
	M(PR) 1	0.5724	0.7122	0.8208	0.9241	0.9862	M(PR) 1
	M(PR) 2	0.4360	0.4824	0.5502	0.6436	0.6730	M(PR) 2
	TURN(PR)	29.765	21.062	17.143	16.372	17.926	TURN(PR)

P 1	14.290	14.416	14.434	14.472	14.419	P 1
P 2	19.090	19.230	19.343	20.070	20.757	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	566.814	565.198	571.484	577.698	596.758	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	46.492	45.460	43.801	40.507	43.110	BETA 2
STATION 2A	BETA 2A	5.998	4.622	1.563	2.223	5.734	BETA 2A
	V 2	624.36	601.92	601.52	636.78	654.39	V 2
	V 2A	497.74	467.22	492.35	529.46	597.50	V 2A
	VZ 2	422.70	419.67	433.54	484.16	477.33	VZ 2
	VZ 2A	492.89	464.95	491.95	529.05	594.37	VZ 2A
	V-THETA 2	445.30	426.47	415.77	413.61	446.83	V-THETA 2
	V-THETA 2A	51.79	37.59	13.42	20.54	59.68	V-THETA 2A
	M 2	0.5510	0.5309	0.5274	0.5570	0.5636	M 2
	M 2A	0.4340	0.4076	0.4270	0.4584	0.5146	M 2A
	TURN(PR)	39.525	40.499	42.162	38.284	37.331	TURN(PR)

P 2	19.090	19.230	19.343	20.070	20.757	P 2
P 2A	18.917	18.794	19.134	19.544	20.398	P 2A
T 2	566.814	565.198	571.484	577.698	596.758	T 2
T 2A	567.901	564.939	573.584	578.427	590.763	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (280°) - Station 2 (281°) - Station 2A (294°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	8.057	3.532	2.799	4.995	14.626	BETA 1
STATION 2	BETA 2	49.609	47.646	44.271	43.200	40.780	BETA 2
	BETA(PR) 1	58.867	60.666	62.621	64.598	72.049	BETA(PR) 1
	BETA(PR) 2	27.443	38.700	46.505	49.903	53.488	BETA(PR) 2
	V 1	346.81	401.30	431.25	442.94	334.04	V 1
	V 2	623.41	606.26	598.50	624.16	635.98	V 2
	VZ 1	331.36	395.29	429.31	441.21	323.03	VZ 1
	VZ 2	398.00	406.20	427.97	454.99	481.14	VZ 2
	V-THETA 1	46.91	24.40	20.99	38.56	84.30	V-THETA 1
	V-THETA 2	467.80	445.56	417.21	427.27	415.01	V-THETA 2
	V(PR) 1	647.3	809.5	934.2	1028.6	1048.2	V(PR) 1
	V(PR) 2	461.0	524.3	622.6	706.4	809.1	V(PR) 2
	VTHETA PR1	-548.6	-703.4	-829.0	-929.1	-997.1	VTHETA PR1
	VTHETA PR2	-206.7	-325.4	-451.1	-540.4	-649.9	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.3137	0.3642	0.3922	0.4032	0.3019	M 1
	M 2	0.5509	0.5353	0.5264	0.5471	0.5478	M 2
	M(PR) 1	0.5855	0.7346	0.8496	0.9362	0.9474	M(PR) 1
	M(PR) 2	0.4074	0.4630	0.5476	0.6192	0.6970	M(PR) 2
	TURN(PR)	31.302	21.979	16.115	14.692	18.596	TURN(PR)
	P 1	14.240	14.435	14.481	14.491	14.132	P 1
	P 2	18.966	19.190	19.302	19.918	20.558	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.247	564.345	567.750	574.170	594.566	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	49.609	47.646	44.271	43.200	40.780	BETA 2
STATION 2A	BETA 2A	3.552	4.066	2.819	2.993	6.032	BETA 2A
	V 2	623.41	606.26	598.50	624.16	635.98	V 2
	V 2A	481.48	446.57	453.38	487.65	566.74	V 2A
	VZ 2	398.00	406.20	427.97	454.99	481.14	VZ 2
	VZ 2A	478.48	444.72	452.63	486.98	563.47	VZ 2A
	V-THETA 2	467.80	445.56	417.21	427.27	415.01	V-THETA 2
	V-THETA 2A	29.70	31.61	22.29	25.46	59.54	V-THETA 2A
	M 2	0.5509	0.5353	0.5264	0.5471	0.5478	M 2
	M 2A	0.4202	0.3889	0.3932	0.4212	0.4831	M 2A
	TURN(PR)	45.087	43.242	41.377	40.207	34.704	TURN(PR)
	P 2	18.966	19.190	19.302	19.918	20.558	P 2
	P 2A	18.825	18.645	18.967	19.114	20.031	P 2A
	T 2	565.247	564.345	567.750	574.170	594.566	T 2
	T 2A	565.774	565.282	570.308	577.612	599.525	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (310°) - Station 2 (311°) - Station 2A (324°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	11.732	7.035	5.778	5.829	8.505	BETA 1
STATION 2	BETA 2	46.039	45.423	46.123	42.382	44.228	BETA 2
	BETA(PR) 1	57.506	58.930	62.210	62.777	69.673	BETA(PR) 1
	BETA(PR) 2	26.820	40.319	45.353	50.139	54.271	BETA(PR) 2
	V 1	354.28	416.67	428.85	475.47	384.03	V 1
	V 2	640.74	593.00	611.15	620.80	629.30	V 2
	VZ 1	334.98	408.18	425.27	472.96	379.58	VZ 1
	VZ 2	437.26	413.73	423.05	458.56	450.57	VZ 2
	V-THETA 1	69.57	50.37	43.03	48.28	56.76	V-THETA 1
	V-THETA 2	453.41	419.88	439.97	418.46	438.59	V-THETA 2
	V(PR) 1	630.3	793.7	912.8	1033.9	1092.8	V(PR) 1
	V(PR) 2	503.8	546.5	602.8	715.5	772.0	V(PR) 2
	VTHETA PR1	-525.9	-677.5	-806.9	-919.4	-1024.7	VTHETA PR1
	VTHETA PR2	-221.1	-351.1	-428.3	-549.2	-626.4	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.3206	0.3785	0.3899	0.4338	0.3481	M 1
	M 2	0.5675	0.5227	0.5373	0.5432	0.5422	M 2
	M(PR) 1	0.5704	0.7211	0.8300	0.9434	0.9906	M(PR) 1
	M(PR) 2	0.4463	0.4817	0.5300	0.6261	0.6651	M(PR) 2
	TURN(PR)	30.529	18.616	16.855	12.636	15.435	TURN(PR)

P 1	14.228	14.411	14.306	14.606	14.165	P 1
P 2	19.126	19.064	19.373	19.836	20.527	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	564.645	564.934	569.478	575.621	593.662	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	46.039	45.423	46.123	42.382	44.228	BETA 2
STATION 2A	BETA 2A	7.101	5.201	3.671	4.176	6.055	BETA 2A
	V 2	640.74	593.00	611.15	620.80	629.30	V 2
	V 2A	444.55	420.38	417.50	485.30	533.93	V 2A
	VZ 2	437.26	413.73	423.05	458.56	450.57	VZ 2
	VZ 2A	439.25	417.97	416.46	484.01	530.83	VZ 2A
	V-THETA 2	453.41	419.88	439.97	418.46	438.59	V-THETA 2
	V-THETA 2A	54.72	38.05	26.72	35.34	56.31	V-THETA 2A
	M 2	0.5675	0.5227	0.5373	0.5432	0.5422	M 2
	M 2A	0.3878	0.3662	0.3626	0.4217	0.4611	M 2A
	TURN(PR)	37.973	39.884	42.377	38.206	38.128	TURN(PR)

P 2	19.126	19.064	19.373	19.836	20.527	P 2
P 2A	18.679	18.566	18.750	19.301	19.887	P 2A
T 2	564.645	564.934	569.478	575.621	593.662	T 2
T 2A	563.450	563.020	566.366	570.851	581.824	T 2A

OVERALL PERFORMANCE

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (340°) - Station 2 (341°) - Station 2A (354°)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 5993.77 CORRECTED WEIGHT FLOW = 188.71

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	19.499	8.995	5.007	4.427	5.028	BETA 1
STATION 2	BETA 2	56.376	54.398	48.731	46.585	44.763	BETA 2
	BETA(PR) 1	58.490	61.793	62.135	61.856	66.745	BETA(PR) 1
	BETA(PR) 2	34.048	47.450	42.195	48.608	51.660	BETA(PR) 2
	V 1	328.69	369.04	432.54	498.60	449.79	V 1
	V 2	565.00	534.91	644.10	642.45	665.32	V 2
	VZ 1	299.96	359.83	429.47	497.05	447.79	VZ 1
	VZ 2	309.47	310.12	424.35	441.54	472.01	VZ 2
	V-THETA 1	106.21	56.96	37.63	38.48	39.40	V-THETA 1
	V-THETA 2	465.36	433.14	483.56	466.67	468.12	V-THETA 2
	V(PR) 1	579.8	753.6	919.5	1053.8	1134.3	V(PR) 1
	V(PR) 2	382.6	461.2	573.6	667.8	761.4	V(PR) 2
	VTHETA PR1	-489.3	-670.9	-812.3	-929.2	-1042.0	VTHETA PR1
	VTHETA PR2	-209.1	-337.8	-384.7	-501.0	-596.8	VTHETA PR2
	U 1	595.50	727.83	849.96	967.65	1081.42	U 1
	U 2	674.48	770.98	868.27	967.65	1064.94	U 2
	M 1	0.2970	0.3342	0.3934	0.4558	0.4096	M 1
	M 2	0.4981	0.4710	0.5701	0.5652	0.5752	M 2
	M(PR) 1	0.5239	0.6916	0.8363	0.9633	1.0329	M(PR) 1
	M(PR) 2	0.3373	0.4060	0.5077	0.5874	0.6583	M(PR) 2
	TURN(PR)	24.423	14.370	19.938	13.245	15.117	TURN(PR)

P 1	13.827	13.772	13.963	14.375	14.190	P 1
P 2	18.543	18.836	20.042	20.385	21.139	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	562.080	560.654	565.728	572.182	593.606	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	56.376	54.398	48.731	46.585	44.763	BETA 2
STATION 2A	BETA 2A	-17.500	0.626	0.806	3.739	3.384	BETA 2A
	V 2	565.00	534.91	644.10	642.45	665.32	V 2
	V 2A	290.16	367.56	440.98	512.86	611.59	V 2A
	VZ 2	309.47	310.12	424.35	441.54	472.01	VZ 2
	VZ 2A	275.64	366.94	440.75	511.76	610.38	VZ 2A
	V-THETA 2	465.36	433.14	483.56	466.67	468.12	V-THETA 2
	V-THETA 2A	-86.91	4.01	6.20	33.44	36.09	V-THETA 2A
	M 2	0.4981	0.4710	0.5701	0.5652	0.5752	M 2
	M 2A	0.2512	0.3194	0.3826	0.4434	0.5240	M 2A
	TURN(PR)	72.881	53.445	47.849	42.846	41.334	TURN(PR)

P 2	18.543	18.836	20.042	20.385	21.139	P 2
P 2A	17.605	18.134	18.830	19.581	20.708	P 2A
T 2	562.080	560.654	565.728	572.182	593.606	T 2
T 2A	562.372	562.262	569.033	578.570	598.050	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (10°) - Station 2 (11°) - Station 2A (24°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-3.267	-3.632	-2.779	-0.574	0.588	BETA 1
STATION 2	BETA 2	66.703	54.876	49.934	42.972	39.347	BETA 2
	BETA(PR) 1	66.700	67.310	67.412	67.527	70.681	BETA(PR) 1
	BETA(PR) 2	40.603	43.150	45.160	49.720	52.603	BETA(PR) 2
	V 1	274.84	319.45	364.86	404.61	380.44	V 1
	V 2	542.87	574.03	619.33	630.36	651.96	V 2
	VZ 1	264.63	314.63	363.23	404.54	380.19	VZ 1
	VZ 2	213.51	328.94	398.20	461.22	503.69	VZ 2
	V-THETA 1	-15.11	-19.97	-17.63	-4.05	3.90	V-THETA 1
	V-THETA 2	495.83	467.62	473.45	429.68	412.96	V-THETA 2
	V(PR) 1	673.0	817.3	946.1	1058.4	1149.3	V(PR) 1
	V(PR) 2	287.0	453.8	565.5	713.4	829.8	V(PR) 2
	VTHETA PR1	-614.5	-752.5	-873.1	-978.0	-1084.5	VTHETA PR1
	VTHETA PR2	-183.0	-308.4	-400.4	-544.2	-658.9	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.2477	0.2885	0.3304	0.3673	0.3448	M 1
	M 2	0.4763	0.5055	0.5419	0.5470	0.5589	M 2
	M(PR) 1	0.6065	0.7381	0.8567	0.9607	1.0416	M(PR) 1
	M(PR) 2	0.2518	0.3997	0.4948	0.6191	0.7114	M(PR) 2
	TURN(PR)	26.312	24.234	22.260	17.805	18.112	TURN(PR)
	P 1	12.804	12.858	12.872	12.915	12.931	P 1
	P 2	18.147	18.762	19.301	19.686	20.557	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.274	564.004	575.495	585.683	601.661	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	66.703	54.876	49.934	42.972	39.347	BETA 2
STATION 2A	BETA 2A	49.797	84.601	-2.274	4.041	6.182	BETA 2A
	V 2	542.87	574.03	619.33	630.36	651.96	V 2
	V 2A	139.12	373.95	507.02	556.02	637.27	V 2A
	VZ 2	213.51	328.94	398.20	461.22	503.69	VZ 2
	VZ 2A	89.64	35.18	506.40	554.64	633.42	VZ 2A
	V-THETA 2	495.83	467.62	473.45	429.68	412.96	V-THETA 2
	V-THETA 2A	106.07	372.28	-20.11	39.18	68.61	V-THETA 2A
	M 2	0.4763	0.5055	0.5419	0.5470	0.5589	M 2
	M 2A	0.1189	0.3223	0.4376	0.4784	0.5476	M 2A
	TURN(PR)	16.297	-30.042	52.132	38.931	33.121	TURN(PR)
	P 2	18.147	18.762	19.301	19.686	20.557	P 2
	P 2A	16.265	17.195	18.433	19.116	20.188	P 2A
	T 2	565.274	564.004	575.495	585.683	601.661	T 2
	T 2A	571.191	571.915	580.095	587.871	597.452	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (40°) - Station 2 (41°) - Station 2A (54°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-29.024	-23.506	-22.324	-11.469	-7.527	BETA 1
STATION 2	BETA 2	69.494	59.410	73.327	46.366	38.488	BETA 2
	BETA(PR) 1	72.012	72.777	75.344	72.047	72.351	BETA(PR) 1
	BETA(PR) 2	34.530	47.570	65.981	50.464	51.155	BETA(PR) 2
	V 1	279.17	289.43	271.72	344.68	364.83	V 1
	V 2	578.98	549.14	545.69	624.39	672.94	V 2
	VZ 1	237.36	262.47	250.64	337.76	361.48	VZ 1
	VZ 2	201.93	278.57	156.53	430.86	526.22	VZ 2
	V-THETA 1	-131.70	-114.16	-102.92	-68.53	-47.76	V-THETA 1
	V-THETA 2	539.91	471.22	522.63	451.91	418.40	V-THETA 2
	V(PR) 1	771.4	887.5	990.8	1095.8	1192.4	V(PR) 1
	V(PR) 2	251.0	415.2	384.7	676.9	839.5	V(PR) 2
	VTHETA PR1	-731.1	-846.7	-958.4	-1042.4	-1136.2	VTHETA PR1
	VTHETA PR2	-138.9	-304.7	-351.3	-522.0	-653.4	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.2516	0.2610	0.2448	0.3117	0.3303	M 1
	M 2	0.5039	0.4777	0.4698	0.5396	0.5737	M 2
	M(PR) 1	0.6953	0.8004	0.8928	0.9911	1.0796	M(PR) 1
	M(PR) 2	0.2185	0.3612	0.3312	0.5850	0.7157	M(PR) 2
	TURN(PR)	37.786	25.336	9.374	21.581	21.231	TURN(PR)
	P 1	12.856	12.882	12.777	12.816	12.915	P 1
	P 2	18.265	18.052	17.951	19.218	20.235	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	577.420	574.966	586.230	589.666	610.281	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	69.494	59.410	73.327	46.366	38.488	BETA 2
STATION 2A	BETA 2A	-9.760	-32.976	-24.309	2.402	7.987	BETA 2A
	V 2	578.98	549.14	545.69	624.39	672.94	V 2
	V 2A	207.51	365.84	390.53	498.70	626.03	V 2A
	VZ 2	201.93	278.57	156.53	430.86	526.22	VZ 2
	VZ 2A	203.65	306.55	355.78	498.26	619.81	VZ 2A
	V-THETA 2	539.91	471.22	522.63	451.91	418.40	V-THETA 2
	V-THETA 2A	-35.03	-198.89	-160.71	20.90	86.97	V-THETA 2A
	M 2	0.5039	0.4777	0.4698	0.5396	0.5737	M 2
	M 2A	0.1764	0.3131	0.3317	0.4245	0.5267	M 2A
	TURN(PR)	78.551	92.039	97.585	43.964	30.458	TURN(PR)
	P 2	18.265	18.052	17.951	19.218	20.235	P 2
	P 2A	16.427	17.200	17.414	18.215	19.583	P 2A
	T 2	577.420	574.966	586.230	589.666	610.281	T 2
	T 2A	579.333	579.361	589.781	595.080	620.645	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (70°) - Station 2 (71°) - Station 2A (84°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-34.747	-31.587	-38.428	-37.883	-34.184	BETA 1
STATION 2	BETA 2	51.363	58.651	86.072	68.297	48.953	BETA 2
	BETA(PR) 1	71.146	75.875	81.164	81.914	83.943	BETA(PR) 1
	BETA(PR) 2	29.912	32.865	82.061	61.394	52.695	BETA(PR) 2
	V 1	334.60	258.50	194.04	197.12	150.52	V 1
	V 2	603.60	654.16	586.96	605.97	663.71	V 2
	VZ 1	268.19	218.09	151.70	155.56	124.46	VZ 1
	VZ 2	371.70	339.21	40.21	224.08	435.54	VZ 2
	V-THETA 1	-186.03	-134.10	-120.36	-121.03	-84.53	V-THETA 1
	V-THETA 2	465.01	556.82	585.57	563.01	500.20	V-THETA 2
	V(PR) 1	833.2	894.4	987.6	1105.9	1179.5	V(PR) 1
	V(PR) 2	440.3	407.3	291.1	468.0	719.1	V(PR) 2
	VTHETA PR1	-785.4	-866.6	-975.8	-1094.9	-1172.9	VTHETA PR1
	VTHETA PR2	-213.8	-219.2	-288.3	-410.9	-571.6	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3024	0.2328	0.1743	0.1771	0.1351	M 1
	M 2	0.5232	0.5684	0.5031	0.5151	0.5546	M 2
	M(PR) 1	0.7531	0.8055	0.8873	0.9937	1.0585	M(PR) 1
	M(PR) 2	0.3816	0.3539	0.2495	0.3979	0.6009	M(PR) 2
	TURN(PR)	41.441	43.144	-0.905	20.519	31.289	TURN(PR)
	P 1	13.289	13.043	13.007	12.978	12.791	P 1
	P 2	18.608	18.814	18.124	18.676	19.599	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	584.226	586.958	595.108	606.458	632.638	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	51.363	58.651	86.072	68.297	48.953	BETA 2
STATION 2A	BETA 2A	5.541	3.745	-0.012	-13.480	8.204	BETA 2A
	V 2	603.60	654.16	586.96	605.97	663.71	V 2
	V 2A	535.22	355.15	295.24	442.52	583.91	V 2A
	VZ 2	371.70	339.21	40.21	224.08	435.54	VZ 2
	VZ 2A	530.43	353.82	295.11	430.33	577.80	VZ 2A
	V-THETA 2	465.01	556.82	585.57	563.01	500.20	V-THETA 2
	V-THETA 2A	51.46	23.16	-0.06	-103.15	83.30	V-THETA 2A
	M 2	0.5232	0.5684	0.5031	0.5151	0.5546	M 2
	M 2A	0.4601	0.3017	0.2473	0.3689	0.4819	M 2A
	TURN(PR)	44.871	54.604	86.074	81.777	40.705	TURN(PR)
	P 2	18.608	18.814	18.124	18.676	19.599	P 2
	P 2A	18.501	17.141	16.851	17.573	18.717	P 2A
	T 2	584.226	586.958	595.108	606.458	632.638	T 2
	T 2A	587.115	587.157	600.423	615.334	639.369	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (100°) - Station 2 (101°) - Station 2A (114°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-22.966	-13.183	-10.373	-8.347	-11.948	BETA 1
STATION 2	BETA 2	38.937	50.863	70.933	56.773	52.311	BETA 2
	BETA(PR) 1	65.119	65.071	68.200	70.042	74.684	BETA(PR) 1
	BETA(PR) 2	21.547	37.211	55.154	45.612	54.315	BETA(PR) 2
	V 1	387.57	397.39	376.54	377.61	323.62	V 1
	V 2	741.20	621.35	618.05	697.50	652.90	V 2
	VZ 1	345.97	382.09	369.20	373.56	316.43	VZ 1
	VZ 2	564.38	390.29	201.84	382.20	398.93	VZ 2
	V-THETA 1	-146.61	-89.50	-67.58	-54.81	-66.96	V-THETA 1
	V-THETA 2	456.00	479.61	583.98	583.46	516.36	V-THETA 2
	V(PR) 1	827.8	908.7	994.6	1094.5	1198.0	V(PR) 1
	V(PR) 2	625.4	493.8	353.6	546.4	684.3	V(PR) 2
	VTHETA PR1	-746.0	-822.0	-923.0	-1028.7	-1155.4	VTHETA PR1
	VTHETA PR2	-222.9	-296.4	-289.9	-390.4	-555.5	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3514	0.3606	0.3412	0.3422	0.2923	M 1
	M 2	0.6462	0.5355	0.5262	0.5936	0.5940	M 2
	M(PR) 1	0.7506	0.8244	0.9012	0.9918	1.0822	M(PR) 1
	M(PR) 2	0.5452	0.4256	0.3010	0.4650	0.6225	M(PR) 2
	TURN(PR)	43.439	27.902	13.052	24.429	20.404	TURN(PR)
	P 1	14.147	14.234	14.329	14.366	14.115	P 1
	P 2	20.374	18.091	18.089	19.419	19.722	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	593.280	592.441	605.922	615.173	538.352	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	38.937	50.863	70.933	56.773	52.311	BETA 2
STATION 2A	BETA 2A	4.706	-0.861	-7.630	0.598	6.398	BETA 2A
	V 2	741.20	621.35	618.05	697.50	652.90	V 2
	V 2A	656.79	433.78	420.54	467.17	578.02	V 2A
	VZ 2	564.38	390.29	201.84	382.20	398.93	VZ 2
	VZ 2A	651.75	433.03	416.64	467.14	574.28	VZ 2A
	V-THETA 2	456.00	479.61	583.98	583.46	516.36	V-THETA 2
	V-THETA 2A	53.65	-6.51	-55.81	4.88	64.40	V-THETA 2A
	M 2	0.6462	0.5355	0.5262	0.5936	0.5940	M 2
	M 2A	0.5712	0.3717	0.3560	0.3938	0.4807	M 2A
	TURN(PR)	33.282	51.383	78.512	56.175	45.870	TURN(PR)
	P 2	20.374	18.091	18.089	19.419	19.722	P 2
	P 2A	19.700	17.619	17.606	17.875	18.746	P 2A
	T 2	593.280	592.441	605.922	615.173	538.352	T 2
	T 2A	586.177	582.554	595.406	603.988	629.504	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (130°) - Station 2 (131°) - Station 2A (144°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	-1.202	0.963	2.808	4.207	9.928	BETA 1
STATION 2	BETA 2	42.612	42.364	50.424	44.849	40.903	BETA 2
	BETA(PR) 1	59.083	61.625	64.375	66.746	69.942	BETA(PR) 1
	BETA(PR) 2	22.617	35.522	40.697	45.209	48.662	BETA(PR) 2
	V 1	377.04	397.39	402.70	406.83	379.43	V 1
	V 2	703.46	650.24	663.40	686.15	708.62	V 2
	VZ 1	363.51	392.11	400.89	405.68	373.53	VZ 1
	VZ 2	507.91	477.27	422.19	486.45	535.10	VZ 2
	V-THETA 1	-7.63	6.59	19.66	29.84	65.38	V-THETA 1
	V-THETA 2	467.24	435.26	510.78	483.90	463.56	V-THETA 2
	V(PR) 1	714.5	827.6	927.5	1027.6	1089.2	V(PR) 1
	V(PR) 2	566.8	591.1	557.7	690.5	810.7	V(PR) 2
	VTHETA PR1	-607.0	-725.9	-835.8	-944.1	-1023.0	VTHETA PR1
	VTHETA PR2	-211.6	-340.7	-363.1	-490.0	-608.3	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3417	0.3606	0.3655	0.3694	0.3439	M 1
	M 2	0.6224	0.5720	0.5797	0.5976	0.6084	M 2
	M(PR) 1	0.6474	0.7509	0.8419	0.9329	0.9871	M(PR) 1
	M(PR) 2	0.5015	0.5200	0.4874	0.6014	0.6960	M(PR) 2
	TURN(PR)	36.239	26.111	23.680	21.535	21.314	TURN(PR)

	P 1	14.254	14.234	14.338	14.336	14.271	P 1
	P 2	19.466	18.732	18.721	19.256	19.765	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.889	573.013	581.649	587.820	606.451	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	42.612	42.364	50.424	44.849	40.903	BETA 2
STATION 2A	BETA 2A	8.266	3.228	3.942	4.163	6.683	BETA 2A
	V 2	703.46	650.24	663.40	686.15	708.62	V 2
	V 2A	595.71	487.67	476.21	519.39	598.80	V 2A
	VZ 2	507.91	477.27	422.19	486.45	535.10	VZ 2
	VZ 2A	587.01	486.11	474.88	518.02	594.59	VZ 2A
	V-THETA 2	467.24	435.26	510.78	483.90	463.56	V-THETA 2
	V-THETA 2A	85.28	27.42	32.72	37.70	69.67	V-THETA 2A
	M 2	0.6224	0.5720	0.5797	0.5976	0.6084	M 2
	M 2A	0.5256	0.4252	0.4139	0.4521	0.5174	M 2A
	TURN(PR)	33.391	38.797	46.408	40.686	34.176	TURN(PR)

	P 2	19.466	18.732	18.721	19.256	19.765	P 2
	P 2A	19.248	18.339	18.317	18.758	19.526	P 2A
	T 2	572.889	573.013	581.649	587.820	606.451	T 2
	T 2A	564.233	567.242	569.899	571.822	587.281	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (160°) - Station 2 (161°) - Station 2A (174°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.94	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	2.495	1.647	2.699	4.076	5.734	BETA 1
STATION 2	BETA 2	44.920	43.358	42.455	37.962	37.458	BETA 2
	BETA(PR) 1	56.870	58.824	61.302	63.267	66.807	BETA(PR) 1
	BETA(PR) 2	28.085	40.424	45.996	50.952	53.261	BETA(PR) 2
	V 1	394.77	441.63	458.56	474.79	449.61	V 1
	V 2	637.46	598.04	608.21	613.66	641.83	V 2
	VZ 1	380.35	435.65	456.54	473.53	447.10	VZ 1
	VZ 2	443.45	432.04	448.09	483.82	508.97	VZ 2
	V-THETA 1	16.57	12.53	21.52	33.74	44.89	V-THETA 1
	V-THETA 2	442.21	407.96	409.95	377.48	389.96	V-THETA 2
	V(PR) 1	703.7	844.6	951.5	1052.7	1135.4	V(PR) 1
	V(PR) 2	516.5	571.5	645.8	768.0	851.4	V(PR) 2
	VTHETA PR1	-582.8	-720.0	-833.9	-940.2	-1043.5	VTHETA PR1
	VTHETA PR2	-236.6	-368.0	-463.9	-596.4	-681.9	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3581	0.4019	0.4179	0.4332	0.4094	M 1
	M 2	0.5640	0.5301	0.5374	0.5460	0.5591	M 2
	M(PR) 1	0.6384	0.7686	0.8670	0.9605	1.0339	M(PR) 1
	M(PR) 2	0.4570	0.5066	0.5706	0.6833	0.7416	M(PR) 2
	TURN(PR)	28.644	18.404	15.302	12.313	13.578	TURN(PR)

	P 1	14.229	14.356	14.372	14.423	14.320	P 1
	P 2	18.642	18.497	18.789	19.221	19.878	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.411	559.433	563.967	557.158	582.824	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	44.920	43.358	42.455	37.962	37.458	BETA 2
STATION 2A	BETA 2A	5.309	2.862	2.615	2.356	5.284	BETA 2A
	V 2	637.46	598.04	608.21	613.66	641.83	V 2
	V 2A	552.95	494.31	511.87	547.62	608.77	V 2A
	VZ 2	443.45	432.04	448.09	483.82	508.97	VZ 2
	VZ 2A	548.21	492.89	511.12	547.15	606.04	VZ 2A
	V-THETA 2	442.21	407.96	409.95	377.48	389.96	V-THETA 2
	V-THETA 2A	50.94	24.64	23.34	22.51	56.05	V-THETA 2A
	M 2	0.5640	0.5301	0.5374	0.5460	0.5591	M 2
	M 2A	0.4858	0.4339	0.4484	0.4783	0.5281	M 2A
	TURN(PR)	38.639	40.155	39.765	35.606	32.131	TURN(PR)

	P 2	18.642	18.497	18.789	19.221	19.878	P 2
	P 2A	18.797	18.452	18.727	19.137	19.775	P 2A
	T 2	565.411	559.433	563.967	557.158	582.824	T 2
	T 2A	564.649	560.521	564.097	570.468	583.974	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (190°) - Station 2 (191°) - Station 2A (204°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	5.492	3.305	2.922	2.893	3.904	BETA 1
STATION 2	BETA 2	42.630	39.442	36.183	33.866	35.888	BETA 2
	BETA(PR) 1	55.946	57.073	59.587	62.700	66.937	BETA(PR) 1
	BETA(PR) 2	24.963	37.957	44.131	49.446	52.406	BETA(PR) 2
	V 1	396.14	464.14	489.81	490.58	451.64	V 1
	V 2	678.53	631.48	637.42	637.54	654.86	V 2
	VZ 1	380.37	457.30	487.56	489.90	450.32	VZ 1
	VZ 2	489.77	484.16	513.59	529.38	529.99	VZ 2
	V-THETA 1	36.57	26.41	24.89	24.76	30.73	V-THETA 1
	V-THETA 2	450.84	398.29	375.66	355.27	383.48	V-THETA 2
	V(PR) 1	687.2	844.6	963.9	1068.2	1149.7	V(PR) 1
	V(PR) 2	556.0	618.7	716.5	814.2	869.3	V(PR) 2
	VTHETA PR1	-562.8	-706.1	-830.6	-949.2	-1057.7	VTHETA PR1
	VTHETA PR2	-228.0	-377.7	-498.2	-618.6	-688.4	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3594	0.4231	0.4474	0.4482	0.4113	M 1
	M 2	0.6042	0.5605	0.5645	0.5621	0.5747	M 2
	M(PR) 1	0.6235	0.7700	0.8806	0.9758	1.0471	M(PR) 1
	M(PR) 2	0.4951	0.5492	0.6346	0.7179	0.7629	M(PR) 2
	TURN(PR)	30.764	19.104	15.449	13.251	14.563	TURN(PR)
	P 1	14.110	14.311	14.355	14.343	14.233	P 1
	P 2	18.947	18.741	19.129	19.500	20.189	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	563.128	561.396	564.446	569.232	576.031	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	42.630	39.442	36.183	33.866	35.888	BETA 2
STATION 2A	BETA 2A	7.467	4.044	3.635	3.196	4.493	BETA 2A
	V 2	678.53	631.48	637.42	637.54	654.86	V 2
	V 2A	556.13	518.62	536.88	567.01	620.16	V 2A
	VZ 2	489.77	484.16	513.59	529.38	529.99	VZ 2
	VZ 2A	549.06	516.49	535.56	566.12	618.11	VZ 2A
	V-THETA 2	450.84	398.29	375.66	355.27	383.48	V-THETA 2
	V-THETA 2A	71.96	36.51	34.02	31.61	48.57	V-THETA 2A
	M 2	0.6042	0.5605	0.5645	0.5621	0.5747	M 2
	M 2A	0.4903	0.4559	0.4713	0.4974	0.5484	M 2A
	TURN(PR)	34.204	35.066	32.477	30.670	31.352	TURN(PR)
	P 2	18.947	18.741	19.129	19.500	20.189	P 2
	P 2A	18.775	18.620	18.954	19.352	20.024	P 2A
	T 2	563.128	561.396	564.446	569.232	576.031	T 2
	T 2A	561.301	560.911	564.024	567.514	564.283	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (220°) - Station 2 (221°) - Station 2A (234°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	3.305	0.999	0.397	0.604	3.479	BETA 1
STATION 2	BETA 2	43.052	40.136	37.462	36.411	34.781	BETA 2
	BETA(PR) 1	57.365	56.959	59.436	62.599	66.377	BETA(PR) 1
	BETA(PR) 2	27.666	39.957	46.790	52.184	55.268	BETA(PR) 2
	V 1	384.42	477.46	504.82	502.21	464.84	V 1
	V 2	649.09	608.10	602.37	597.31	611.32	V 2
	VZ 1	370.13	471.12	503.13	502.12	463.71	VZ 1
	VZ 2	465.45	461.62	477.33	480.70	501.56	VZ 2
	V-THETA 1	21.37	8.22	3.49	5.29	28.19	V-THETA 1
	V-THETA 2	434.83	389.22	365.77	354.55	348.35	V-THETA 2
	V(PR) 1	693.8	867.5	990.3	1091.1	1157.3	V(PR) 1
	V(PR) 2	540.2	606.5	698.0	784.0	880.8	V(PR) 2
	VTHETA PR1	-578.0	-724.3	-852.0	-968.6	-1060.2	VTHETA PR1
	VTHETA PR2	-244.0	-386.8	-508.1	-619.4	-723.5	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3485	0.4357	0.4617	0.4592	0.4238	M 1
	M 2	0.5771	0.5453	0.5333	0.5287	0.5321	M 2
	M(PR) 1	0.6290	0.7917	0.9058	0.9977	1.0551	M(PR) 1
	M(PR) 2	0.4803	0.5439	0.6180	0.6939	0.7667	M(PR) 2
	TURN(PR)	29.557	16.995	12.639	10.411	11.139	TURN(PR)

	P 1	13.975	14.318	14.364	14.350	14.278	P 1
	P 2	18.794	18.798	18.984	19.257	19.737	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	561.580	548.390	561.154	561.003	580.378	T 2

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	43.052	40.136	37.462	36.411	34.781	BETA 2
STATION 2A	BETA 2A	4.905	3.199	2.611	2.021	5.255	BETA 2A
	V 2	649.09	608.10	602.37	597.31	611.32	V 2
	V 2A	552.51	515.79	535.99	551.51	612.83	V 2A
	VZ 2	465.45	461.62	477.33	480.70	501.56	VZ 2
	VZ 2A	548.12	514.14	535.20	551.16	610.11	VZ 2A
	V-THETA 2	434.83	389.22	365.77	354.55	348.35	V-THETA 2
	V-THETA 2A	47.04	28.74	24.41	19.45	56.12	V-THETA 2A
	M 2	0.5771	0.5453	0.5333	0.5287	0.5321	M 2
	M 2A	0.4853	0.4577	0.4704	0.4825	0.5328	M 2A
	TURN(PR)	37.176	36.602	34.778	34.390	29.484	TURN(PR)

	P 2	18.794	18.798	18.984	19.257	19.737	P 2
	P 2A	18.715	18.676	18.970	19.183	19.820	P 2A
	T 2	561.580	548.390	561.154	561.003	580.378	T 2
	T 2A	564.773	550.686	564.229	568.984	581.916	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (250°) - Station 2 (251°) - Station 2A (264°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	4.650	2.318	2.302	1.786	2.646	BETA 1
STATION 2	BETA 2	39.476	36.425	34.617	33.547	34.101	BETA 2
	BETA(PR) 1	55.546	56.367	59.153	62.370	66.541	BETA(PR) 1
	BETA(PR) 2	26.027	37.841	43.936	49.742	53.264	BETA(PR) 2
	V 1	405.14	481.24	501.00	501.92	463.82	V 1
	V 2	684.57	641.68	643.24	633.71	642.48	V 2
	VZ 1	389.48	474.53	498.94	501.62	463.05	VZ 1
	VZ 2	517.43	512.28	528.41	528.15	531.42	VZ 2
	V-THETA 1	31.68	19.21	20.06	15.64	21.40	V-THETA 1
	V-THETA 2	426.18	378.03	364.76	350.20	359.81	V-THETA 2
	V(PR) 1	696.7	860.3	973.9	1081.7	1163.3	V(PR) 1
	V(PR) 2	592.3	653.6	734.8	817.3	889.0	V(PR) 2
	VTHETA PR1	-567.7	-713.3	-835.4	-958.3	-1067.0	VTHETA PR1
	VTHETA PR2	-252.7	-397.9	-509.1	-623.7	-712.0	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3678	0.4393	0.4581	0.4590	0.4228	M 1
	M 2	0.6093	0.5692	0.5696	0.5583	0.5607	M 2
	M(PR) 1	0.6324	0.7853	0.8905	0.9891	1.0605	M(PR) 1
	M(PR) 2	0.5272	0.5798	0.6507	0.7201	0.7758	M(PR) 2
	TURN(PR)	29.318	18.510	15.210	12.625	13.309	TURN(PR)
	P 1	14.026	14.298	14.334	14.321	14.243	P 1
	P 2	19.027	18.906	19.304	19.500	20.042	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	564.338	563.147	565.183	569.604	580.785	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	39.476	36.425	34.617	33.547	34.101	BETA 2
STATION 2A	BETA 2A	7.209	4.095	3.683	2.231	4.422	BETA 2A
	V 2	684.57	641.68	643.24	633.71	642.48	V 2
	V 2A	563.12	537.38	545.91	562.88	619.08	V 2A
	VZ 2	517.43	512.28	528.41	528.15	531.42	VZ 2
	VZ 2A	556.28	535.14	544.55	562.44	617.10	VZ 2A
	V-THETA 2	426.18	378.03	364.76	350.20	359.81	V-THETA 2
	V-THETA 2A	70.36	38.31	35.05	21.91	47.72	V-THETA 2A
	M 2	0.6093	0.5692	0.5696	0.5583	0.5607	M 2
	M 2A	0.4963	0.4728	0.4791	0.4936	0.5408	M 2A
	TURN(PR)	31.324	32.007	30.864	31.316	29.637	TURN(PR)
	P 2	19.027	18.906	19.304	19.500	20.042	P 2
	P 2A	18.776	18.798	19.040	19.287	19.873	P 2A
	T 2	564.338	563.147	565.183	569.604	580.785	T 2
	T 2A	562.102	561.724	565.170	567.496	577.383	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (280°) - Station 2 (281°) - Station 2A (294°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	2.385	1.024	0.797	0.489	3.228	BETA 1
STATION 2	BETA 2	42.620	38.330	38.387	35.509	34.731	BETA 2
	BETA(PR) 1	55.668	56.570	59.161	62.162	65.607	BETA(PR) 1
	BETA(PR) 2	28.414	39.365	45.965	52.578	55.738	BETA(PR) 2
	V 1	413.08	484.37	508.28	512.08	482.31	V 1
	V 2	643.53	618.62	611.40	592.17	604.09	V 2
	VZ 1	398.01	477.93	506.54	511.99	481.25	VZ 1
	VZ 2	464.58	481.67	478.45	482.04	495.93	VZ 2
	V-THETA 1	16.58	8.54	7.05	4.37	27.14	V-THETA 1
	V-THETA 2	427.50	380.81	379.04	343.95	343.79	V-THETA 2
	V(PR) 1	714.1	871.0	989.0	1096.5	1165.4	V(PR) 1
	V(PR) 2	542.7	627.6	689.2	793.2	881.3	V(PR) 2
	VTHETA PR1	-582.8	-724.0	-848.4	-969.5	-1061.3	VTHETA PR1
	VTHETA PR2	-251.3	-395.2	-494.9	-630.0	-728.0	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3752	0.4423	0.4650	0.4687	0.4403	M 1
	M 2	0.5712	0.5486	0.5406	0.5244	0.5248	M 2
	M(PR) 1	0.6486	0.7954	0.9048	1.0035	1.0640	M(PR) 1
	M(PR) 2	0.4817	0.5565	0.6094	0.7025	0.7656	M(PR) 2
	TURN(PR)	27.104	17.194	13.188	9.582	9.899	TURN(PR)

P 1	14.028	14.369	14.397	14.360	14.270	P 1
P 2	18.663	18.826	19.075	19.204	19.610	P 2
T 1	518.700	518.700	518.700	518.700	518.700	T 1
T 2	562.775	561.060	563.500	559.815	581.908	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	42.620	38.330	38.387	35.509	34.731	BETA 2
STATION 2A	BETA 2A	5.600	3.373	2.559	1.491	5.471	BETA 2A
	V 2	643.53	618.62	611.40	592.17	604.09	V 2
	V 2A	547.42	529.20	541.11	545.11	603.17	V 2A
	VZ 2	464.58	481.67	478.45	482.04	495.93	VZ 2
	VZ 2A	542.47	527.42	540.34	544.92	600.29	VZ 2A
	V-THETA 2	427.50	380.81	379.04	343.95	343.79	V-THETA 2
	V-THETA 2A	53.19	31.08	24.15	14.18	57.49	V-THETA 2A
	M 2	0.5712	0.5486	0.5406	0.5244	0.5248	M 2
	M 2A	0.4822	0.4656	0.4762	0.4773	0.5255	M 2A
	TURN(PR)	36.054	34.626	35.755	34.018	29.218	TURN(PR)

P 2	18.663	18.826	19.075	19.204	19.610	P 2
P 2A	18.642	18.746	19.036	19.139	19.719	P 2A
T 2	562.775	561.060	563.500	559.815	581.908	T 2
T 2A	561.310	560.902	561.801	567.479	578.612	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (310°) - Station 2 (311°) - Station 2A (324°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	8.620	4.977	3.485	3.443	4.068	BETA 1
STATION 2	BETA 2	40.567	37.403	35.415	34.761	34.754	BETA 2
	BETA(PR) 1	53.778	55.479	58.711	61.802	66.095	BETA(PR) 1
	BETA(PR) 2	25.951	37.606	43.550	49.738	52.985	BETA(PR) 2
	V 1	414.11	483.49	503.94	506.82	469.15	V 1
	V 2	679.19	641.29	646.45	632.34	646.47	V 2
	VZ 1	395.14	475.39	501.35	505.84	467.69	VZ 1
	VZ 2	505.55	505.55	525.91	519.49	530.57	VZ 2
	V-THETA 1	59.90	41.40	30.53	30.43	33.26	V-THETA 1
	V-THETA 2	432.80	386.56	373.95	360.53	368.12	V-THETA 2
	V(PR) 1	677.4	842.5	966.2	1070.6	1154.3	V(PR) 1
	V(PR) 2	578.4	643.0	726.6	803.8	881.8	V(PR) 2
	VTHETA PR1	-539.5	-691.1	-824.9	-943.5	-1055.2	VTHETA PR1
	VTHETA PR2	-246.0	-389.4	-499.9	-613.4	-703.7	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3762	0.4414	0.4609	0.4636	0.4279	M 1
	M 2	0.6070	0.5753	0.5747	0.5598	0.5638	M 2
	M(PR) 1	0.6153	0.7692	0.8837	0.9793	1.0527	M(PR) 1
	M(PR) 2	0.5169	0.5768	0.6460	0.7117	0.7691	M(PR) 2
	TURN(PR)	27.604	17.852	15.153	12.061	13.141	TURN(PR)
	P 1	14.089	14.331	14.345	14.344	14.257	P 1
	P 2	18.812	18.812	19.152	19.308	19.834	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.518	551.421	561.332	564.222	581.902	T 21
STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	40.567	37.403	35.415	34.761	34.754	BETA 2
STATION 2A	BETA 2A	9.121	4.536	3.958	2.293	4.765	BETA 2A
	V 2	679.19	641.29	646.45	632.34	646.47	V 2
	V 2A	521.69	493.97	512.88	531.27	588.50	V 2A
	VZ 2	505.55	505.55	525.91	519.49	530.57	VZ 2
	VZ 2A	512.91	491.63	511.44	530.84	586.33	VZ 2A
	V-THETA 2	432.80	386.56	373.95	360.53	368.12	V-THETA 2
	V-THETA 2A	82.35	39.00	35.39	21.26	48.87	V-THETA 2A
	M 2	0.6070	0.5753	0.5747	0.5598	0.5638	M 2
	M 2A	0.4590	0.4411	0.4497	0.4655	0.5082	M 2A
	TURN(PR)	30.504	32.541	31.386	32.468	29.947	TURN(PR)
	P 2	18.812	18.812	19.152	19.308	19.834	P 2
	P 2A	18.408	18.495	18.738	19.012	19.506	P 2A
	T 2	559.518	551.421	561.332	564.222	581.902	T 2
	T 2A	560.291	542.302	563.239	565.703	586.998	T 2A

Table 4. Honeycomb Configuration Flow Distribution Data (Continued)

Circumferential Distortion - Station 1 (340°) - Station 2 (341°) - Station 2A (354°)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 6032.56 CORRECTED WEIGHT FLOW = 223.00

ROTOR	PCT SPAN	89.84	70.11	50.21	29.89	10.00	PCT SPAN
	DIA	25.790	29.480	33.200	37.000	40.720	DIA
STATION 1	BETA 1	22.839	10.627	7.042	6.403	7.128	BETA 1
STATION 2	BETA 2	53.371	48.783	45.186	43.145	41.138	BETA 2
	BETA(PR) 1	55.756	60.198	58.737	60.315	64.229	BETA(PR) 1
	BETA(PR) 2	34.357	45.258	49.928	54.748	56.561	BETA(PR) 2
	V 1	354.91	390.42	488.40	525.13	499.71	V 1
	V 2	567.99	550.48	565.56	567.49	596.54	V 2
	VZ 1	317.09	378.85	483.14	521.79	495.55	VZ 1
	VZ 2	334.62	360.81	398.08	414.06	448.86	VZ 2
	V-THETA 1	133.55	71.09	59.68	58.56	61.97	V-THETA 1
	V-THETA 2	450.09	411.90	400.68	388.08	392.09	V-THETA 2
	V(PR) 1	570.2	764.8	931.8	1053.7	1139.9	V(PR) 1
	V(PR) 2	415.2	515.7	619.1	717.4	815.0	V(PR) 2
	VTHETA PR1	-465.8	-661.5	-795.8	-915.4	-1026.4	VTHETA PR1
	VTHETA PR2	-228.8	-364.1	-473.2	-585.8	-679.7	VTHETA PR2
	U 1	599.35	732.54	855.47	973.91	1088.41	U 1
	U 2	678.84	775.97	873.89	973.91	1071.83	U 2
	M 1	0.3212	0.3541	0.4461	0.4812	0.4569	M 1
	M 2	0.5019	0.4868	0.5000	0.5001	0.5185	M 2
	M(PR) 1	0.5160	0.6936	0.8511	0.9654	1.0422	M(PR) 1
	M(PR) 2	0.3669	0.4560	0.5473	0.6321	0.7084	M(PR) 2
	TURN(PR)	21.345	14.958	8.800	5.564	7.697	TURN(PR)

	P 1	13.425	13.297	13.815	14.095	14.104	P 1
	P 2	17.815	17.993	18.385	18.616	19.230	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.788	557.442	559.133	562.801	580.464	T 21

STATOR A	PCT SPAN	90.02	70.26	50.50	30.75	10.99	PCT SPAN
	DIA	27.475	30.652	33.829	37.006	40.183	DIA
STATION 2	BETA 2	53.371	48.783	45.186	43.145	41.138	BETA 2
STATION 2A	BETA 2A	-30.830	12.796	3.894	1.787	5.287	BETA 2A
	V 2	567.99	550.48	565.56	567.49	596.54	V 2
	V 2A	305.79	387.91	473.54	486.60	600.89	V 2A
	VZ 2	334.62	360.81	398.08	414.06	448.86	VZ 2
	VZ 2A	261.74	377.69	472.25	486.36	598.19	VZ 2A
	V-THETA 2	450.09	411.90	400.68	388.08	392.09	V-THETA 2
	V-THETA 2A	-156.21	85.78	32.14	15.17	55.36	V-THETA 2A
	M 2	0.5019	0.4868	0.5000	0.5001	0.5185	M 2
	M 2A	0.2656	0.3388	0.4133	0.4222	0.5173	M 2A
	TURN(PR)	83.133	35.664	41.217	41.358	35.807	TURN(PR)

	P 2	17.815	17.993	18.385	18.616	19.230	P 2
	P 2A	16.922	17.545	18.403	18.673	19.840	P 2A
	T 2	559.788	557.442	559.133	562.801	580.464	T 2
	T 2A	559.308	558.053	565.128	572.449	591.649	T 2A

Table 5. Inlet Static Pressure Data for Circumferential Distortion Tests

Corrected Weight Flow, lb/sec	Rotor Speed, %	Wall Static Location	Circumferential Position, deg	Static Pressure Station A, psia	Station B, psia	Station C, psia	Station D, psia	Station E, psia
			Solid Shroud Configuration					
150.26	70	ID	15	14.055	14.069	14.075	14.059	14.025
			165	14.207	14.184	14.180	14.214	14.296
		OD	15	14.081	14.082	14.077	14.054	13.989
			165	14.257	14.238	14.202	14.220	14.236
169.75	70	ID	15	13.850	13.879	13.899	13.890	13.874
			165	14.064	14.037	14.021	14.062	14.159
		OD	15	13.879	13.883	13.873	13.854	13.799
			165	14.101	14.089	14.047	14.054	14.061
186.89	70	ID	15	13.637	13.668	13.670	13.669	13.650
			165	13.878	13.852	13.815	13.863	13.990
		OD	15	13.697	13.698	13.699	13.662	12.604
			165	13.970	13.938	13.870	13.879	13.909
200.13	90	ID	15	13.554	13.557	13.573	13.529	13.461
			45	13.838	13.812	13.785	13.800	13.879
			75	13.557	13.610	13.600	13.648	13.660
			105	13.719	13.702	13.663	13.649	13.706
			135	13.782	13.763	13.763	13.829	14.049
			165	13.815	13.797	13.775	13.844	14.003
			195	13.839	13.828	13.800	13.824	13.951
			225	13.832	13.815	13.771	13.797	13.883
			255	13.610	13.648	13.637	13.654	13.673
			285	13.801	13.740	13.689	13.721	13.794
			315	13.700	13.705	13.715	13.796	13.986
			345	13.606	13.594	13.576	13.567	13.513
		OD	15	13.583	13.576	13.595	13.536	13.390
			45	13.965	13.870	13.844	13.814	13.725
			75	13.622	13.629	13.635	13.665	13.685
			105	13.892	13.754	13.703	13.673	13.624
			135	13.911	13.785	13.757	13.909	14.004
			165	13.939	13.900	13.807	13.863	13.899
			195	13.930	13.835	13.829	13.831	13.814
			225	13.965	13.918	13.840	13.769	13.758
			255	13.635	13.632	13.673	13.668	13.627
			285	13.899	13.878	13.758	13.691	13.658
			315	13.823	13.786	13.771	13.833	14.015
			345	13.599	13.592	13.576	13.539	13.405

Table 5. Inlet Static Pressure Data for Circumferential Distortion Tests (Continued)

Corrected Weight Flow, lb/sec	Rotor Speed, %	Wall Static Location	Circumferential Position, deg	Static Pressure Station A, psia	Station B, psia	Station C, psia	Station D, psia	Station E, psia
			Solid Shroud Configuration (Continued)					
208.47	90	ID	15	13.427	13.474	13.455	13.430	13.379
			165	13.741	13.690	13.674	13.755	13.907
		OD	15	13.456	13.476	13.461	13.421	13.278
			165	12.943	13.799	13.739	13.741	13.764
241.57	90	ID	15	12.864	12.908	12.989	12.923	12.861
			165	13.317	13.236	13.208	13.303	13.490
		OD	15	12.942	12.974	12.922	12.917	12.828
			165	13.464	13.402	13.279	13.295	13.331
223.08	100	ID	15	13.203	13.245	13.232	13.215	13.095
			45	13.624	13.579	13.525	13.563	13.632
			75	13.318	13.323	13.357	13.376	13.357
			105	13.439	13.405	13.366	13.376	13.424
			135	19.606	19.586	19.580	19.683	20.084
			165	13.595	13.561	13.511	13.608	13.828
			195	13.652	13.598	13.581	13.661	13.775
			225	13.635	13.595	13.534	13.582	13.651
			255	13.285	13.305	13.314	13.310	13.317
			285	19.636	19.560	19.426	19.501	19.619
			315	13.384	13.401	13.426	13.539	13.787
			345	13.308	13.288	13.259	13.234	13.141
		OD	15	13.269	13.265	13.228	13.177	12.991
			45	13.740	13.666	13.604	13.576	13.511
			75	13.325	13.373	13.402	13.368	13.409
			105	13.667	13.474	13.429	13.393	13.333
			135	19.854	19.649	19.662	19.822	20.108
			165	13.725	13.655	13.587	13.635	13.720
			195	13.741	13.649	13.645	13.672	13.644
			225	13.722	13.690	13.633	13.564	13.520
			255	13.349	13.338	13.345	13.334	13.302
			285	19.854	19.753	19.539	19.418	19.363
			315	13.564	13.528	13.485	13.602	13.881
			345	13.337	13.292	13.312	13.202	13.090
244.68	100	ID	15	12.845	12.891	12.884	12.833	12.791
			165	13.302	13.239	13.203	13.300	13.500
		OD	15	12.894	12.908	12.899	12.817	12.649
			165	13.453	13.381	13.269	13.290	13.317

Table 5. Inlet Static Pressure Data for Circumferential Distortion Tests (Continued)

Corrected Weight Flow, lb/sec	Rotor Speed, %	Wall Static Location	Circumferential Position, deg	Static Pressure Station A, psia	Station B, psia	Station C, psia	Station D, psia	Station E, psia
			Solid Shroud Configuration (Continued)					
259.30	100	ID	15	12.494	12.531	12.443	12.469	12.357
			45	13.062	13.041	12.972	13.119	13.308
			75	12.565	12.626	12.624	12.594	12.552
			105	12.886	12.842	12.856	12.899	13.139
			135	13.018	12.949	12.986	13.100	13.240
			165	12.930	12.887	12.884	12.944	13.244
			195	13.063	13.065	12.989	13.102	13.257
			225	13.066	13.074	12.999	13.092	13.291
			255	12.594	12.602	12.646	12.674	12.555
			285	13.153	12.991	12.966	13.018	13.213
			315	12.756	12.754	12.827	12.876	13.077
			345	12.597	12.627	12.561	12.527	12.539
		OD	15	12.602	12.645	12.587	12.529	12.358
			45	13.337	13.104	13.069	13.183	13.139
			75	12.565	12.584	12.589	12.531	12.523
			105	13.195	12.944	12.934	12.936	13.032
			135	13.137	12.896	12.852	12.899	12.978
			165	13.139	13.092	12.920	12.952	13.023
			195	13.293	13.086	13.030	13.077	13.090
			225	13.286	13.168	13.071	13.078	13.123
			255	12.689	12.683	12.688	12.620	12.508
			285	13.178	13.122	12.999	13.026	13.082
			315	13.046	12.954	12.862	12.875	13.032
			345	12.590	12.634	12.626	12.554	12.506
			Honeycomb Shroud Configuration					
116.38	70	ID	15	14.308	14.319	14.314	14.304	14.259
			165	14.410	14.409	14.412	14.448	14.758
		OD	15	14.296	14.307	14.297	14.284	14.227
			165	14.430	14.430	14.417	14.438	14.479
157.55	70	ID	15	13.962	13.981	13.981	13.959	13.934
			165	14.109	14.096	14.088	14.117	14.194
		OD	15	13.991	13.992	13.963	13.971	13.899
			165	14.178	14.164	14.121	14.124	14.126

Table 5. Inlet Static Pressure Data for Circumferential Distortion Tests (Continued)

Corrected Weight Flow, lb/sec	Rotor Speed, %	Wall Static Location	Circumferential Position, deg	Static Pressure Station A, psia	Station B, psia	Station C, psia	Station D, psia	Station E, psia
			Honeycomb Shroud Configuration (Continued)					
187.55	70	ID	15	13.914	13.684	13.696	13.698	13.671
			165	13.899	13.878	13.854	13.905	14.007
		OD	15	13.702	13.675	13.682	13.687	13.602
			165	13.980	13.955	13.881	13.878	13.914
158.67	90	ID	15	13.966	13.974	13.982	13.941	13.846
			45	14.202	14.203	14.189	14.215	14.218
			75	14.036	14.034	14.056	14.045	14.034
			105	14.079	14.054	14.038	14.022	14.021
			135	14.202	14.182	14.183	14.216	14.263
			165	14.160	14.158	14.164	14.223	14.315
			195	14.204	14.190	14.202	14.239	14.295
			225	14.200	14.189	14.181	14.205	14.219
			255	14.028	14.037	14.036	14.006	13.958
			285	14.194	14.156	14.142	14.170	14.160
			315	14.050	14.053	14.078	14.139	14.248
			345	14.051	14.019	14.000	14.021	13.934
		OD	15	14.004	14.013	13.990	13.935	13.815
			45	14.210	14.271	14.181	14.243	14.197
			75	14.061	14.055	14.091	14.077	14.084
			105	14.079	14.169	14.036	14.002	13.948
			135	14.216	14.268	14.195	14.276	14.312
			165	14.229	14.208	14.201	14.215	14.296
			195	14.232	14.267	14.238	14.247	14.275
			225	14.245	14.233	14.213	14.184	14.156
			255	14.055	14.036	14.066	14.036	13.985
			285	14.203	14.223	14.179	14.128	14.156
			315	14.152	14.128	14.136	14.199	14.350
			345	14.038	14.039	14.019	13.948	13.862
198.32	90	ID	15	13.564	13.586	13.587	13.586	13.533
			165	13.837	13.805	13.775	13.828	13.959
		OD	15	13.596	13.620	13.599	13.566	13.445
			165	13.929	13.901	13.849	13.851	13.863
237.74	90	ID	15	12.598	12.987	13.000	13.001	12.978
			165	13.375	13.296	13.246	13.326	13.514
			15	12.988	12.986	13.007	12.977	12.859
			165	13.493	13.493	13.359	13.387	13.424

Table 5. Inlet Static Pressure Data for Circumferential Distortion Tests (Continued)

Corrected Weight Flow, lb/sec	Rotor Speed, %	Wall Static Location	Circumferential Position, deg	Static Pressure Station A, psia	Station B, psia	Station C, psia	Station D, psia	Station E, psia
			Honeycomb Shroud Configuration (Continued)					
188.71	100	ID	15	13.681	13.705	13.697	14.730	13.513
			45	13.985	13.982	13.950	13.985	14.005
			75	13.664	13.691	13.695	13.698	13.675
			105	13.798	13.752	13.721	13.719	13.710
			135	13.919	13.895	13.910	13.972	14.044
			165	13.967	13.961	13.961	14.048	14.168
			195	14.000	13.938	13.924	14.006	14.057
			225	13.922	13.897	13.855	13.897	13.914
			255	13.734	13.764	13.761	13.717	13.659
			285	13.962	13.903	13.873	13.869	13.861
			315	13.761	13.794	13.824	13.914	14.128
			345	13.702	13.717	13.676	13.669	13.557
		OD	15	13.681	13.702	13.697	13.631	13.442
			45	14.046	14.072	13.985	14.012	13.986
			75	13.705	13.677	13.686	13.708	13.741
			105	13.797	13.925	13.748	13.694	13.613
			135	13.959	13.001	13.960	14.070	14.113
			165	14.041	14.018	14.030	14.048	14.152
			195	13.935	14.022	13.989	14.026	14.057
			225	14.014	13.960	13.878	13.871	13.843
			255	13.831	13.814	13.806	13.757	13.669
			285	14.018	13.989	13.943	13.895	13.855
			315	13.932	13.901	13.889	13.990	14.254
			345	13.684	13.692	13.639	13.931	13.447
223.00	100	ID	15	13.295	13.336	13.331	13.276	13.184
			45	13.582	13.562	13.523	13.527	13.632
			75	13.293	13.352	13.372	13.396	13.374
			105	13.482	13.445	13.432	13.421	13.481
			135	13.518	13.472	13.498	13.606	13.840
			165	13.658	13.631	13.614	p3.668	13.840
			195	13.624	13.592	13.582	13.632	13.746
			225	13.653	13.609	13.553	13.580	13.642
			255	13.279	13.340	13.350	13.338	13.324
			285	13.576	13.495	13.426	13.449	13.529
			315	13.392	13.432	13.460	13.544	13.781
			345	13.282	13.307	13.293	13.239	13.193

Table 5. Inlet Static Pressure Data for Circumferential Distortion Tests (Continued)

Corrected Weight Flow, lb/sec	Rotor Speed, %	Wall Static Location	Circumferential Position, deg	Static Pressure Station A, psia	Station B, psia	Station C, psia	Station D, psia	Station E, psia
			Honeycomb Shroud Configuration (Continued)					
223.00	100	OD	15	13.348	13.354	13.339	13.274	13.091
			45	13.610	13.763	13.555	13.570	13.481
			75	13.375	13.343	13.379	13.386	13.408
			105	13.480	13.691	13.433	13.449	13.385
			135	13.547	13.718	13.544	13.650	13.785
			165	13.795	13.737	13.673	13.684	13.703
			195	13.649	13.784	13.604	13.647	13.607
			225	13.754	13.696	13.606	13.549	13.517
			255	13.315	13.311	13.317	13.297	13.237
			285	13.703	13.639	13.479	13.441	13.395
			315	13.634	13.575	13.557	13.627	13.861
			345	13.338	13.331	13.285	13.234	13.129
257.22	100	ID	15	12.583	12.625	12.640	12.612	12.566
			165	13.104	13.056	13.012	13.089	13.328
		OD	15	12.584	12.629	12.618	12.591	12.476
			165	13.303	13.236	13.130	13.114	13.164

Table 6. Annular Plenum Data

Rotor Speed, %	Corrected Weight Flow, lb/sec	Static Pressure, psia, Circumferential Location, deg 5	95	200	290	Total Temperature, °R, Circumferential Location, deg 15	105	210	300
				UNIFORM INLET					
70	115.76	15.934	16.055	16.293	16.022	586.293	586.507	587.707	585.306
	139.95	15.461	15.609	15.858	15.543	569.468	572.402	576.486	572.746
	161.81	14.927	15.132	15.374	15.000	559.016	560.461	561.161	556.470
	177.28	14.487	14.664	14.887	14.534	550.702	552.213	553.234	549.099
	201.92	13.795	13.881	14.101	13.840	538.886	539.524	541.620	539.068
90	157.67	16.951	17.066	17.445	17.054	626.317	625.578	631.137	629.219
	184.57	16.221	16.476	16.857	16.440	616.236	623.682	626.331	617.362
	211.07	15.356	15.796	16.129	15.547	609.715	612.676	615.254	606.621
	231.92	14.355	17.306	15.041	14.471	591.652	598.398	600.269	588.821
	237.34	13.085	13.280	13.508	13.152	578.338	581.030	586.010	574.908
100	183.96	17.229	17.229	18.021	17.398	664.816	670.591	673.786	668.268
	211.76	16.450	16.791	17.309	16.817	659.281	670.279	675.178	664.308
	227.93	15.628	16.220	16.615	15.996	649.162	662.558	664.378	643.330
	254.36	14.413	14.965	15.249	14.574	626.711	639.432	649.535	622.830
	278.67	12.708	12.938	13.192	12.723	602.112	603.664	611.177	602.025
				RADIAL DISTORTION					
70	130.01	16.510	16.560	16.796	16.625	618.984	616.359	613.727	615.554
	163.00	15.522	15.746	16.011	15.616	593.670	597.550	599.158	595.155
	193.98	14.462	14.739	14.985	14.560	566.593	569.923	574.298	567.260
90	192.83	16.952	17.304	17.669	17.168	662.341	666.162	668.757	665.026
	219.13	15.786	16.242	16.565	15.909	648.849	658.386	662.122	654.021
	247.57	14.517	14.889	15.353	14.592	615.151	620.474	623.714	611.246
100	216.73	17.526	18.042	18.565	17.943	713.531	722.743	724.459	720.084
	218.34	17.491	17.976	18.373	17.892	714.175	723.825	727.025	714.827
	239.31	16.627	17.289	17.599	16.895	700.673	707.608	612.786	701.986
	268.24	14.316	14.751	15.156	14.340	651.558	659.945	663.167	639.643

Table 6. Annular Plenum Data (Continued)

Rotor Speed, %	Weight Flow, lb/sec	Screen Position	Static Pressure, psia, Circumferential Location, deg				Total Temperature, °R, Circumferential Location, deg			
			5	95	200	290	15	105	210	300
			CIRCUMFERENTIAL DISTORTION							
70	116.38	1	15.682	17.118	16.784	15.867	579.113	613.588	623.094	579.779
	157.55	1	14.870	15.784	15.230	14.809	563.430	589.740	558.887	551.568
	187.55	1	14.148	14.768	14.369	14.096	548.818	563.952	544.465	539.350
90	158.67	1	16.002	18.140	17.474	16.202	617.132	670.154	681.065	628.122
		2	15.810	16.579	18.581	16.604	615.943	636.396	677.132	660.150
		3	16.496	16.399	18.146	17.255	673.364	650.722	675.865	678.635
		4	16.960	16.452	16.812	18.232	678.264	642.125	633.017	672.052
		5	17.644	17.135	16.676	18.838	680.408	685.746	658.025	658.105
		6	17.105	17.799	16.823	15.834	655.420	676.740	655.459	606.962
	198.32	1	14.990	16.940	15.526	14.864	602.835	644.613	593.669	581.921
	237.74	1	13.794	14.945	13.937	13.559	585.739	629.926	584.803	571.951
100	188.71	1	15.873	19.086	17.766	15.984	653.487	708.346	713.735	653.803
		2	15.399	16.788	19.297	16.538	634.435	689.693	707.712	668.152
		3	16.205	16.074	18.534	17.363	680.059	648.316	696.321	701.330
		4	17.063	16.281	16.956	19.018	712.132	681.787	687.075	710.858
		5	18.044	17.086	16.498	16.813	719.105	721.722	695.005	701.091
		6	17.263	18.035	16.695	15.474	701.214	711.381	685.960	632.719
	223.00	1	15.038	18.039	17.311	14.749	636.858	693.952	633.100	614.070
		2	14.446	16.187	17.500	14.842	613.015	681.198	660.408	611.740
		3	14.491	14.905	17.500	15.576	615.383	623.664	706.104	631.920
		4	14.982	14.983	16.187	18.085	620.113	627.501	668.990	678.582
		5	17.072	15.162	15.175	16.154	665.173	626.907	633.471	674.194
		6	16.344	16.415	15.253	14.666	683.796	654.062	635.804	602.936
	257.22	1	13.507	14.790	13.769	13.406	608.903	676.640	613.703	598.069

Note: Probe location relative to fixed screen position (345 deg to 85 deg) can be determined by subtracting the following angles from the circumferential probe location given at the top of the table.

Screen Position	Angle, deg
1	0
2	60
3	120
4	180
5	240
6	300

RADIAL AND CIRCUMFERENTIAL DISTRIBUTIONS OF FLOW VARIABLES FOR RADIAL AND CIRCUMFERENTIAL DISTORTION TESTS

A comparison of the radial distributions of the measured test data and calculated axial velocities for the solid shroud and honeycomb shroud configurations with radial distortion are presented in figures 1 through 13. Figures 1 through 4 provide radial distributions of rotor inlet total pressure, static pressure, air angle, and axial velocity data at 100% design equivalent rotor speed. Static pressure values given at zero and 100% span are measured static pressure values and are not extrapolated values. Radial displays of these same variables at the stator inlet and stator exit are given in figures 5 through 8 and in figures 9 through 12, respectively. Stator exit total temperature data are given in figure 13.

Circumferential plots of the measured test data and calculated axial velocities from the multiple screen position tests are presented in figures 14 through 91. The direction of rotor rotation for these figures is from left to right. A summary of the plotted data provided in these figures is given below. The sequence of data corresponding to the group of figures given for each axial location, i.e., rotor inlet, stator inlet or stator exit, are total pressure, static pressure, air angle, axial velocity, and total temperature (stator exit only). Again, static pressure values given at zero and 100% span are measured values and are not extrapolated.

Configuration	Design Speed, %	Inlet Flow, lb/sec	Axial Location	Figure No. From	Figure No. To
Solid Shroud	90	200.13	Rotor Inlet	14	17
			Stator Inlet	18	21
			Stator Exit	22	26
Solid Shroud	100	259.30	Rotor Inlet	27	30
			Stator Inlet	31	34
			Stator Exit	35	39
Solid Shroud	100	223.08	Rotor Inlet	40	43
			Stator Inlet	44	47
			Stator Exit	48	52
Honeycomb Shroud	90	158.67	Rotor Inlet	53	56
			Stator Inlet	57	60
			Stator Exit	61	65
Honeycomb Shroud	100	223.00	Rotor Inlet	66	69
			Stator Inlet	70	73
			Stator Exit	74	78
Honeycomb Shroud	100	188.71	Rotor Inlet	79	82
			Stator Inlet	83	86
			Stator Exit	87	91

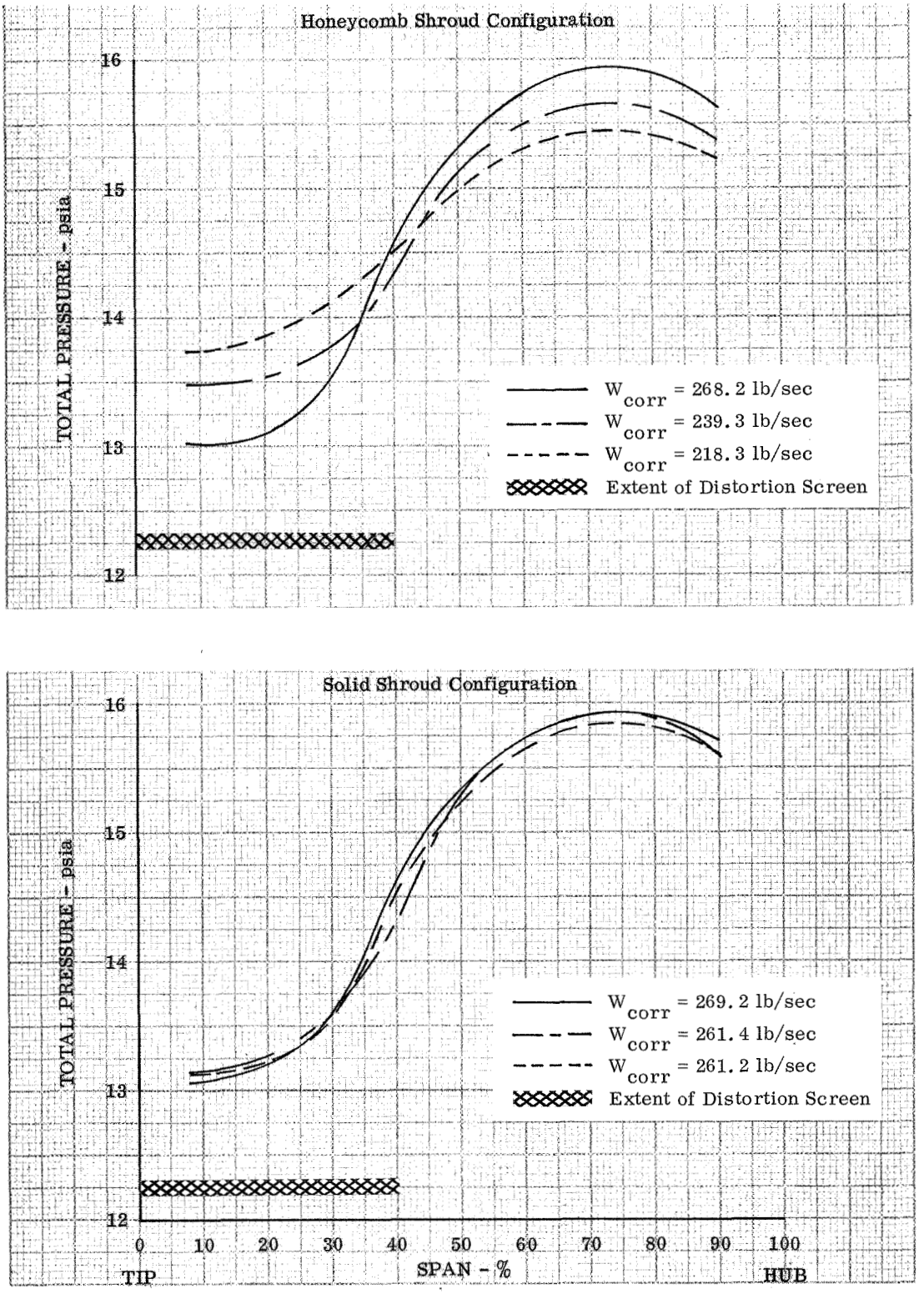


Figure 1. Rotor Inlet Total Pressure vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83932

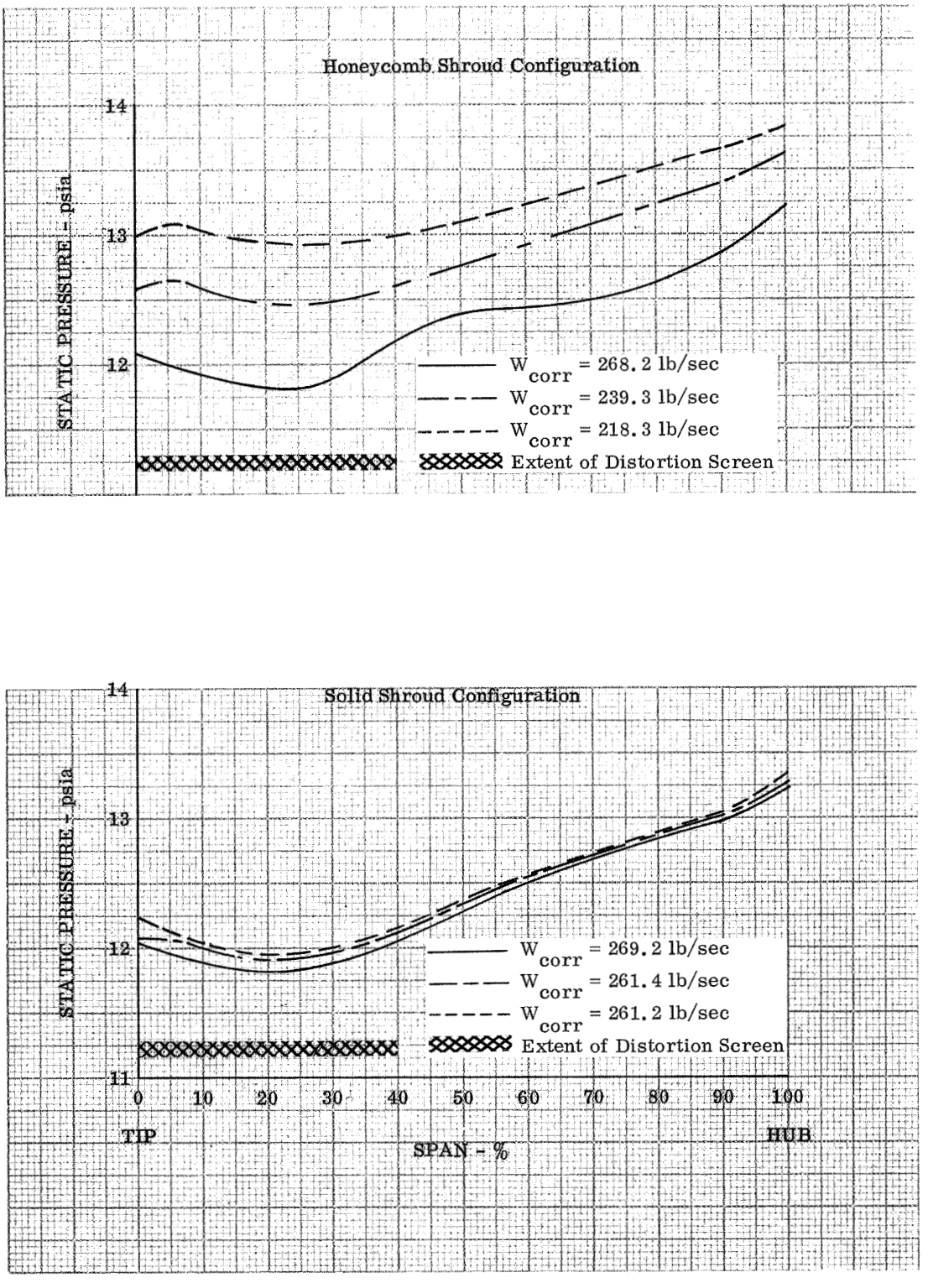


Figure 2. Rotor Inlet Static Pressure vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83933

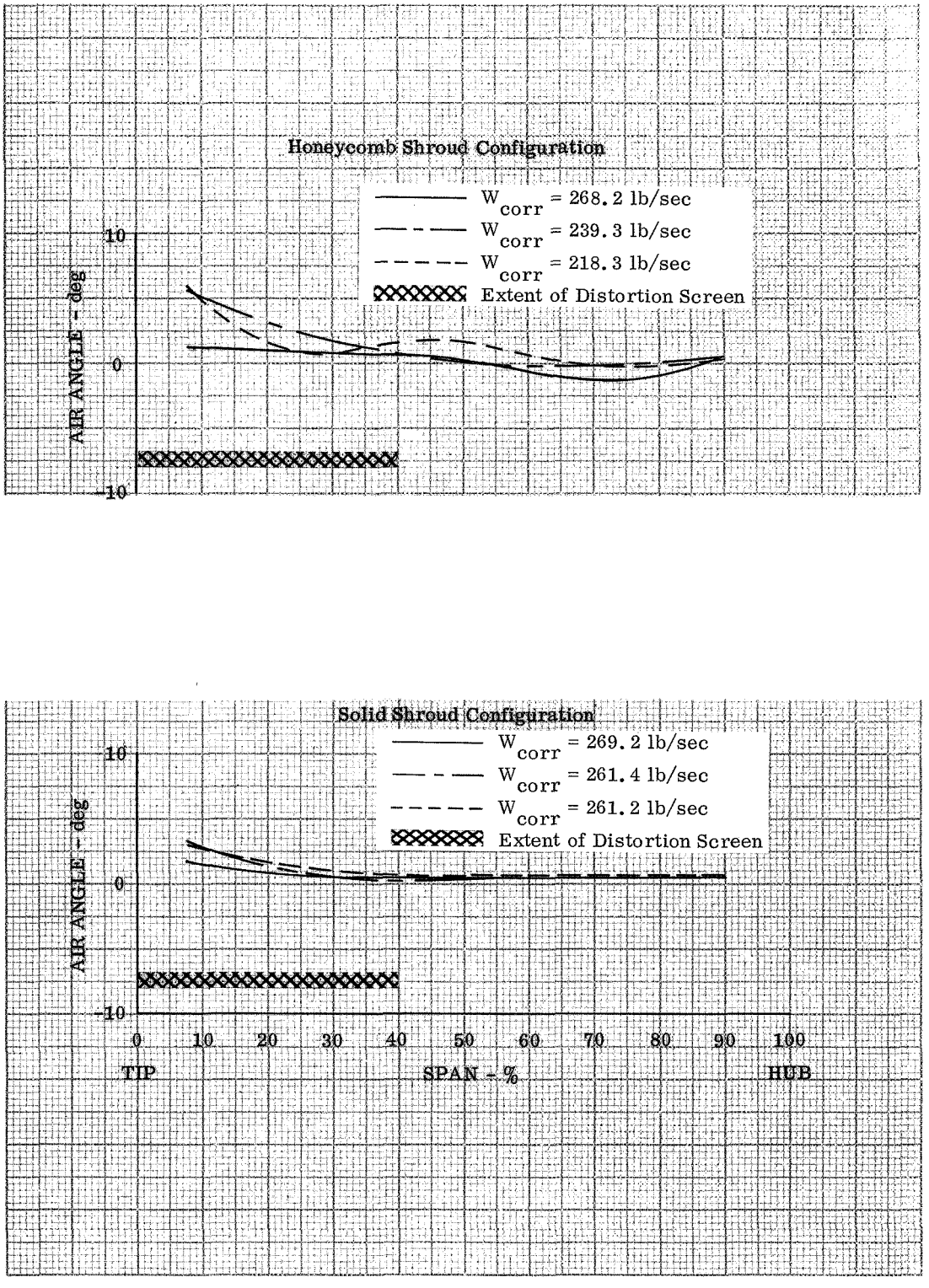


Figure 3. Rotor Inlet Air Angle vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83934

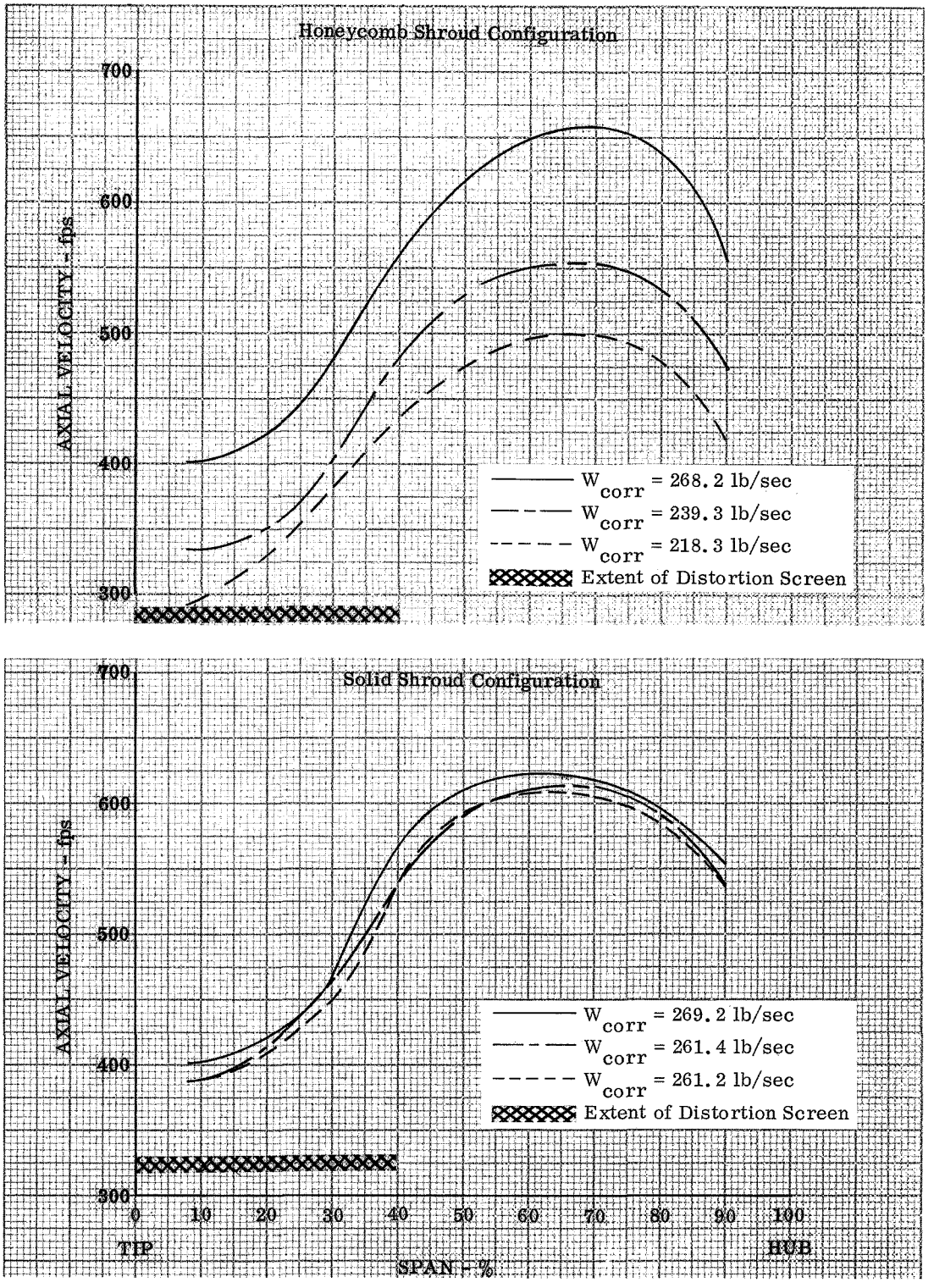


Figure 4. Rotor Inlet Axial Velocity vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83935

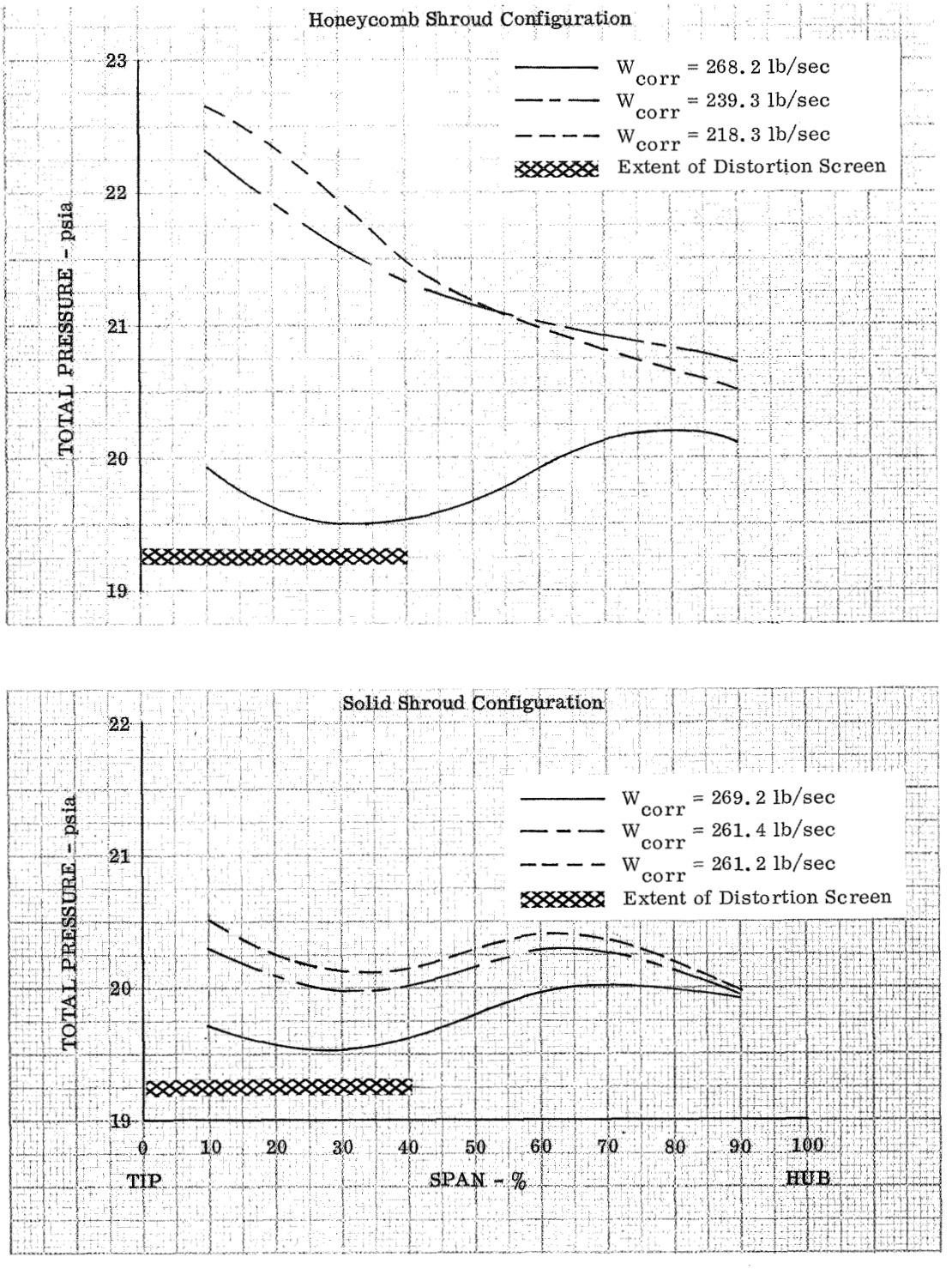


Figure 5. Stator Inlet Total Pressure vs Percent Span for the Solid DF 83936
Shroud and Honeycomb Shroud Configurations; 100%
Design Equivalent Rotor Speed; Radial Distortion

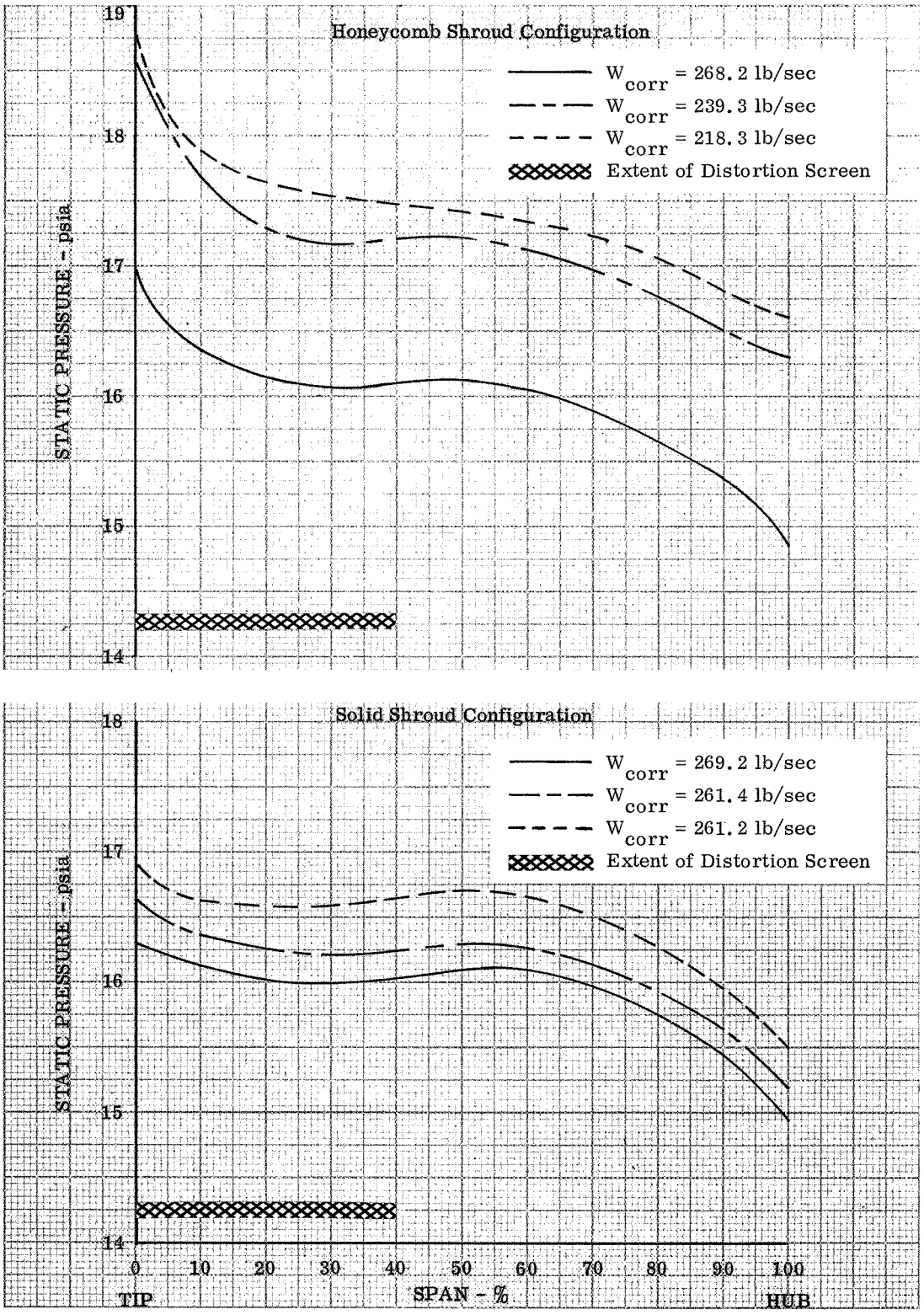


Figure 6. Stator Inlet Static Pressure vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83937

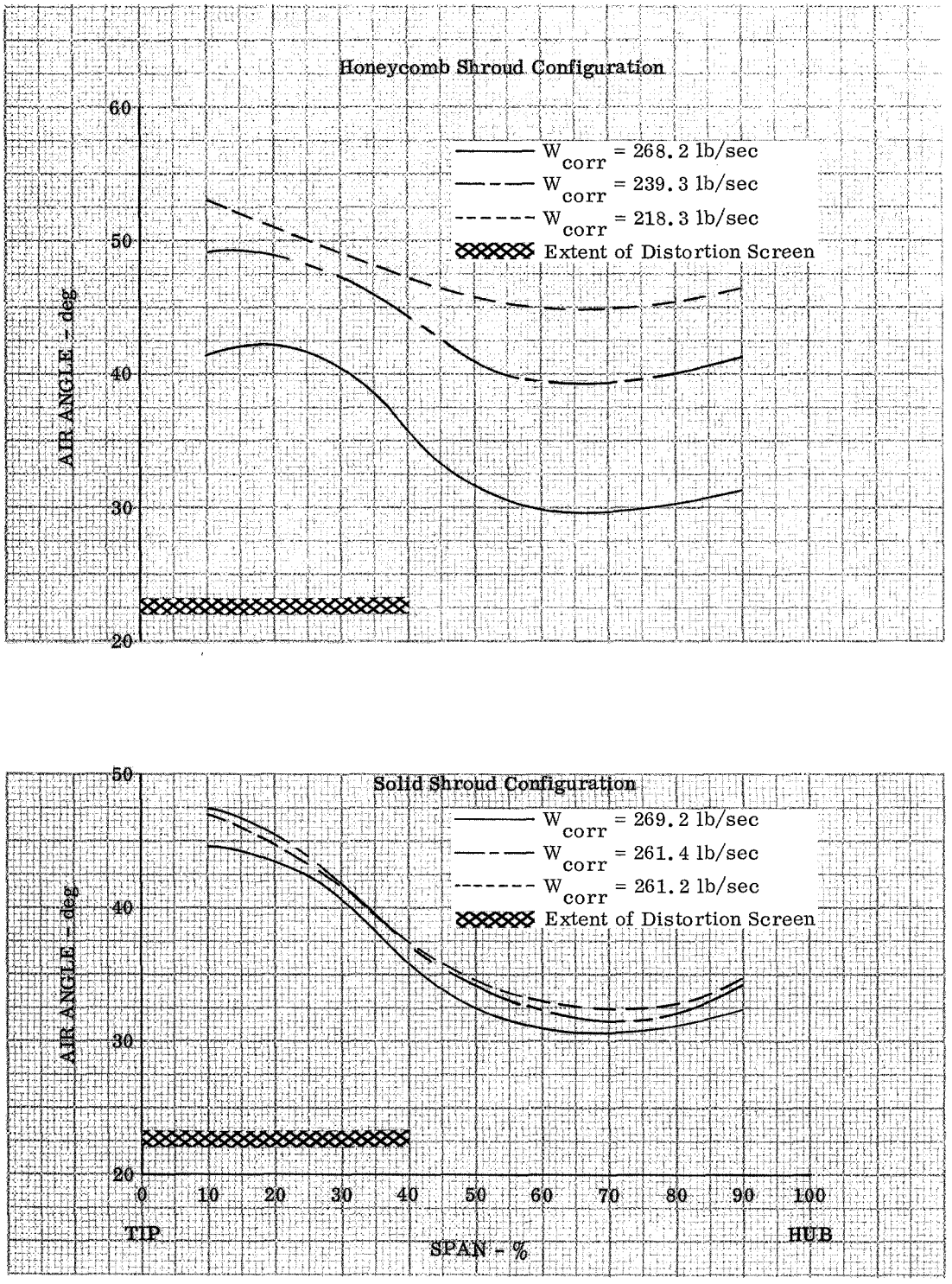


Figure 7. Stator Inlet Air Angle vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion

DF 83938

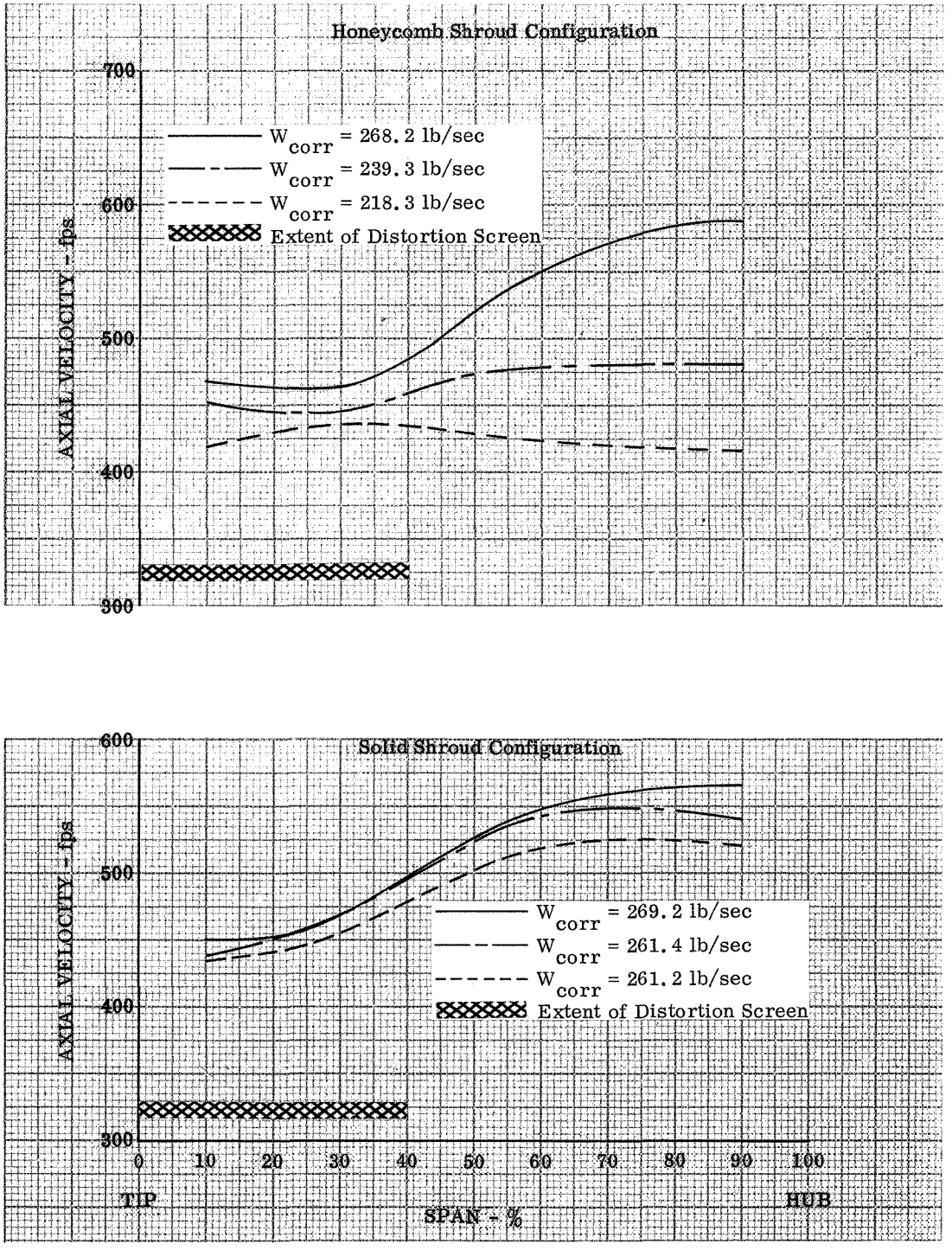


Figure 8. Stator Inlet Axial Velocity vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83939

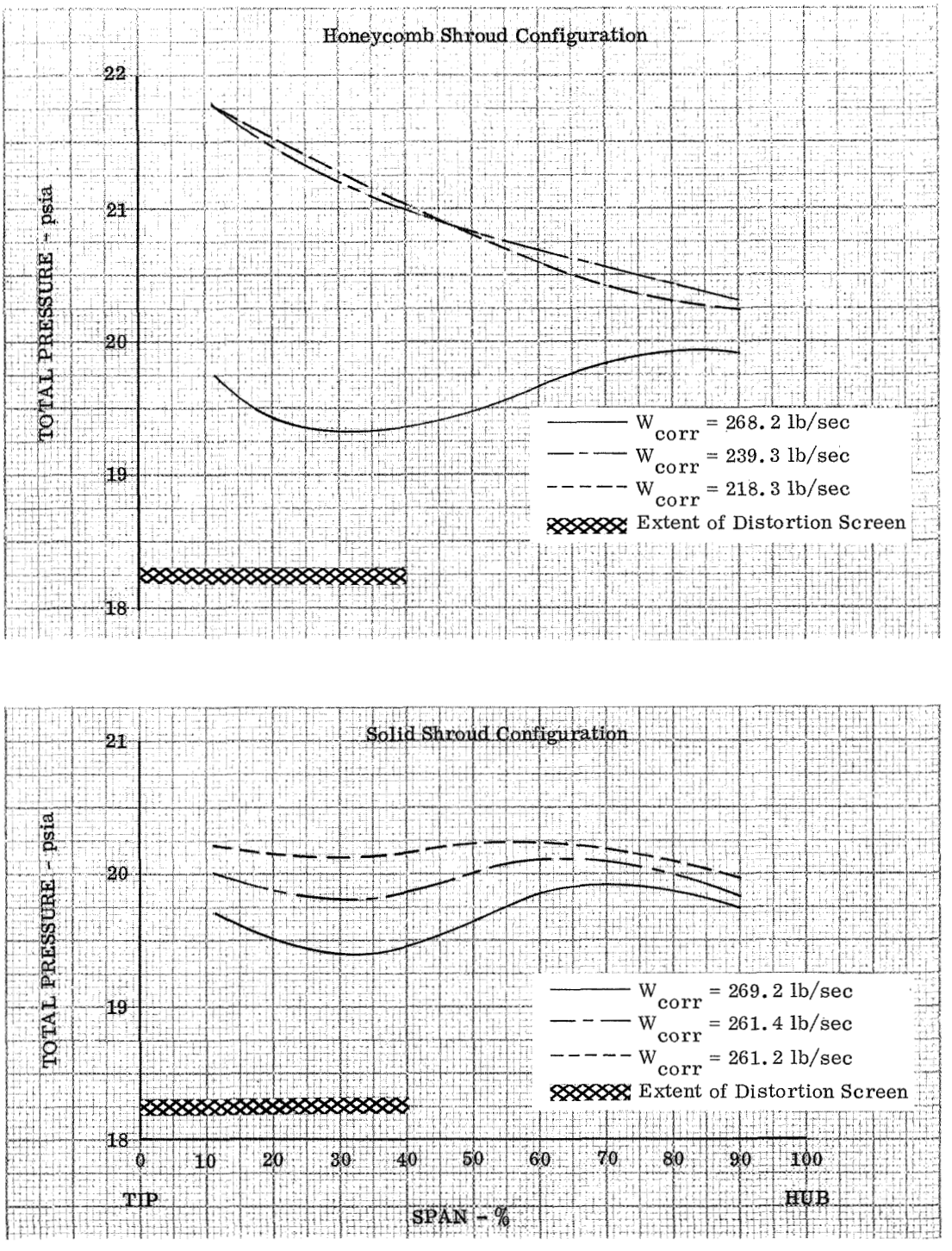


Figure 9. Stator Exit Total Pressure vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83940

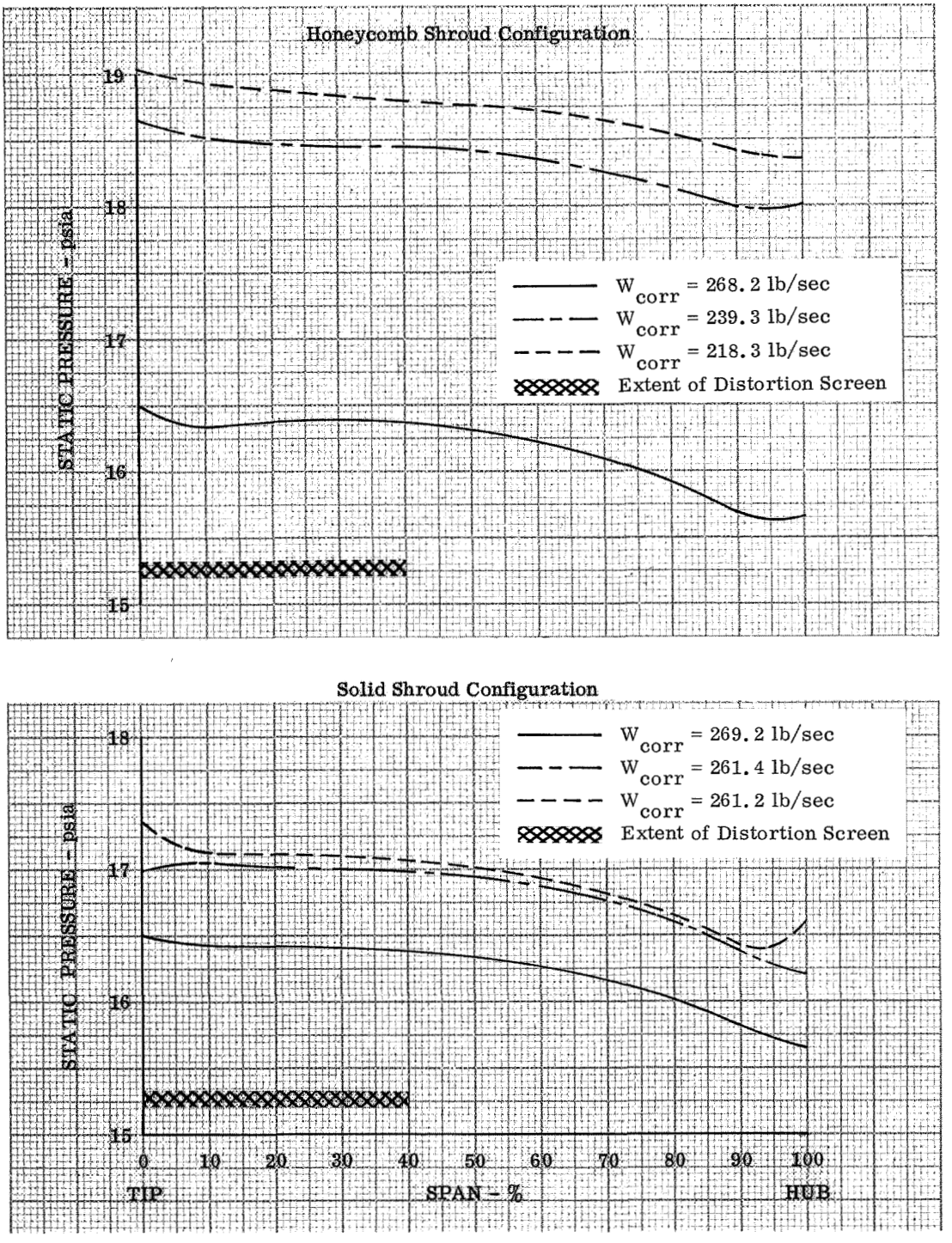


Figure 10. Stator Exit Static Pressure vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83941

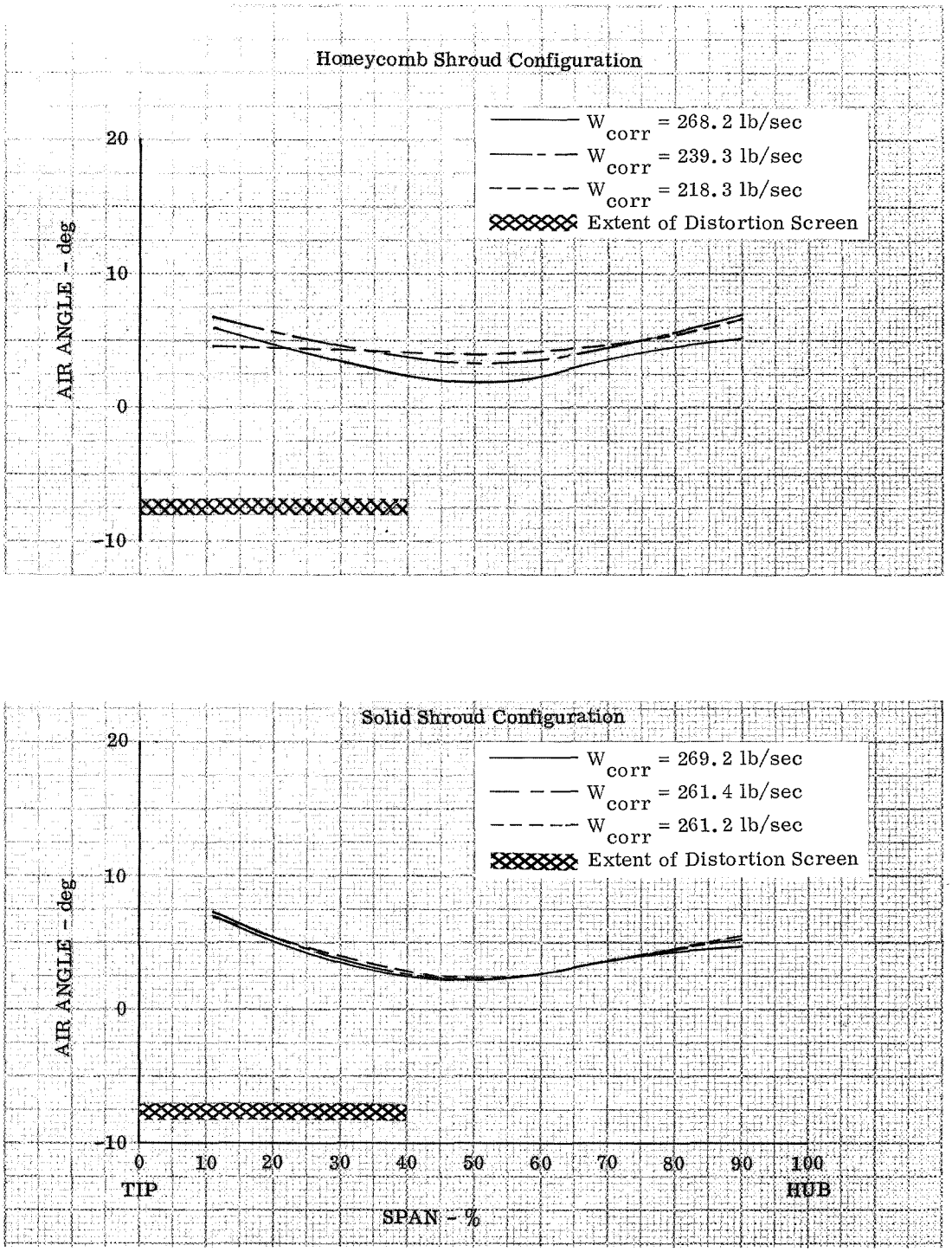


Figure 11. Stator Exit Air Angle vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83942

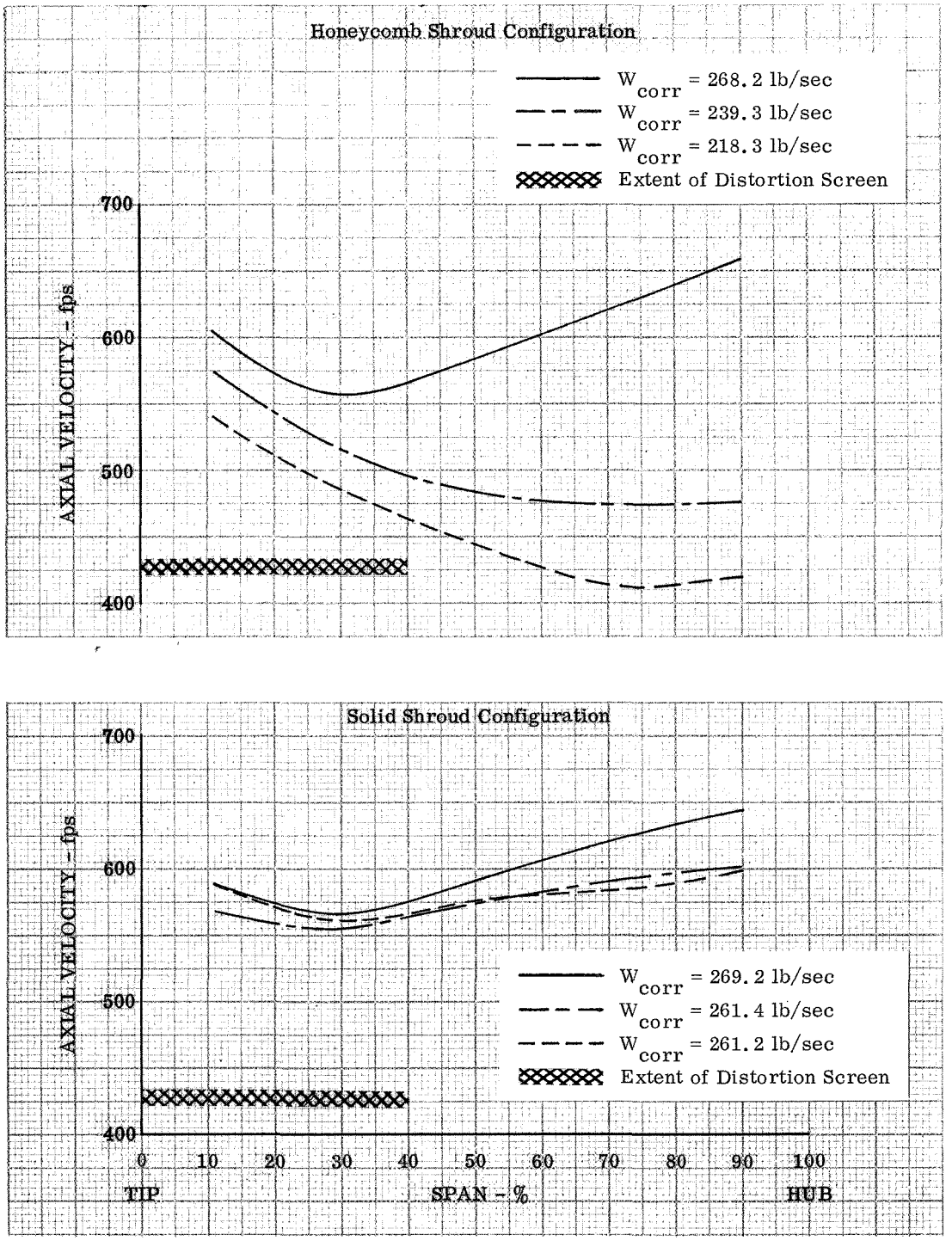


Figure 12. Stator Exit Axial Velocity vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83943

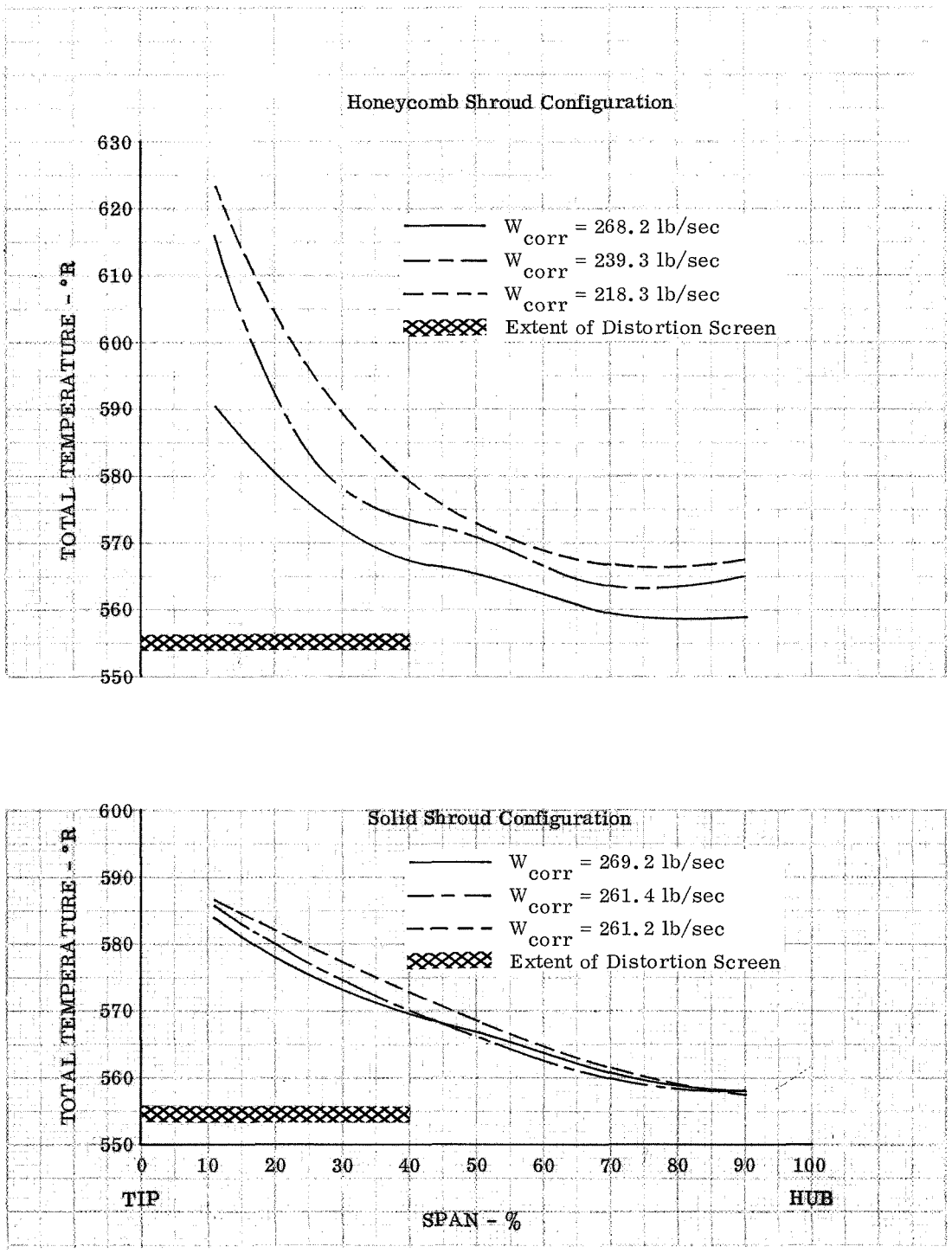


Figure 13. Stator Exit Total Temperature vs Percent Span for the Solid Shroud and Honeycomb Shroud Configurations; 100% Design Equivalent Rotor Speed; Radial Distortion DF 83944

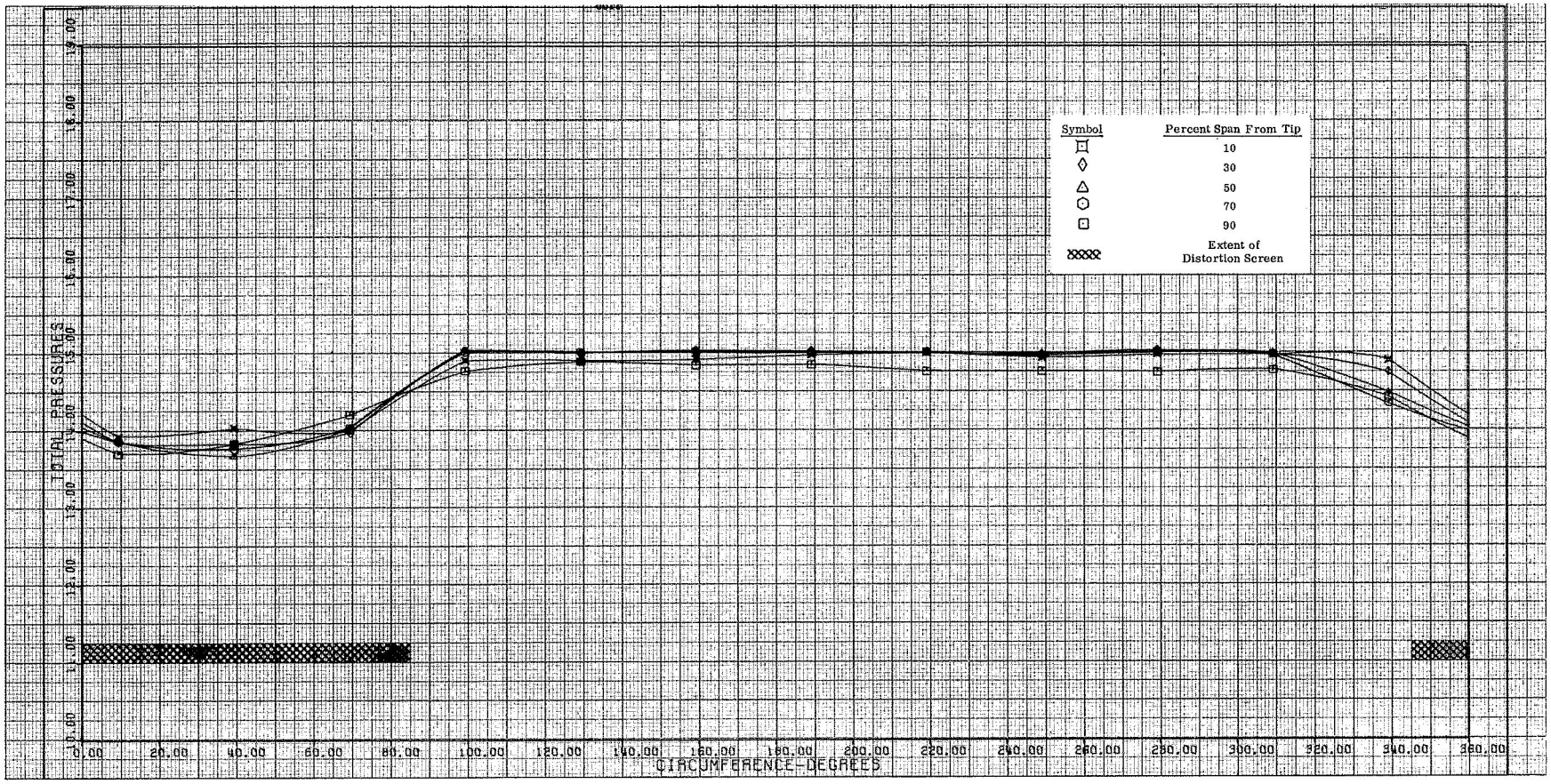


Figure 14. Rotor Inlet Total Pressure vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83945

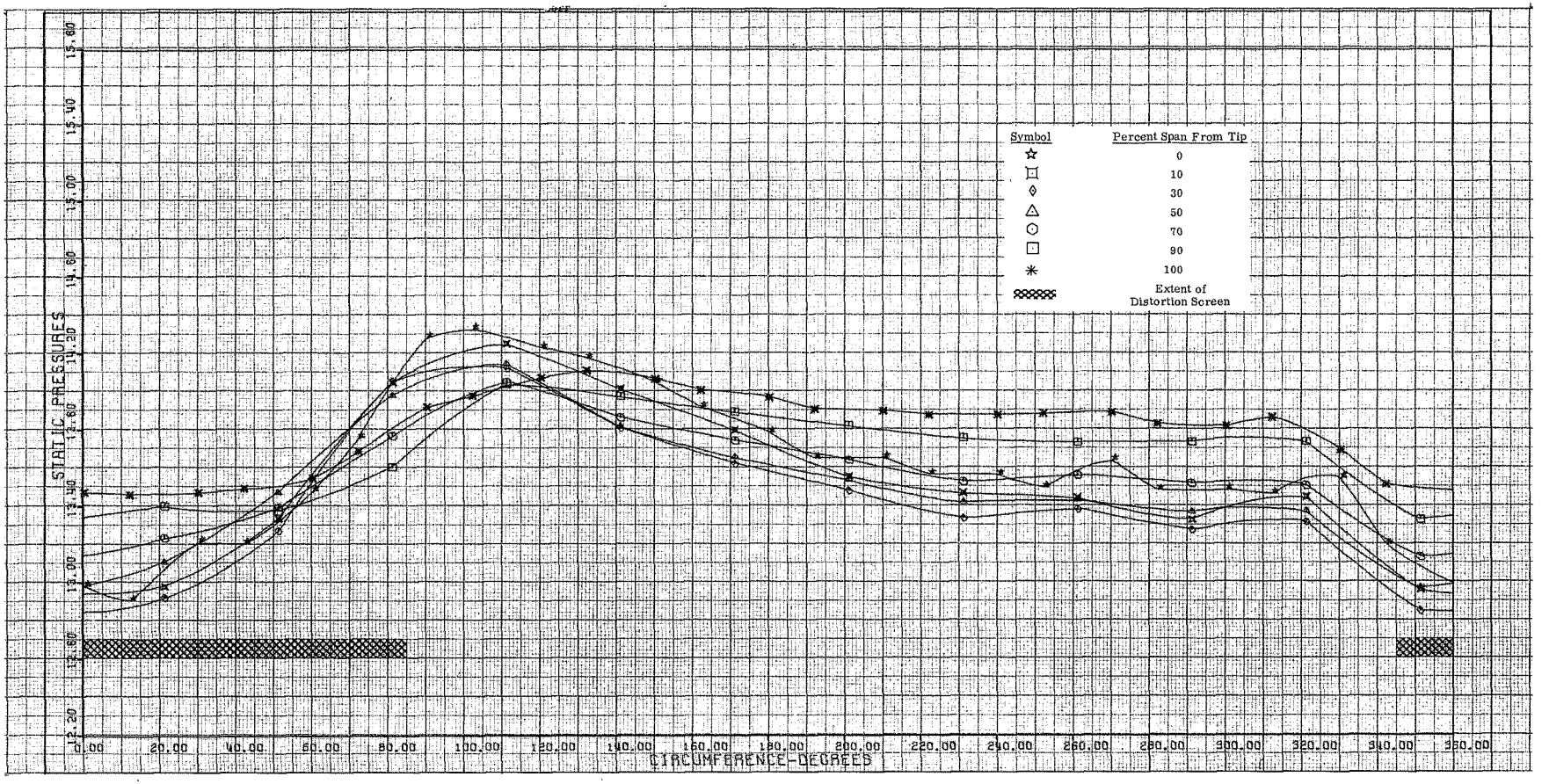


Figure 15. Rotor Inlet Static Pressure vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83946

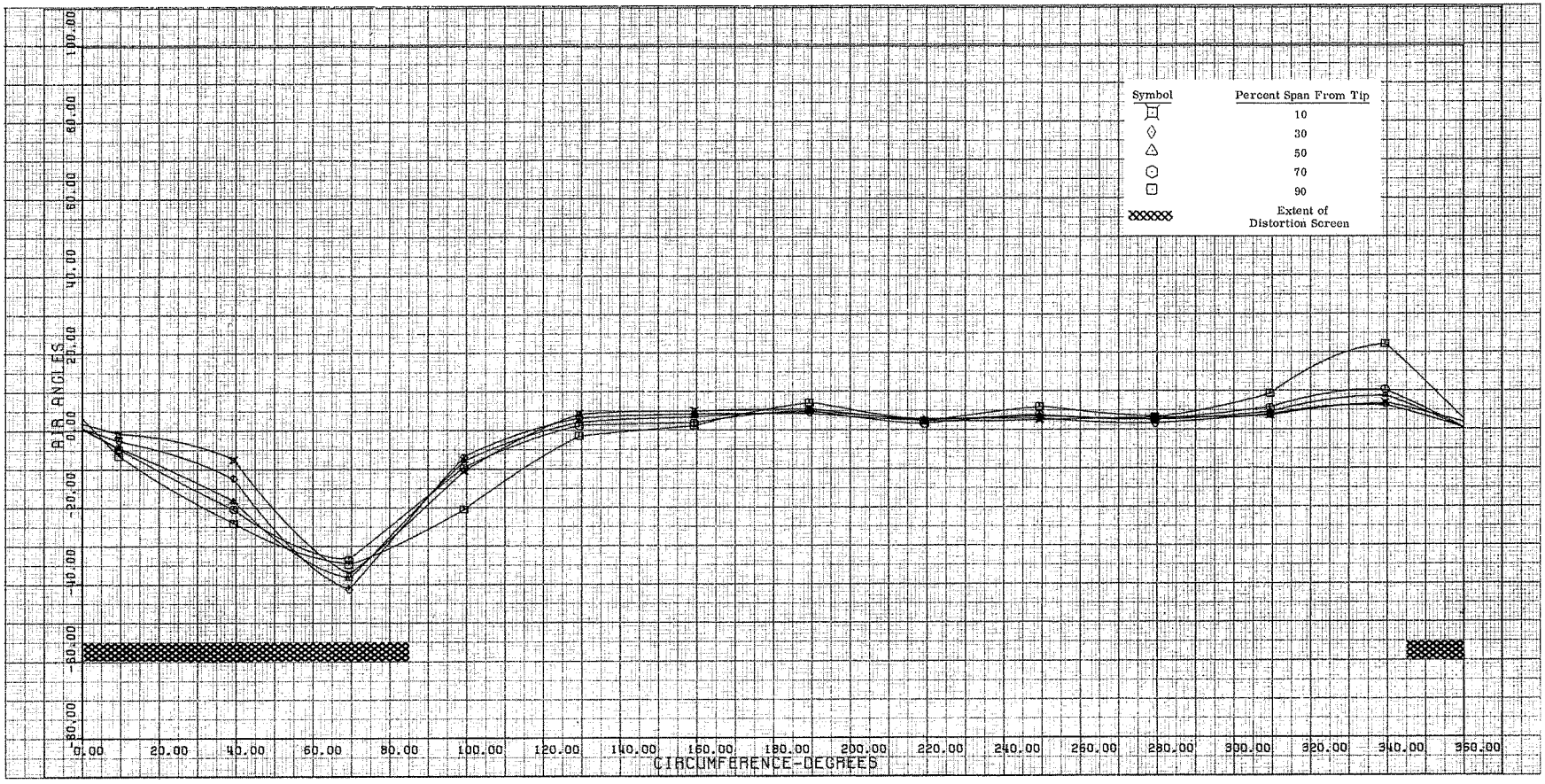


Figure 16. Rotor Inlet Air Angle vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion DF 83947

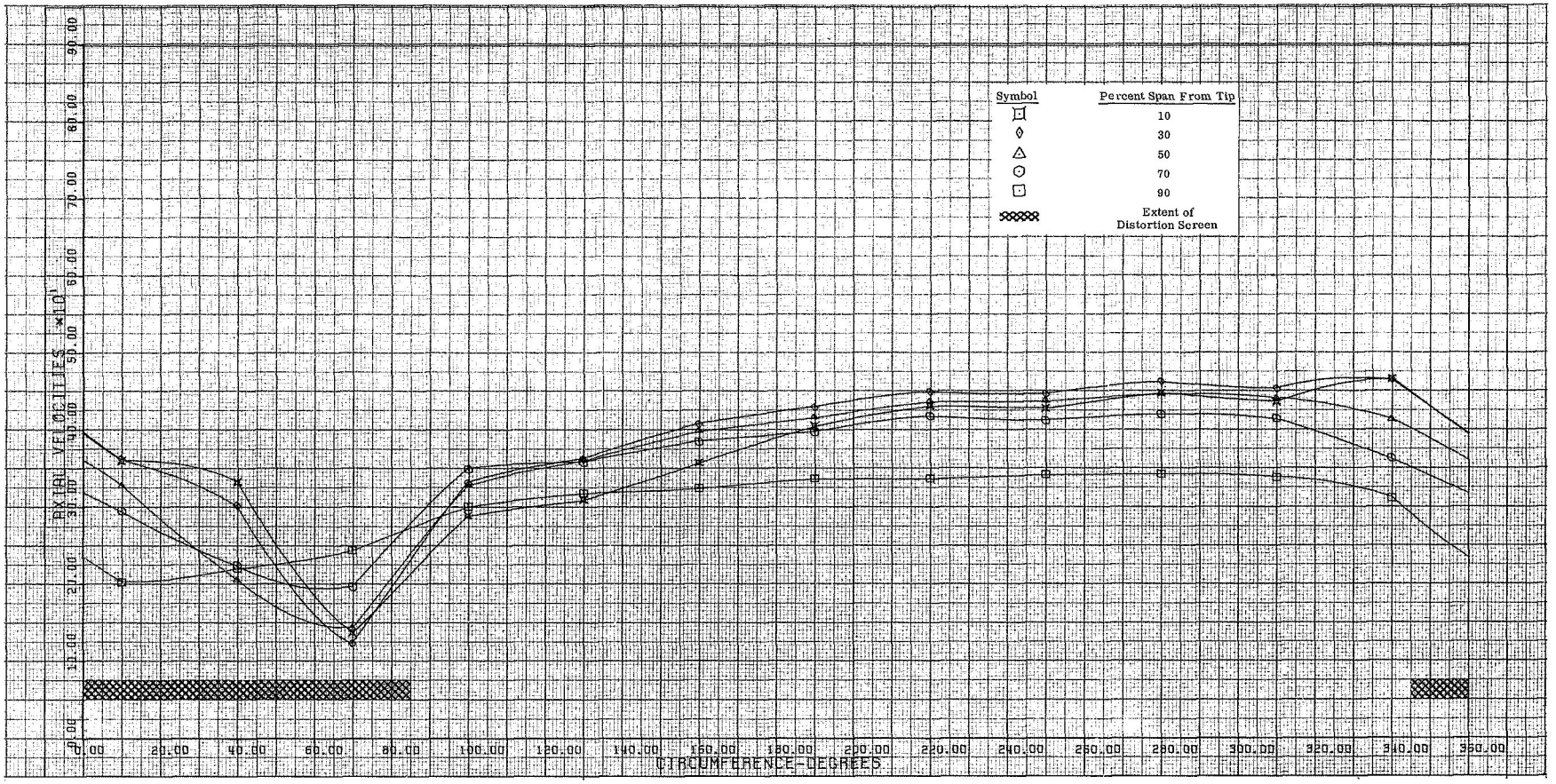


Figure 17. Rotor Inlet Axial Velocity vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83948

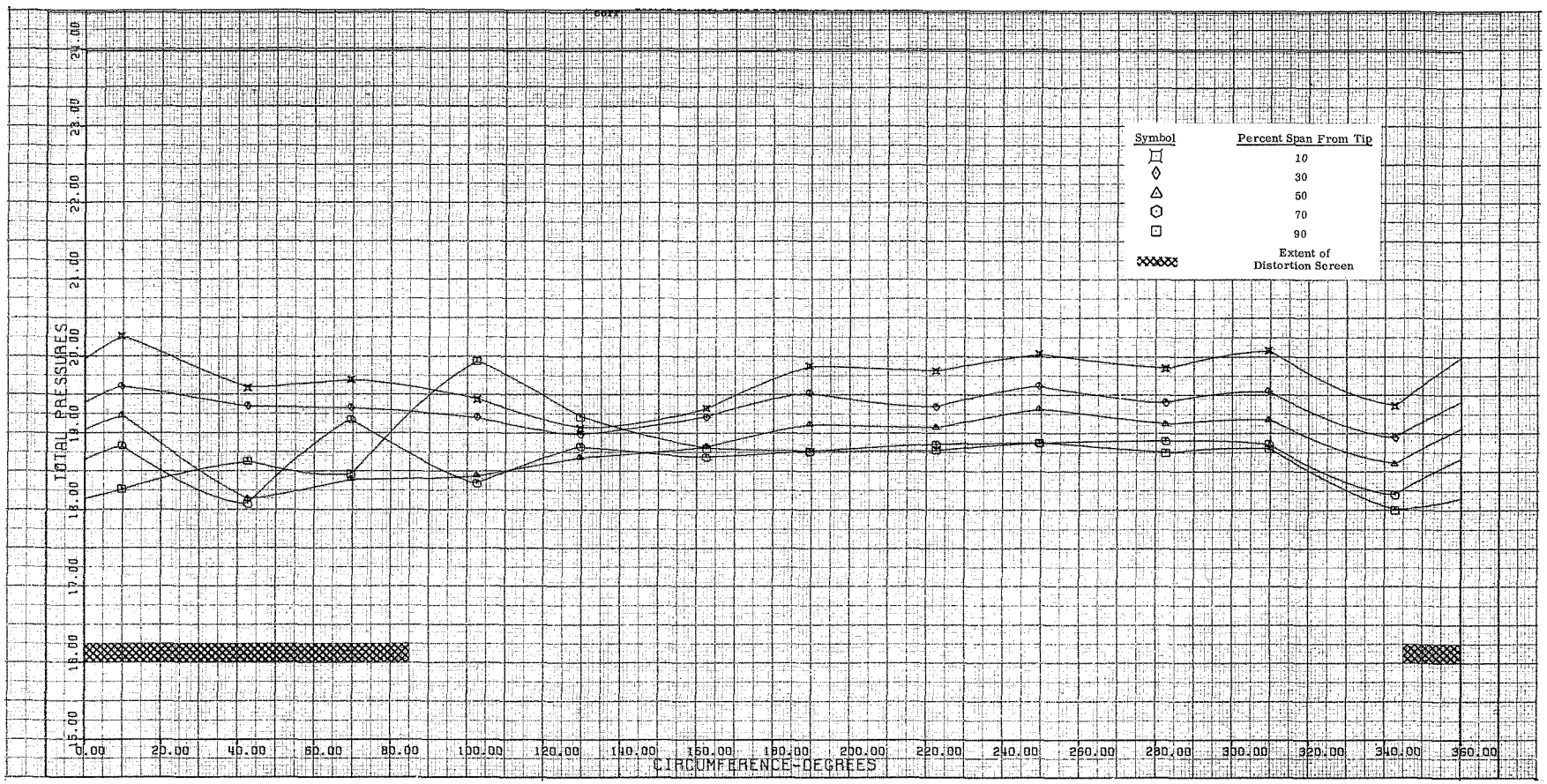


Figure 18. Stator Inlet Total Pressure vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83949

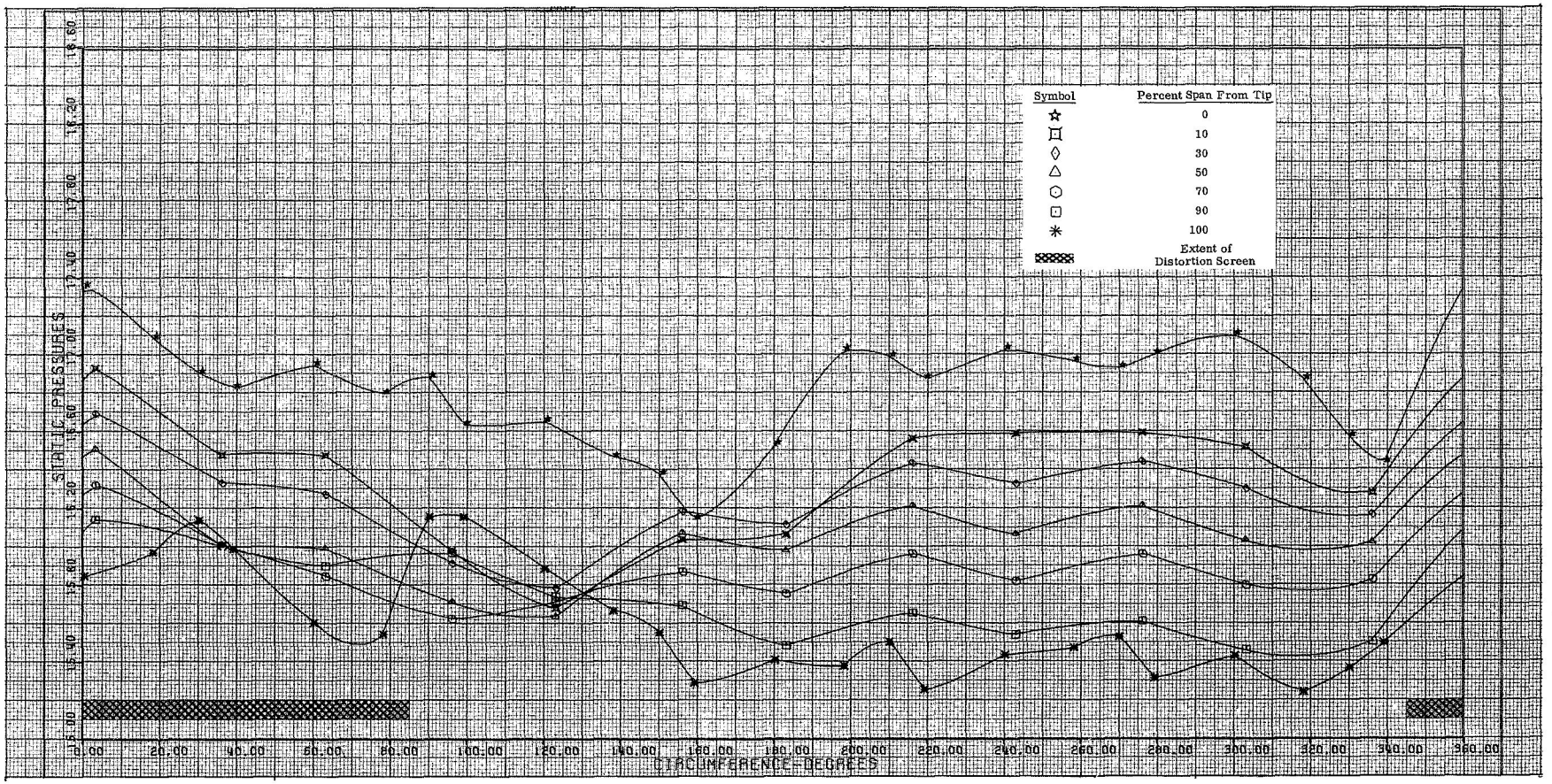


Figure 19. Stator Inlet Static Pressure vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83950

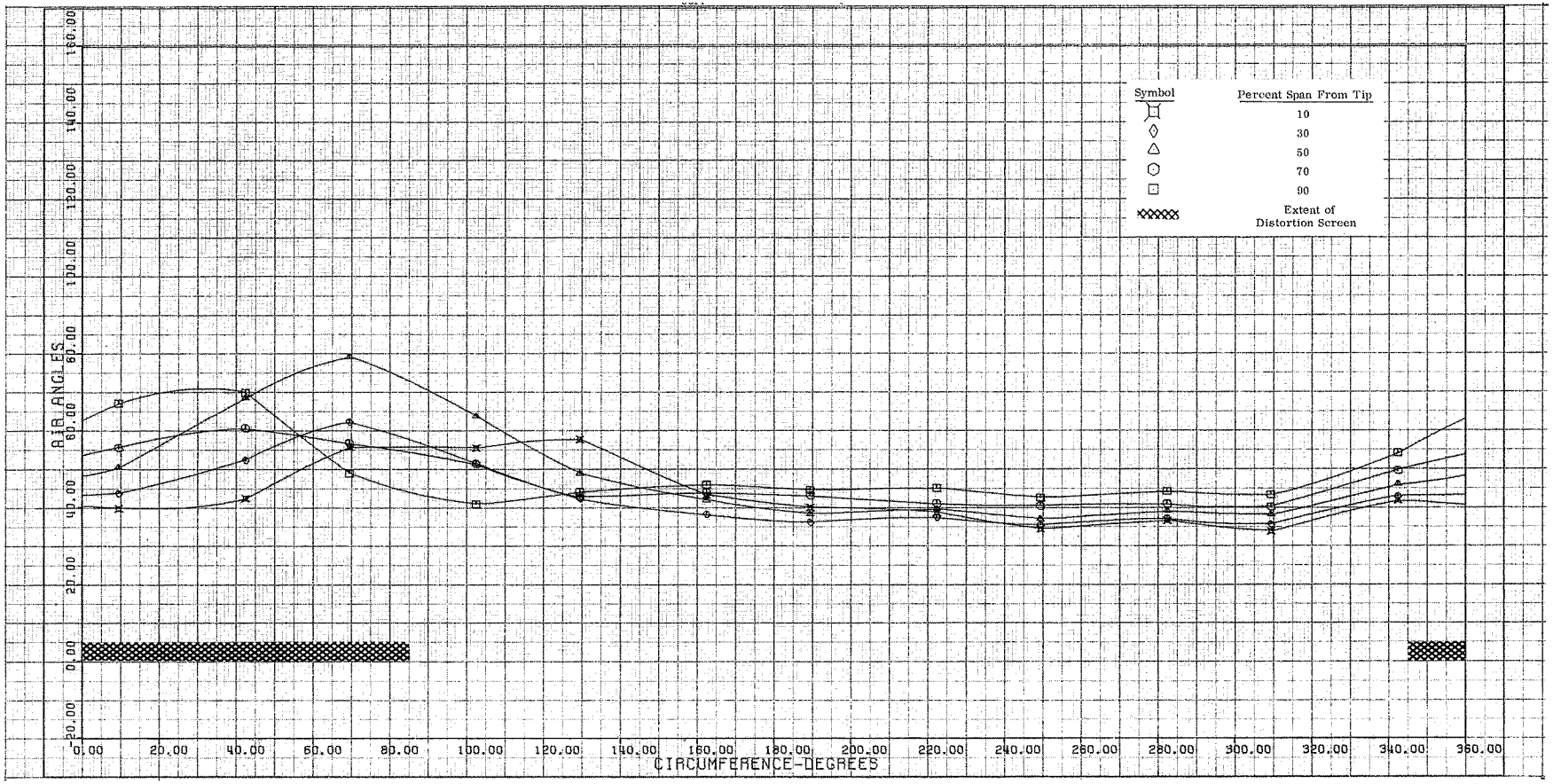


Figure 20. Stator Inlet Air Angle vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 200.13 lb/sec; Circumferential Distortion DF 83951

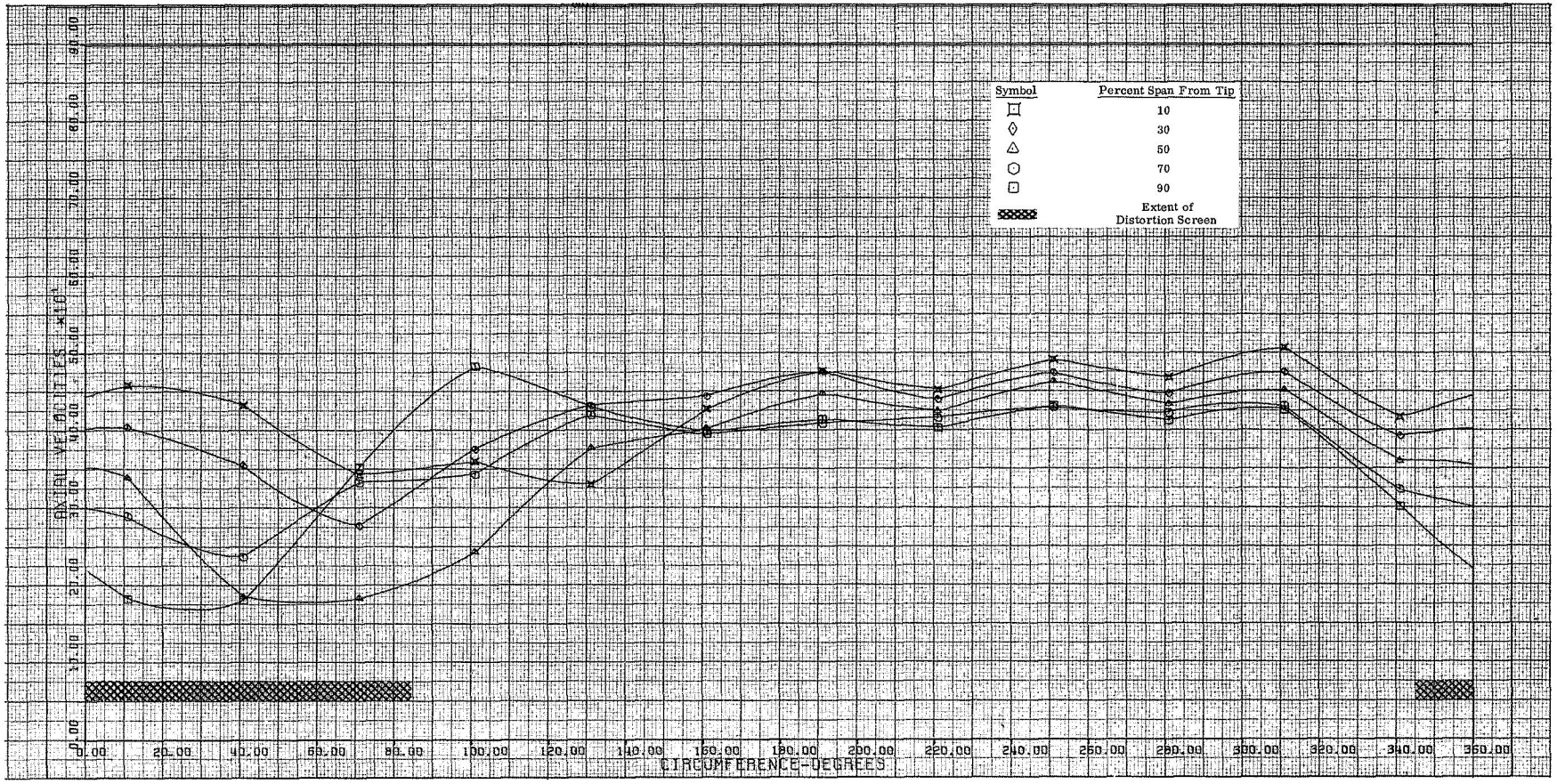


Figure 21. Stator Inlet Axial Velocity vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83952

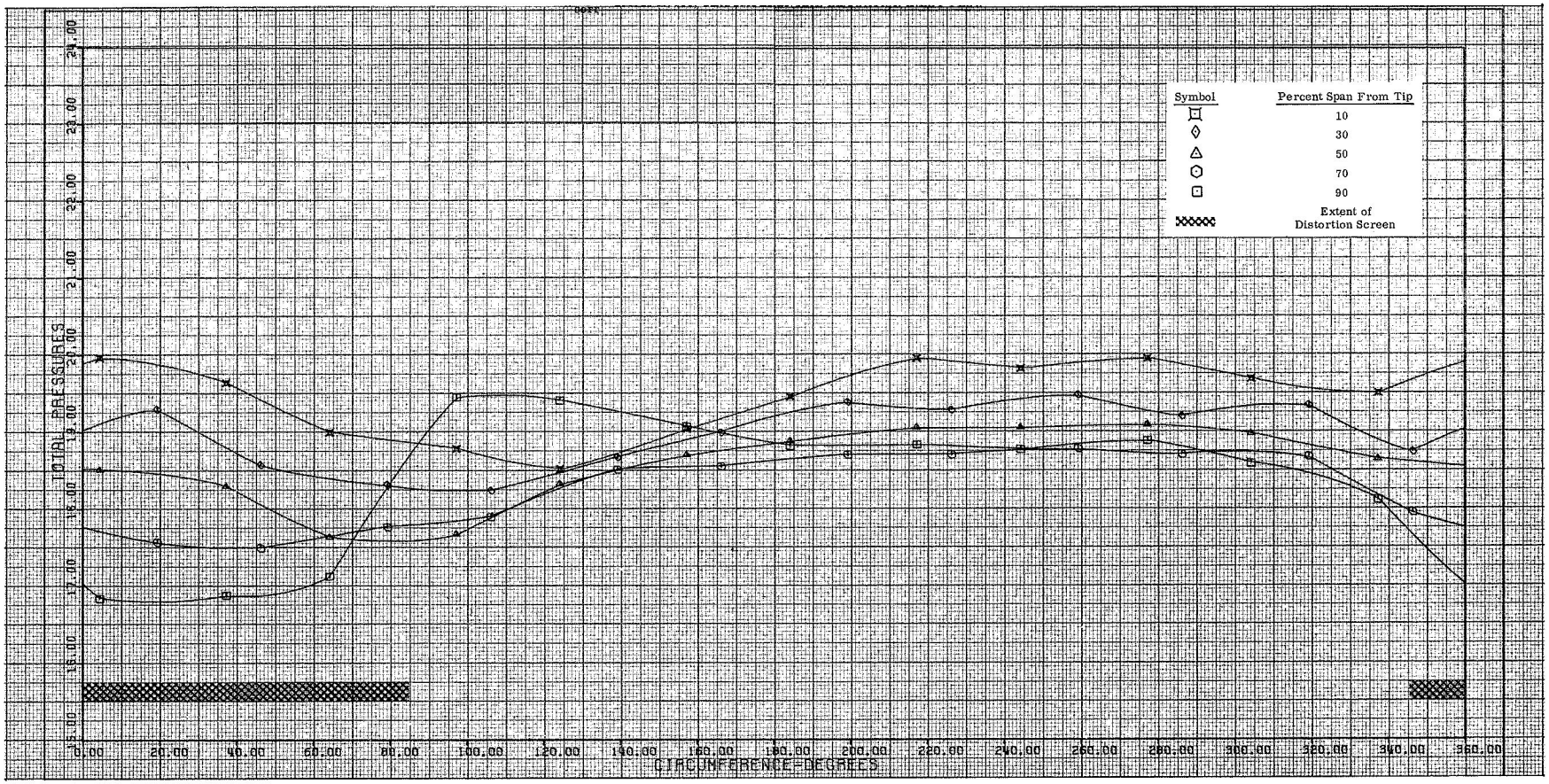


Figure 22. Stator Exit Total Pressure vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion DF 83953

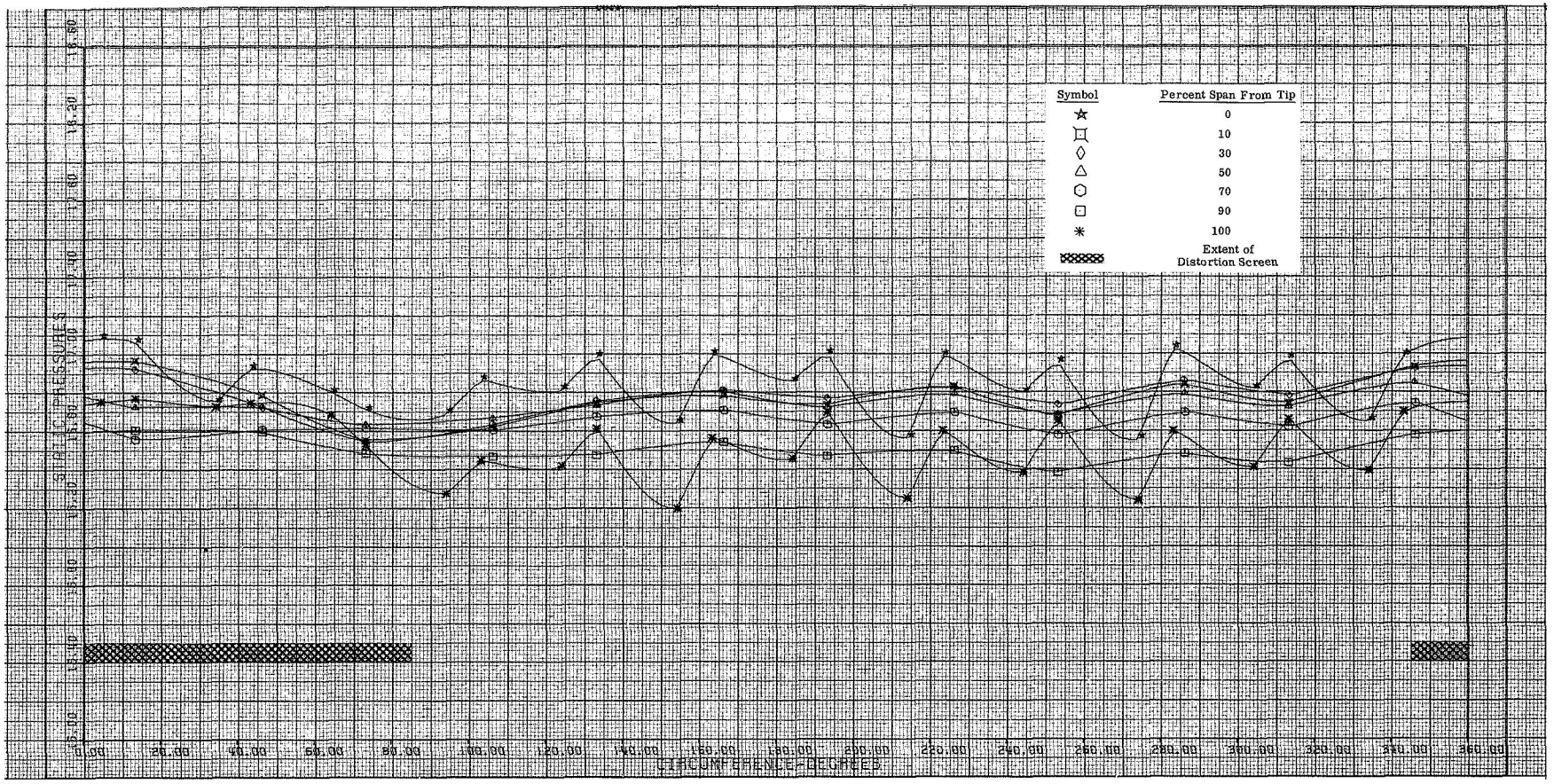


Figure 23. Stator Exit Static Pressure vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83954

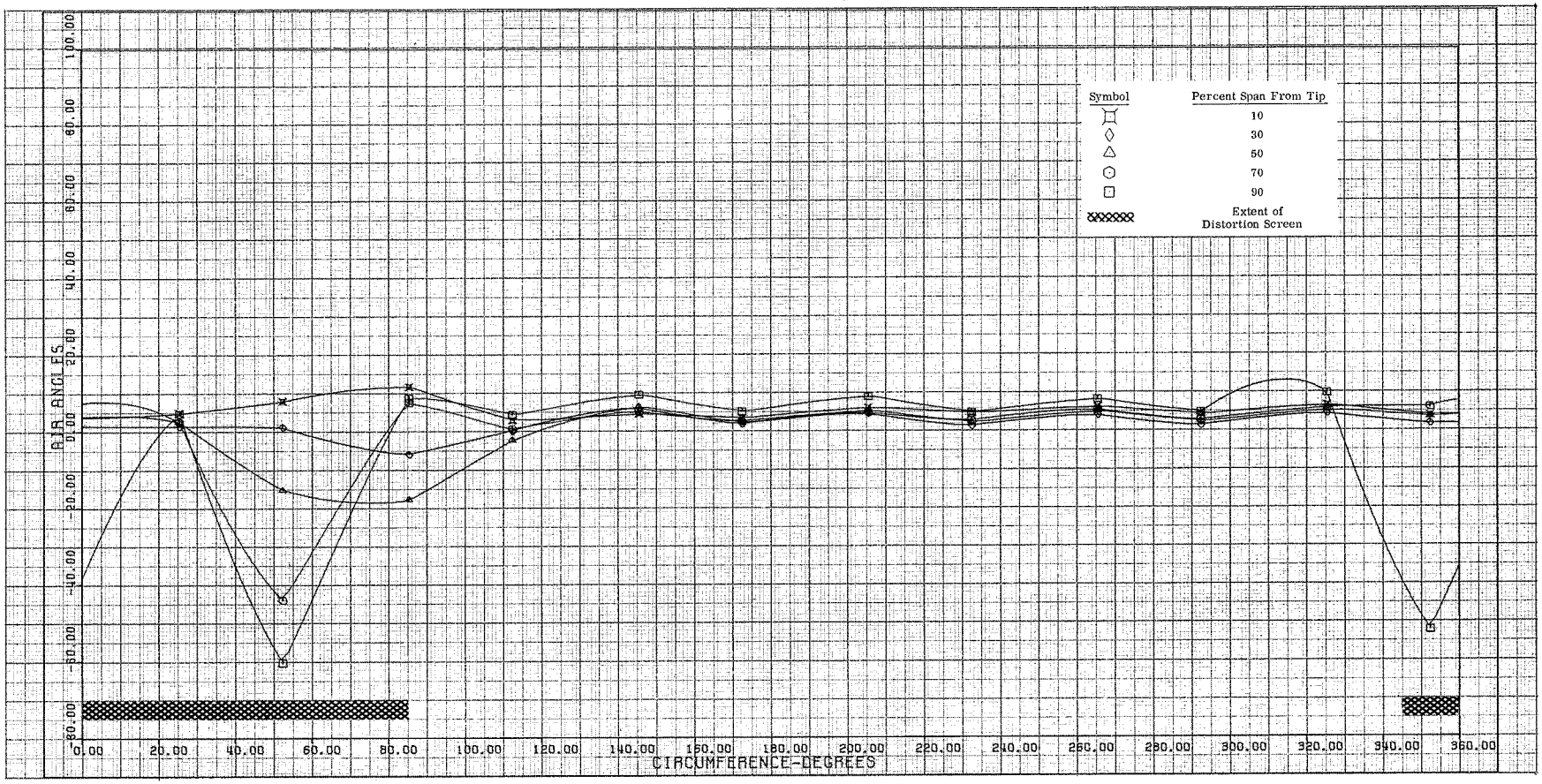


Figure 24. Stator Exit Air Angle vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83955

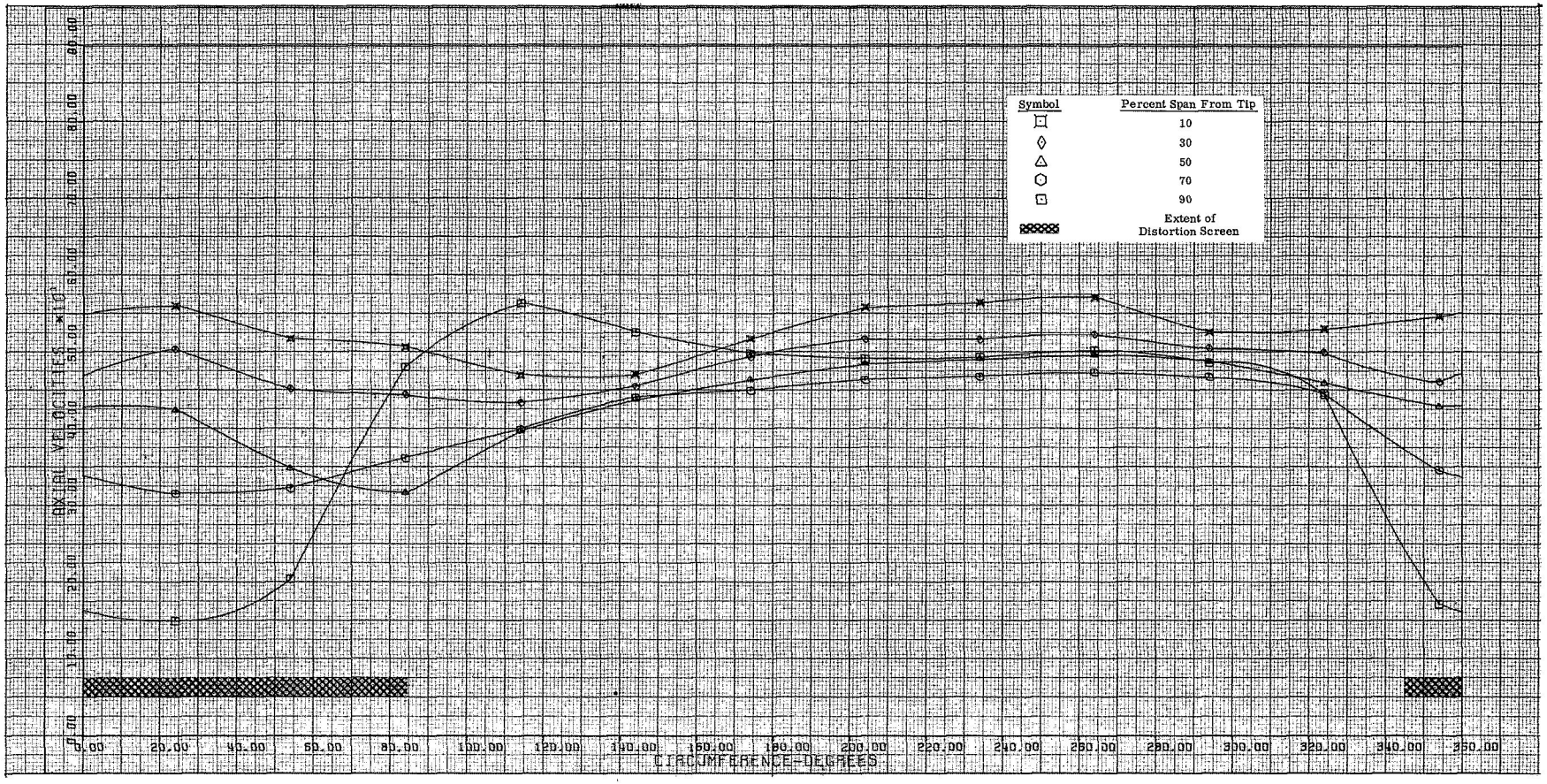


Figure 25. Stator Exit Axial Velocity vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83956

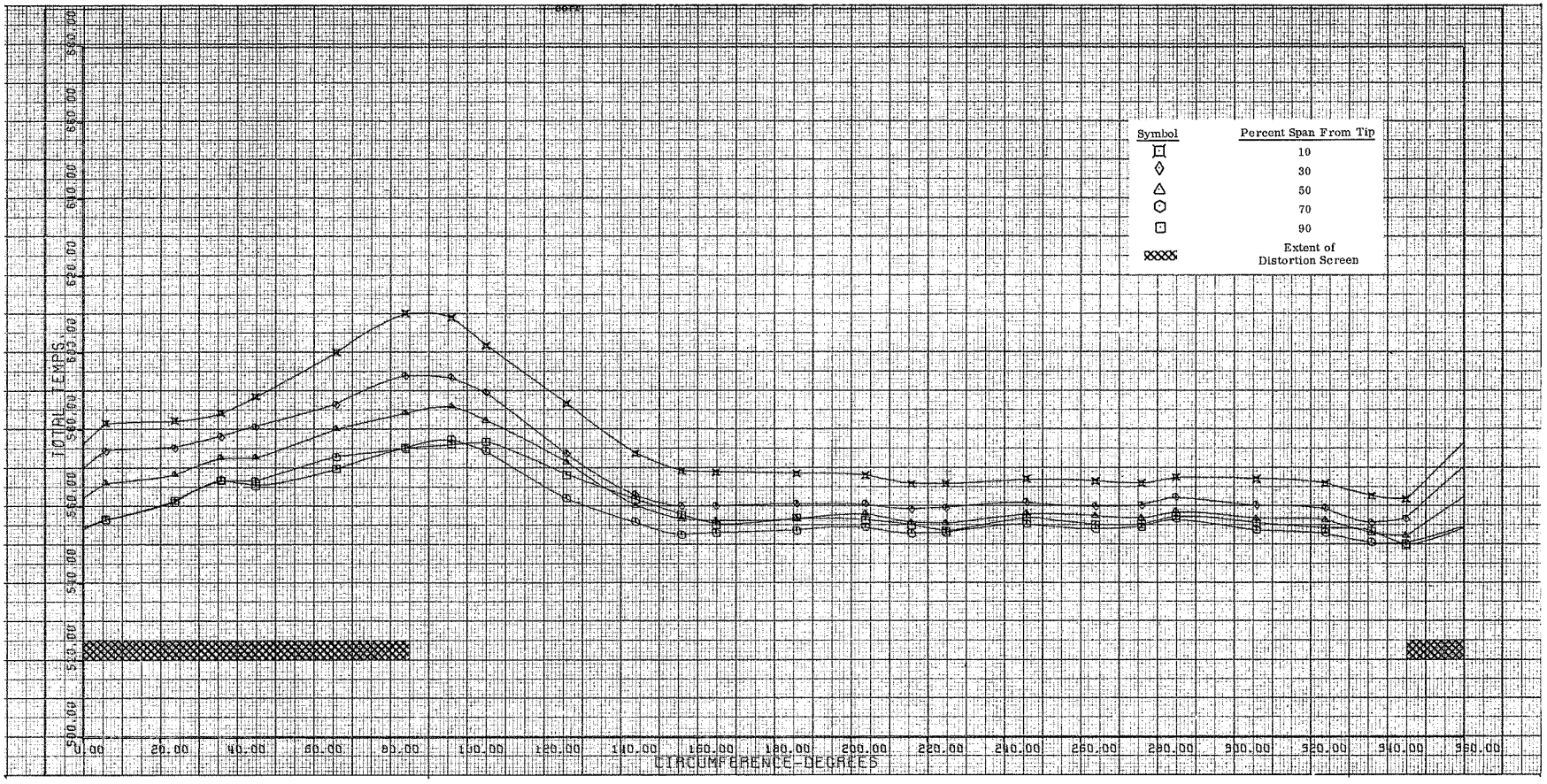


Figure 26. Stator Exit Total Temperature vs Circumference; Solid Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 200.13 lb/sec; Circumferential Distortion

DF 83957

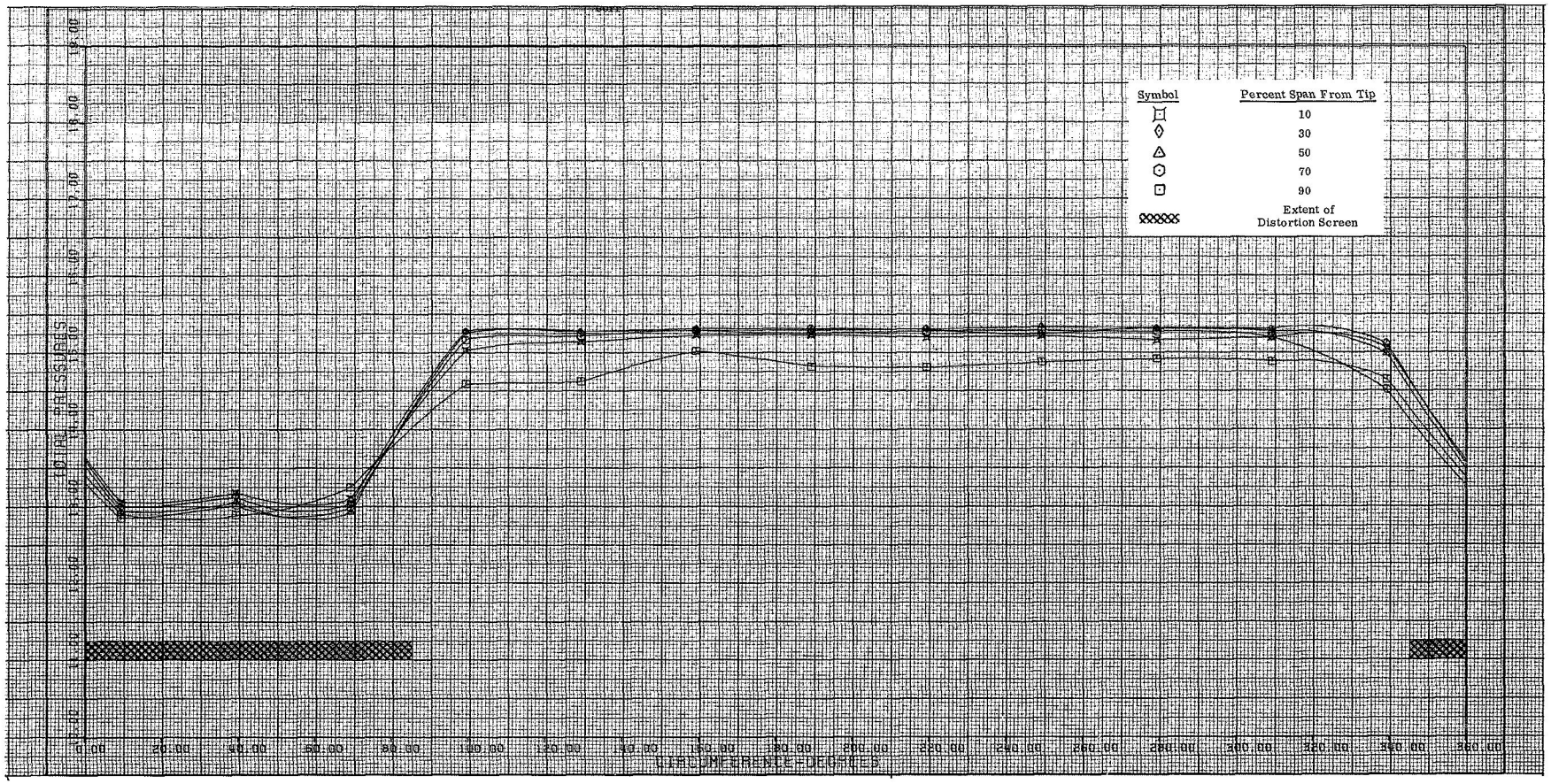


Figure 27. Rotor Inlet Total Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83958

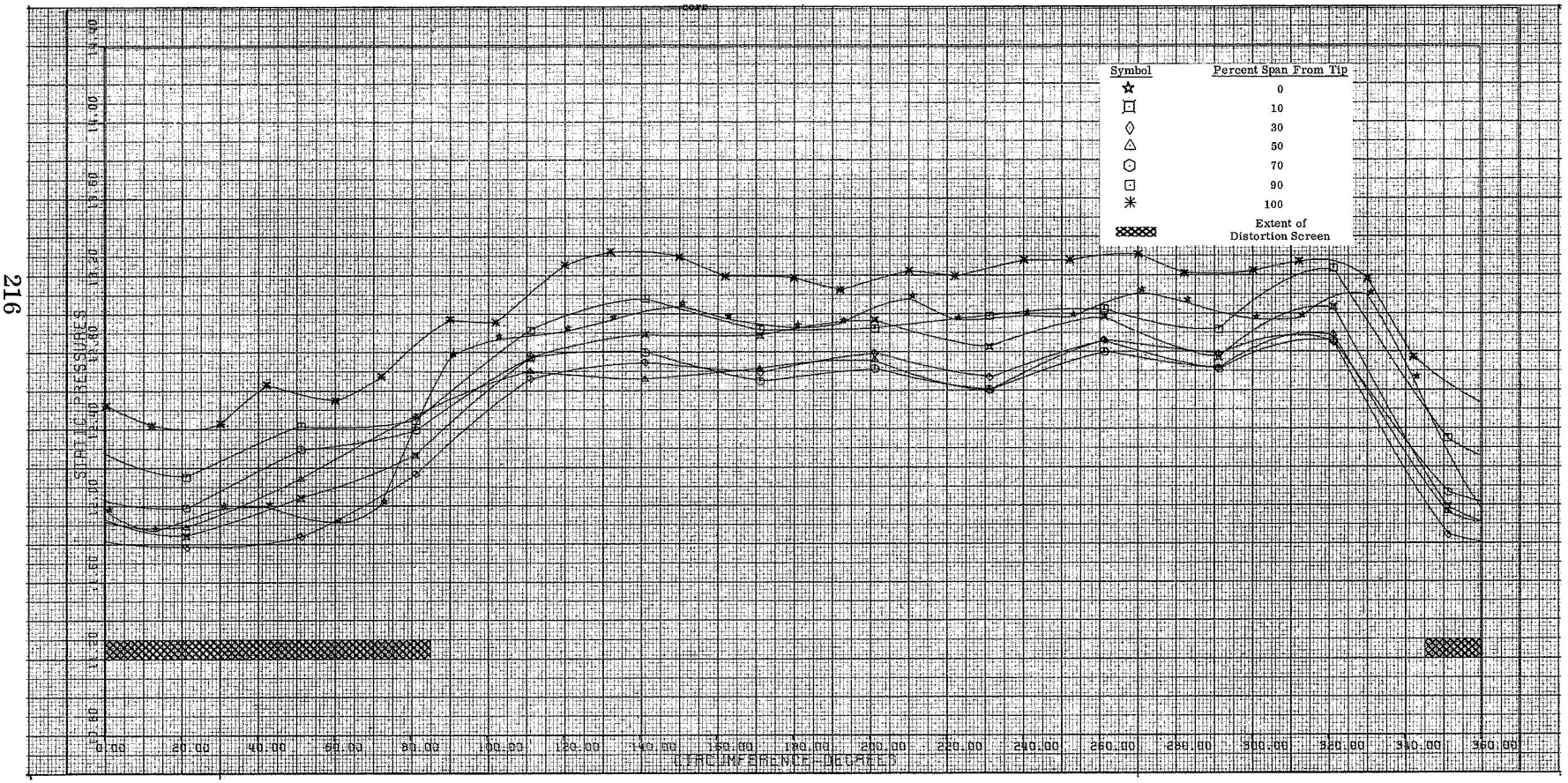


Figure 28. Rotor Inlet Static Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83959

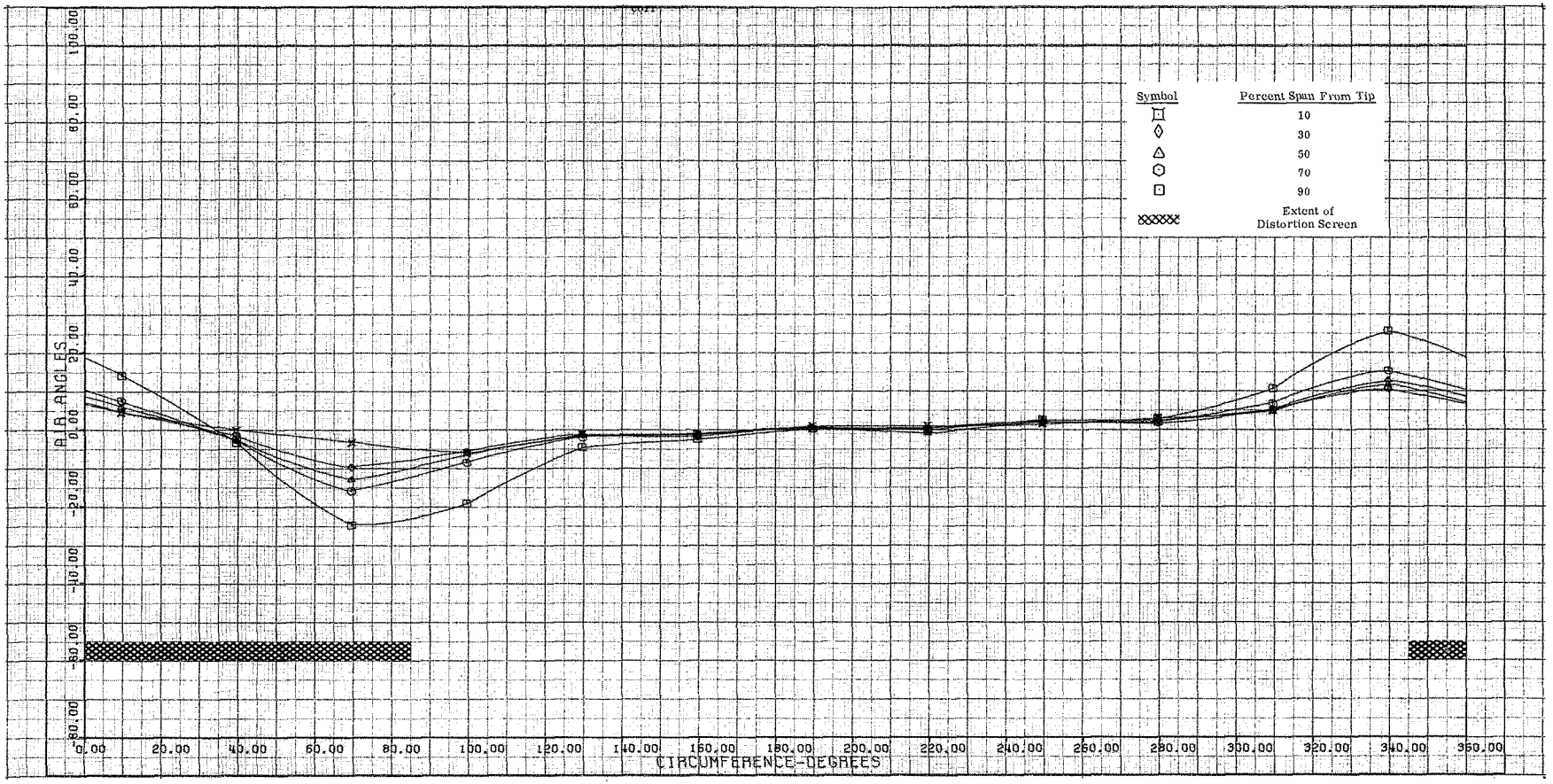


Figure 29. Rotor Inlet Air Angle vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 259.30 lb/sec; Circumferential Distortion DF 83960

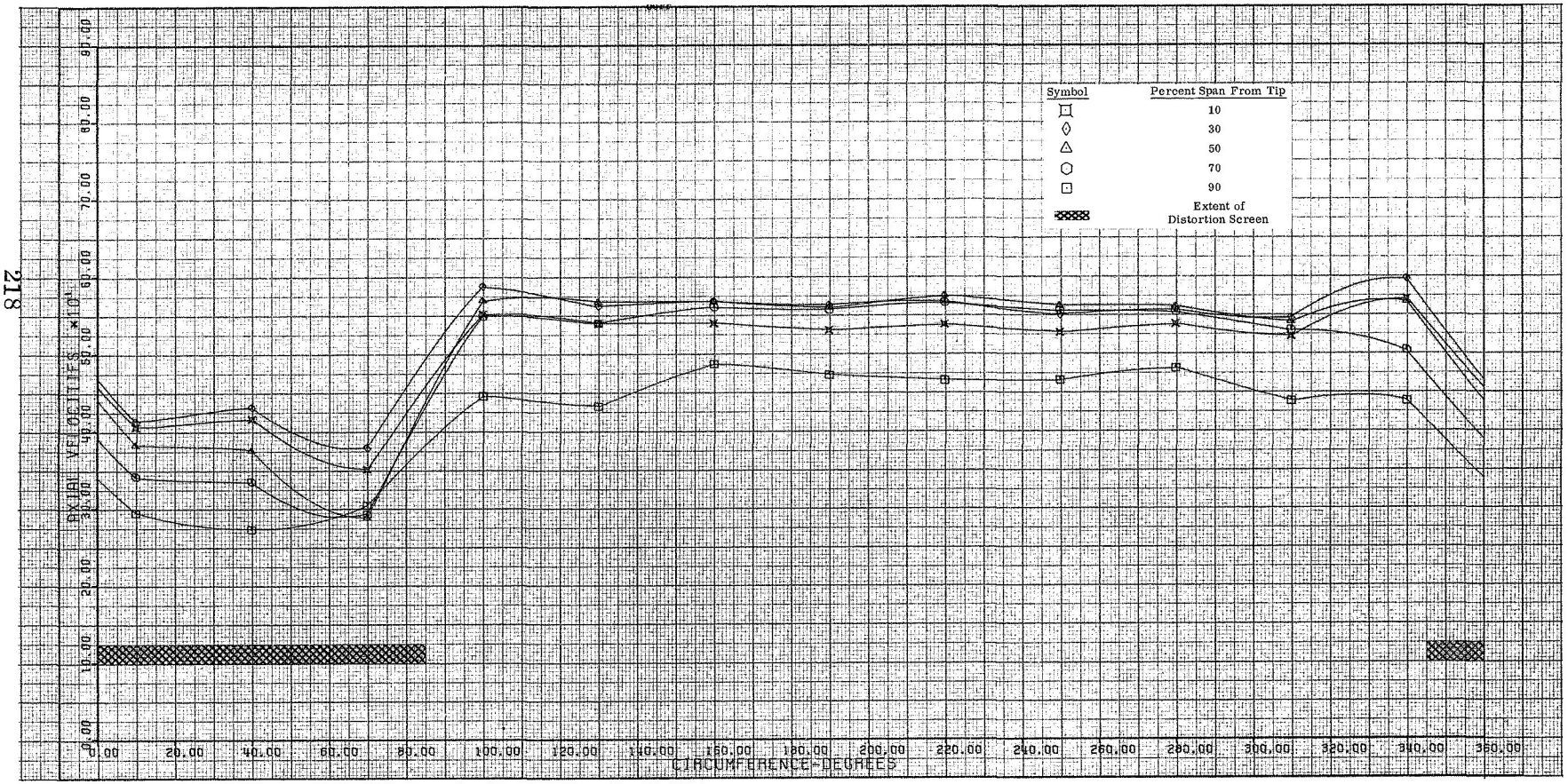


Figure 30. Rotor Inlet Axial Velocity vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83961

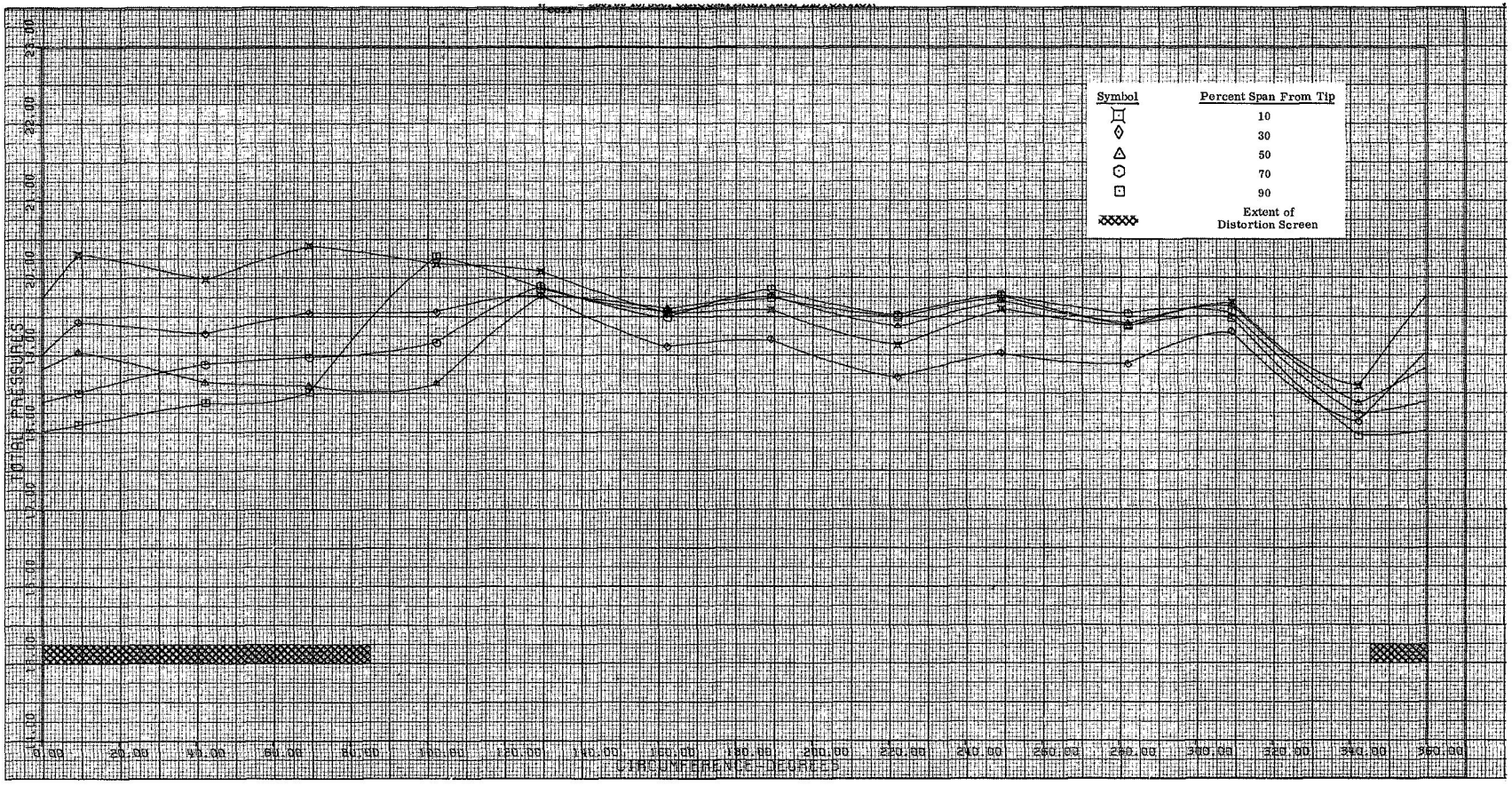


Figure 31. Stator Inlet Total Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83962

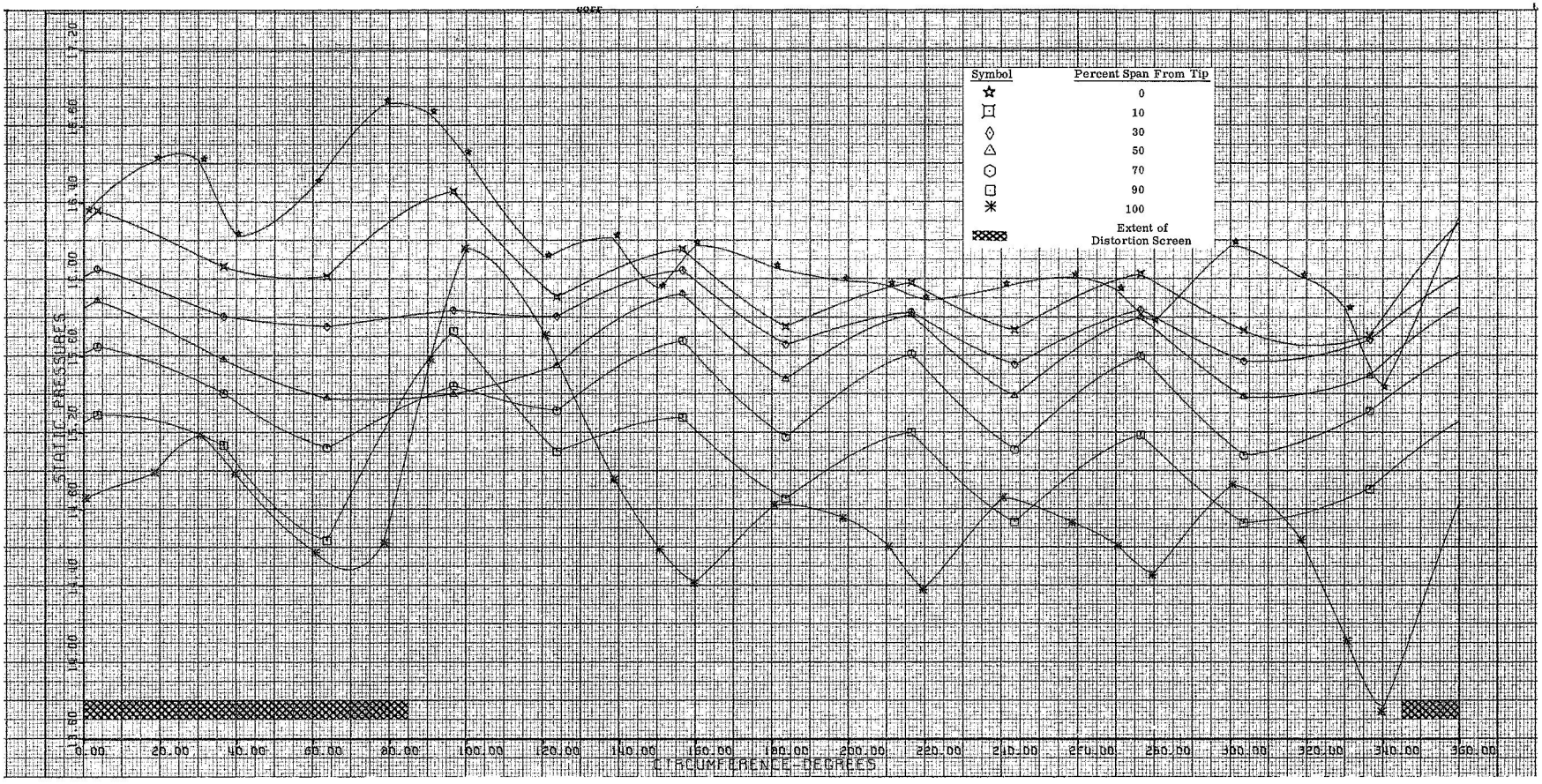


Figure 32. Stator Inlet Static Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion DF 83963

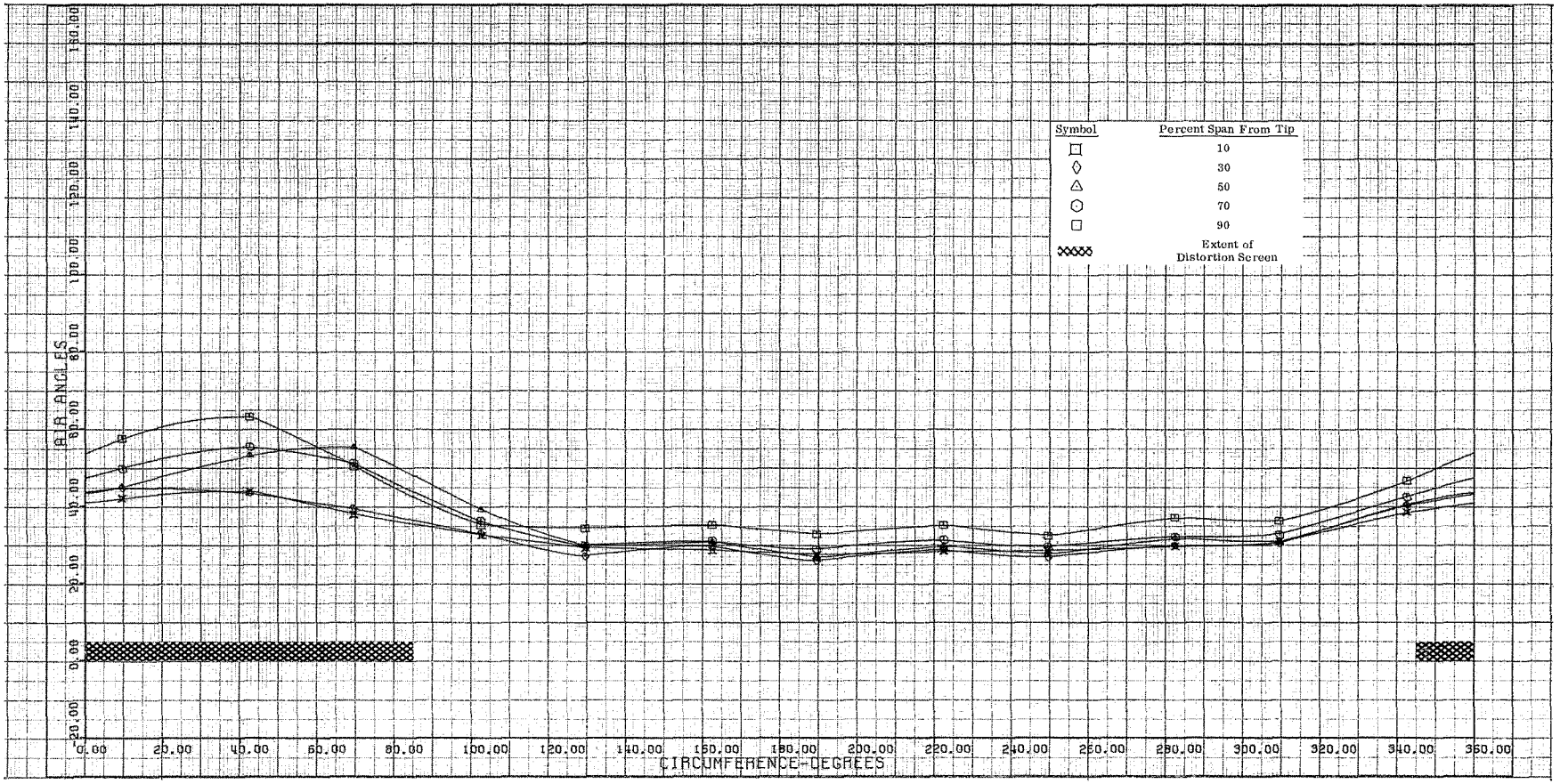


Figure 33. Stator Inlet Air Angle vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion DF 83964

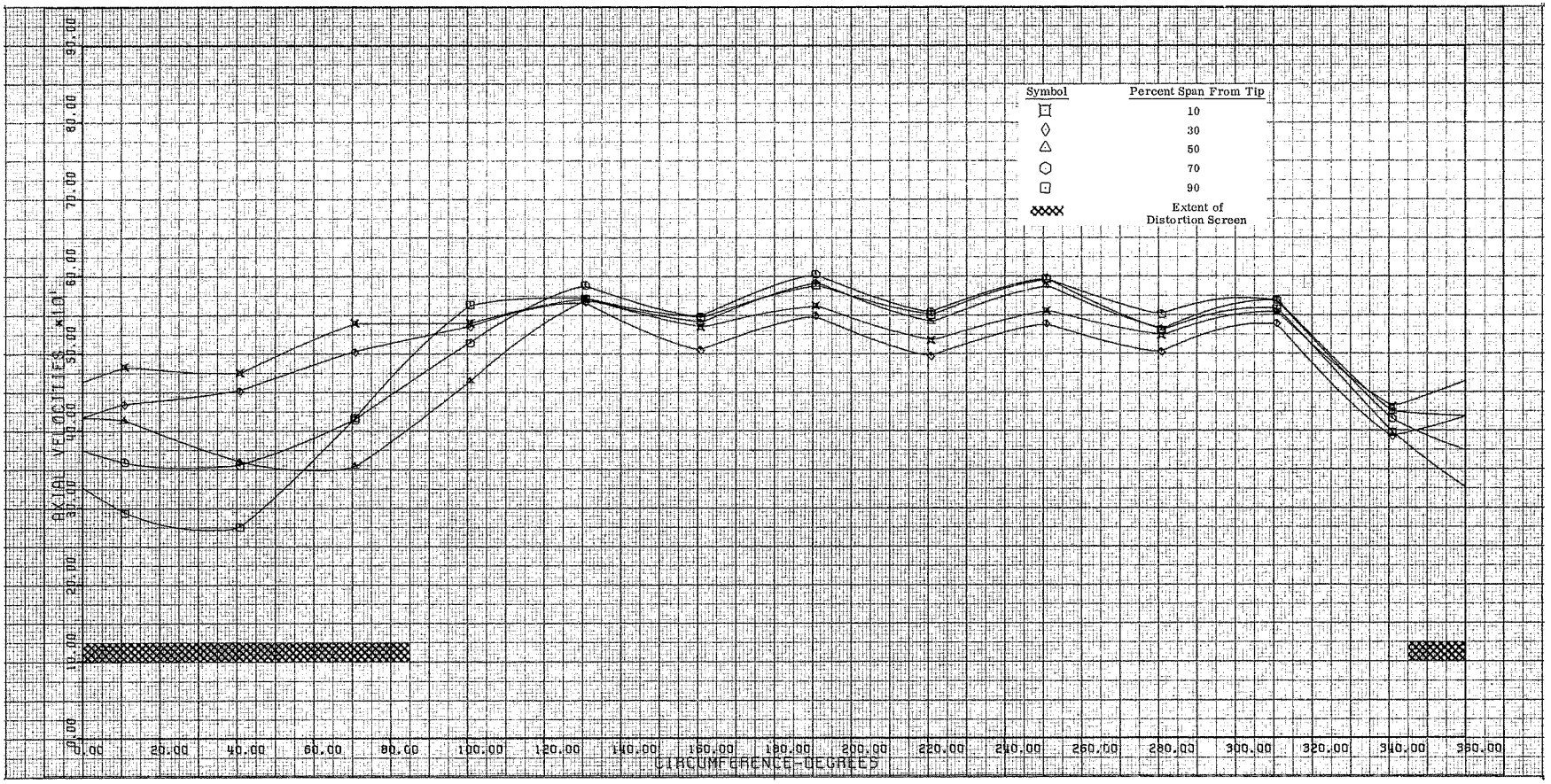


Figure 34. Stator Inlet Axial Velocity vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83965

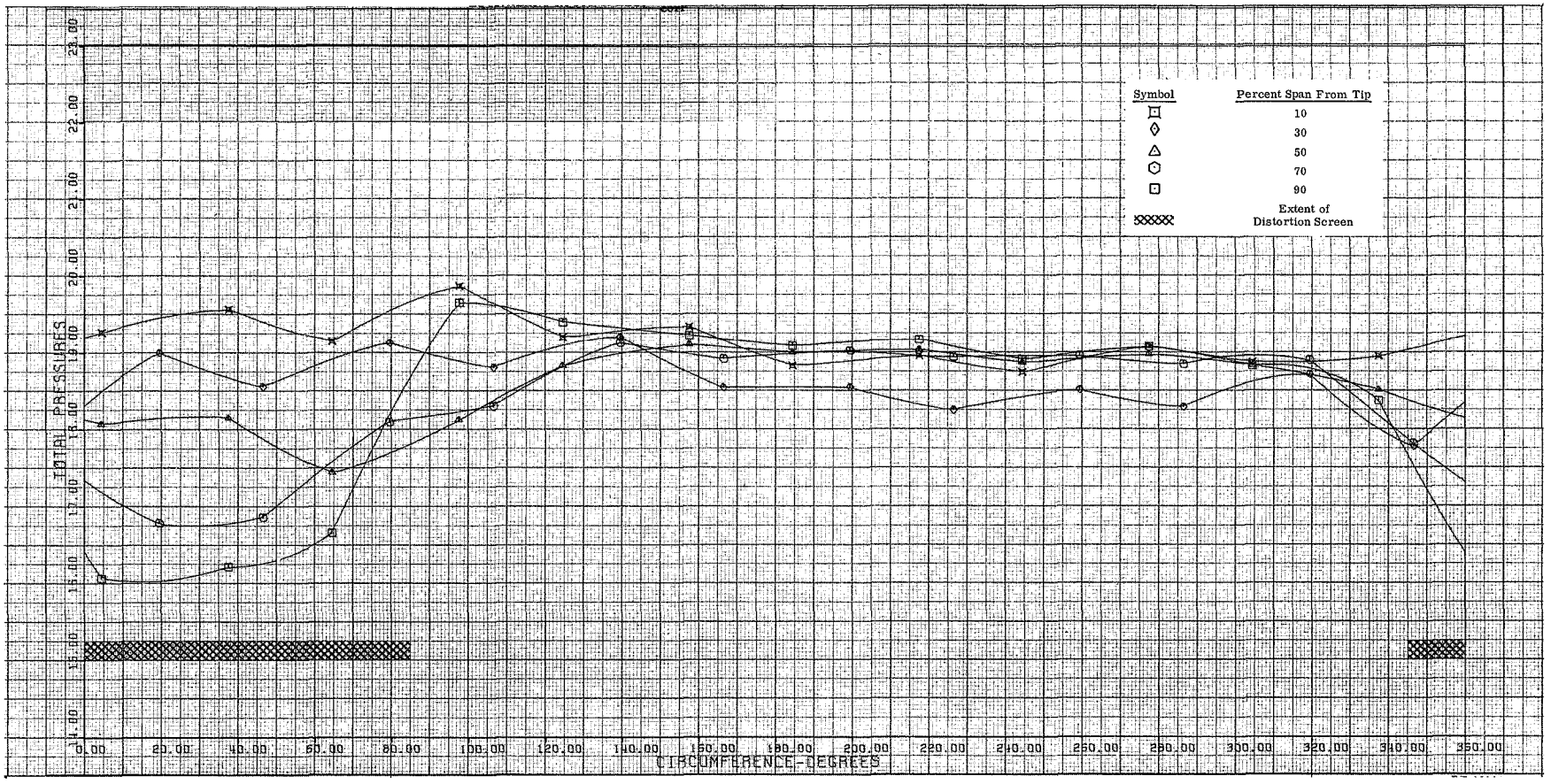


Figure 35. Stator Exit Total Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83966

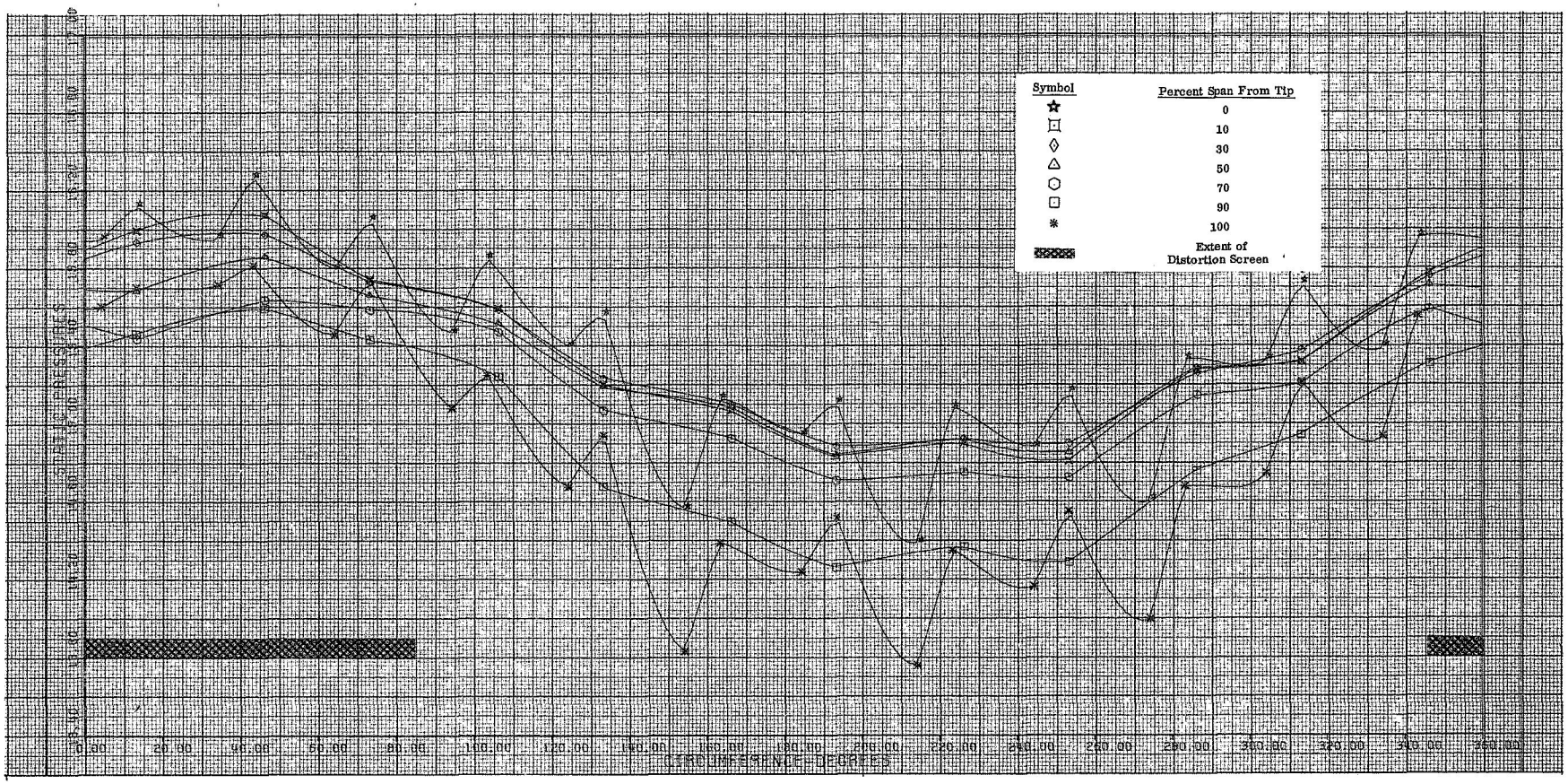


Figure 36. Stator Exit Static Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83967

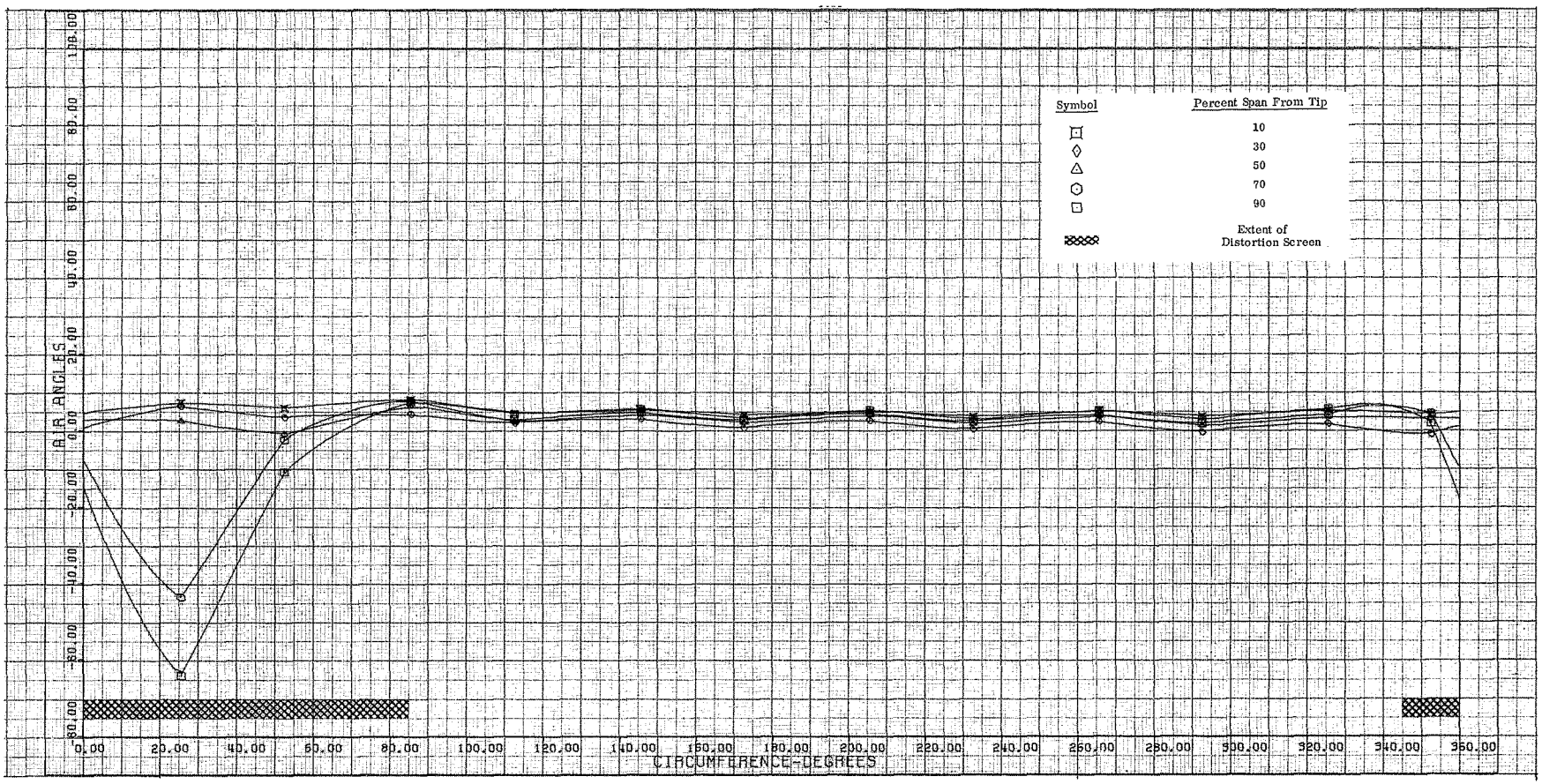


Figure 37. Stator Exit Air Angle vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 259.30 lb/sec; Circumferential Distortion DF 83968

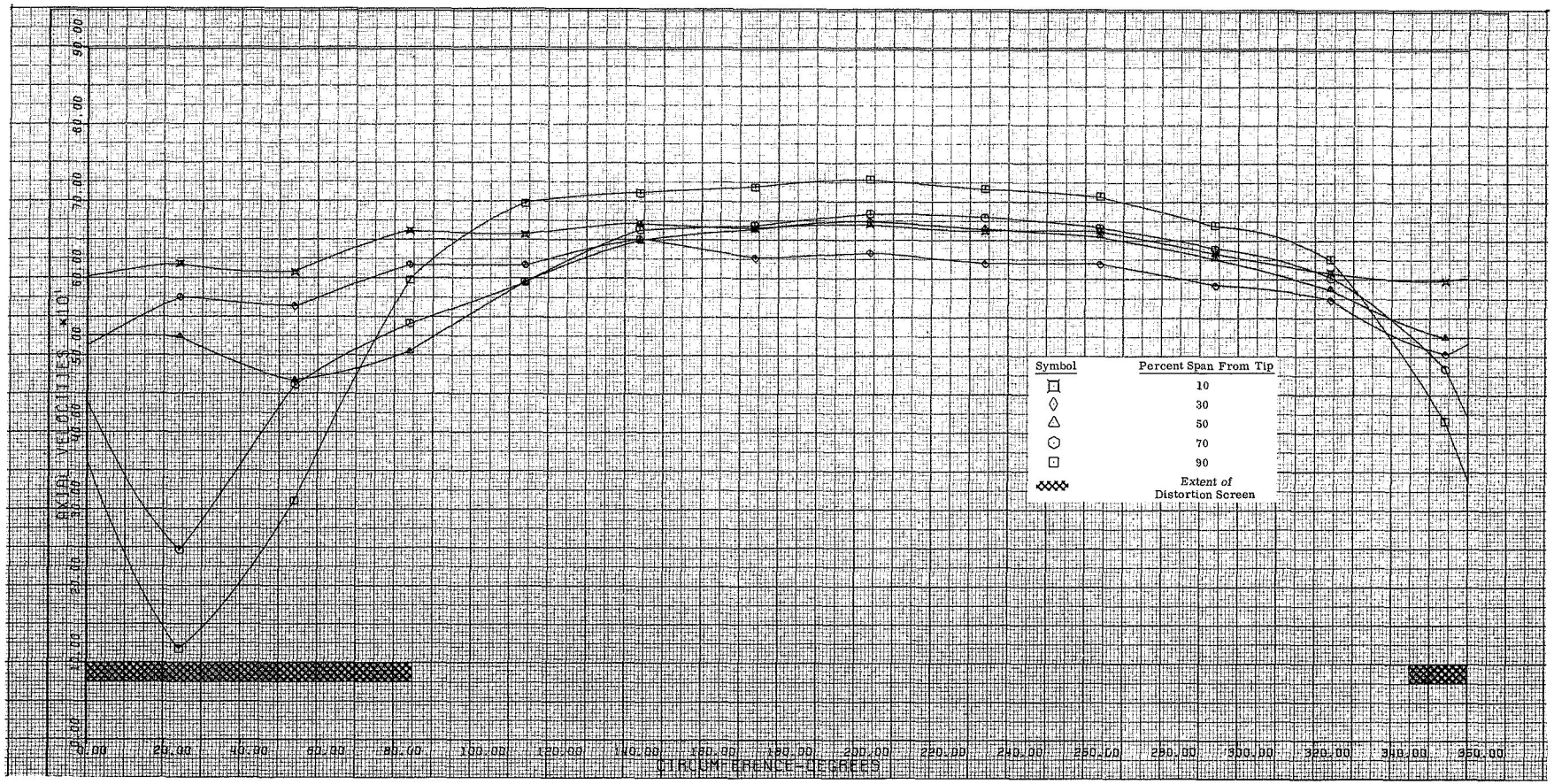


Figure 38. Stator Exit Axial Velocity vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 259.30 lb/sec; Circumferential Distortion

DF 83969

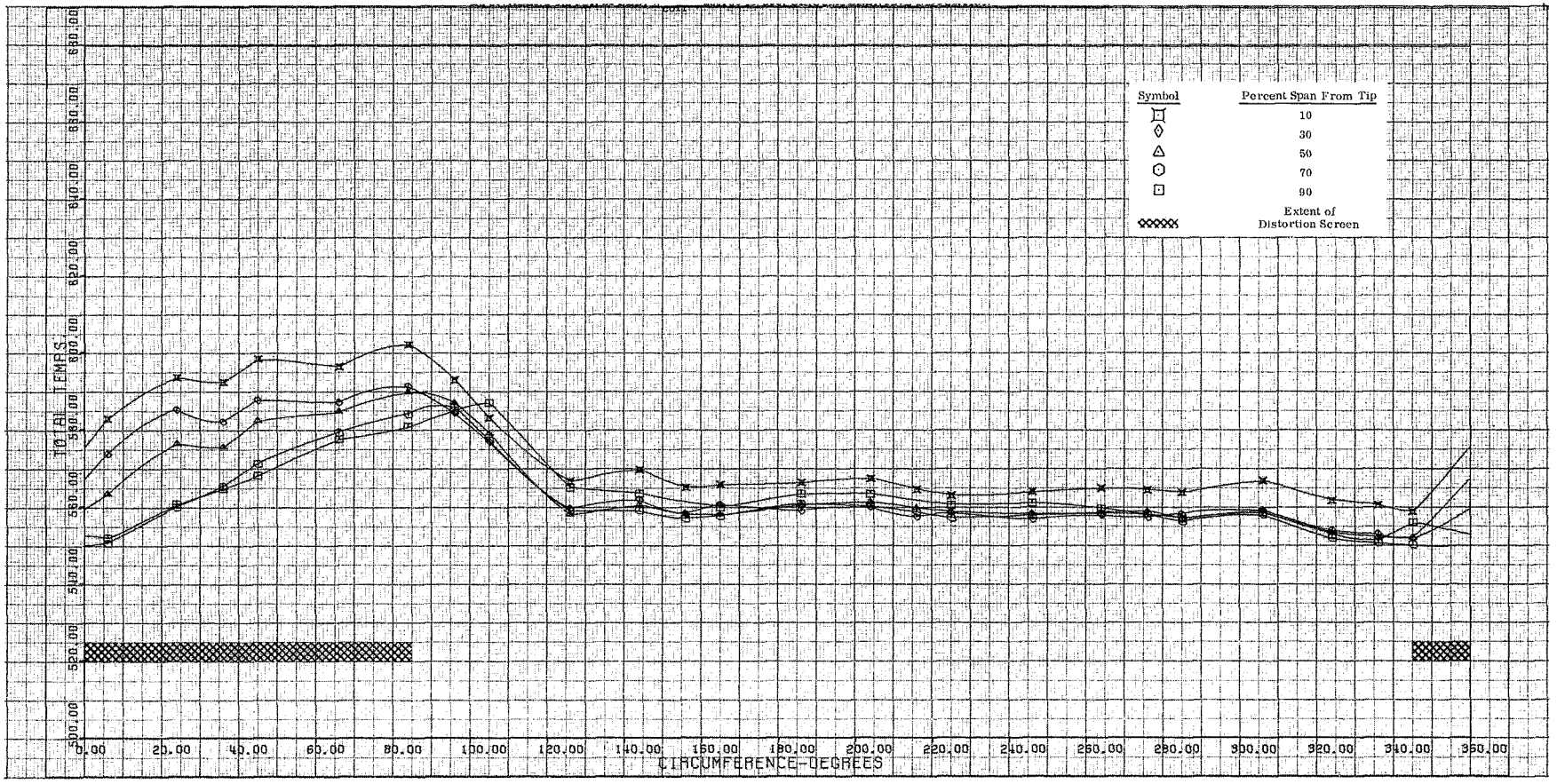


Figure 39. Stator Exit Total Temperature vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 259.30 lb/sec; Circumferential Distortion DF 83970

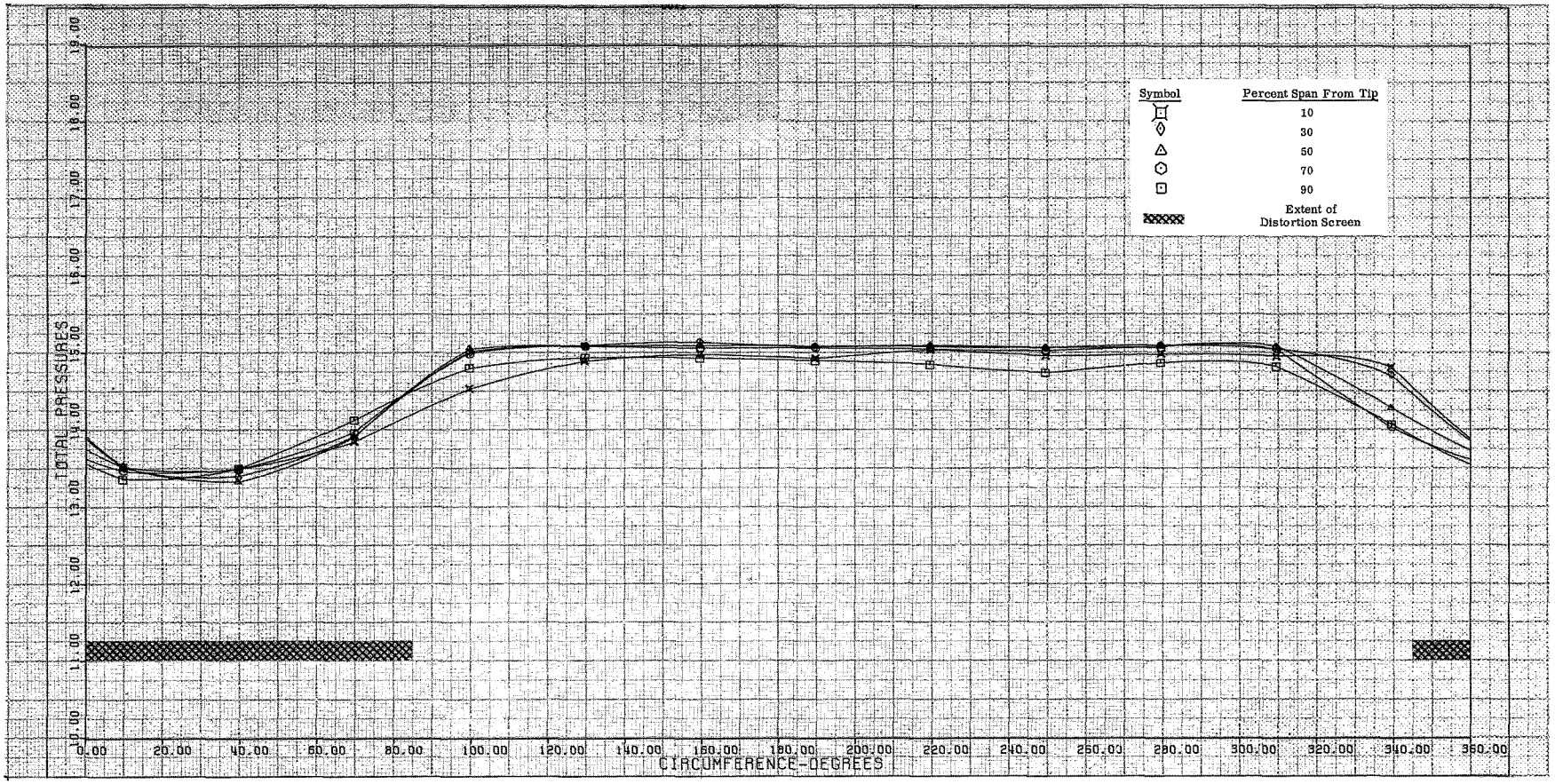


Figure 40. Rotor Inlet Total Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83971

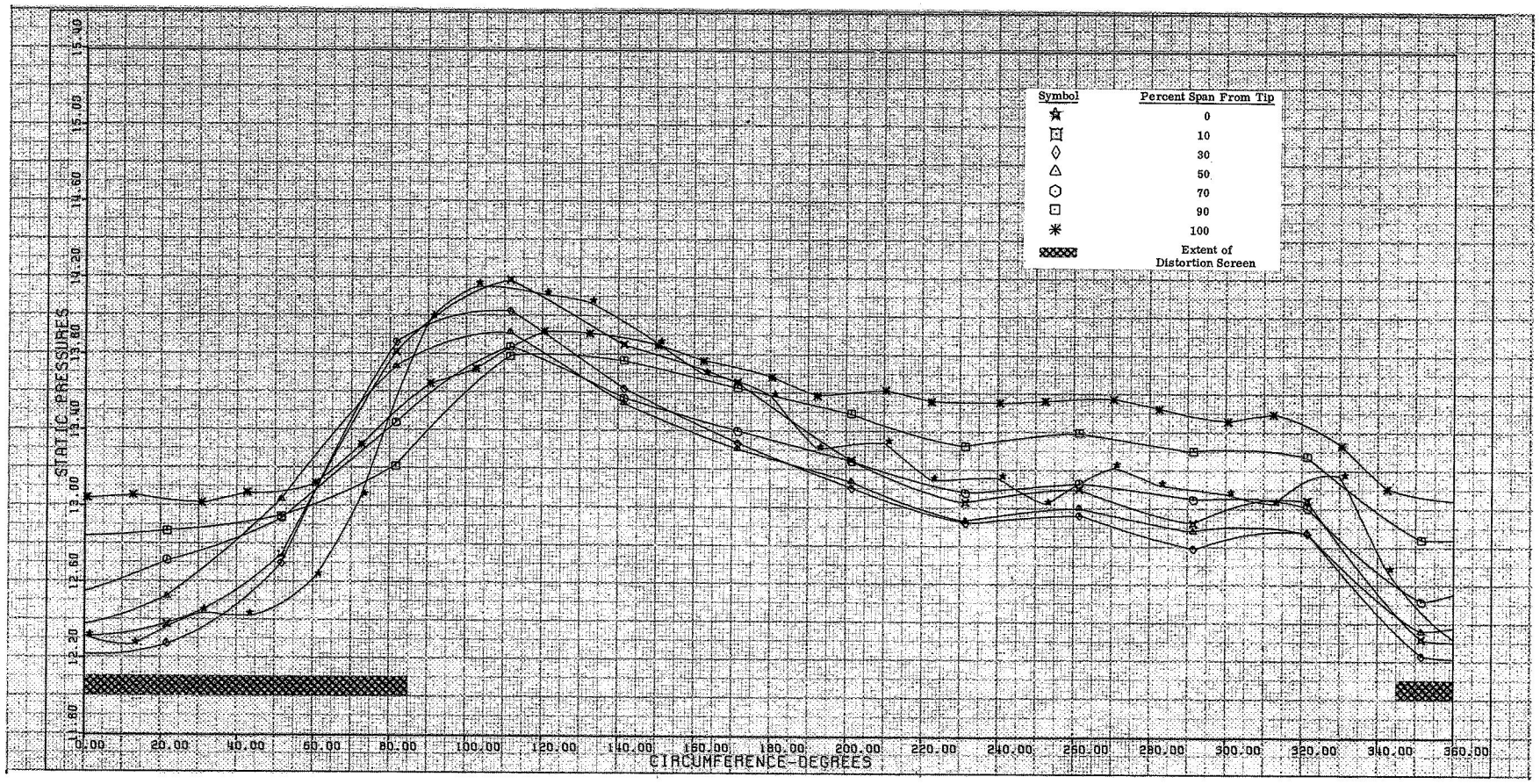


Figure 41. Rotor Inlet Static Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83972

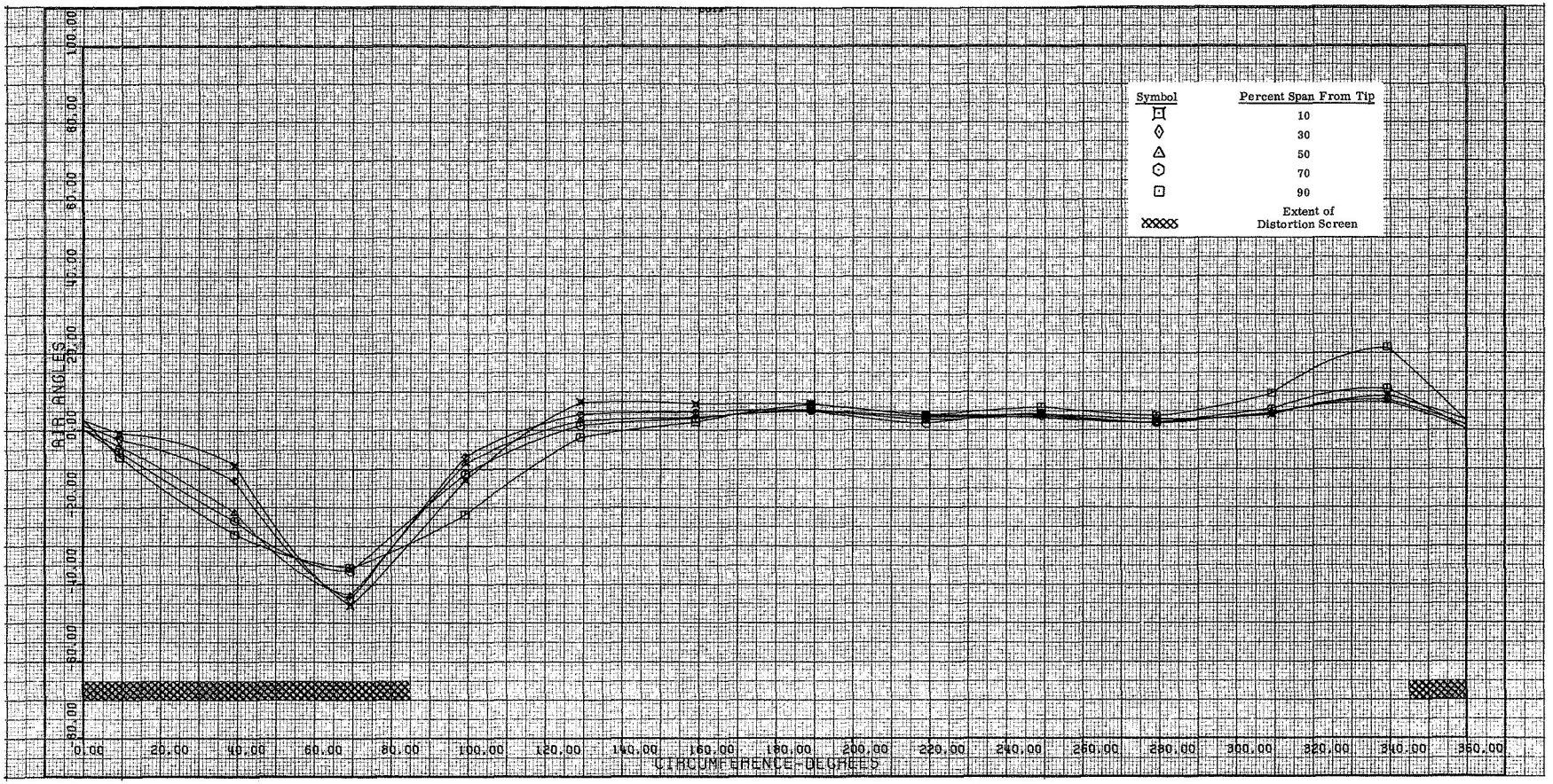


Figure 42. Rotor Inlet Air Angle vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion DF 83973

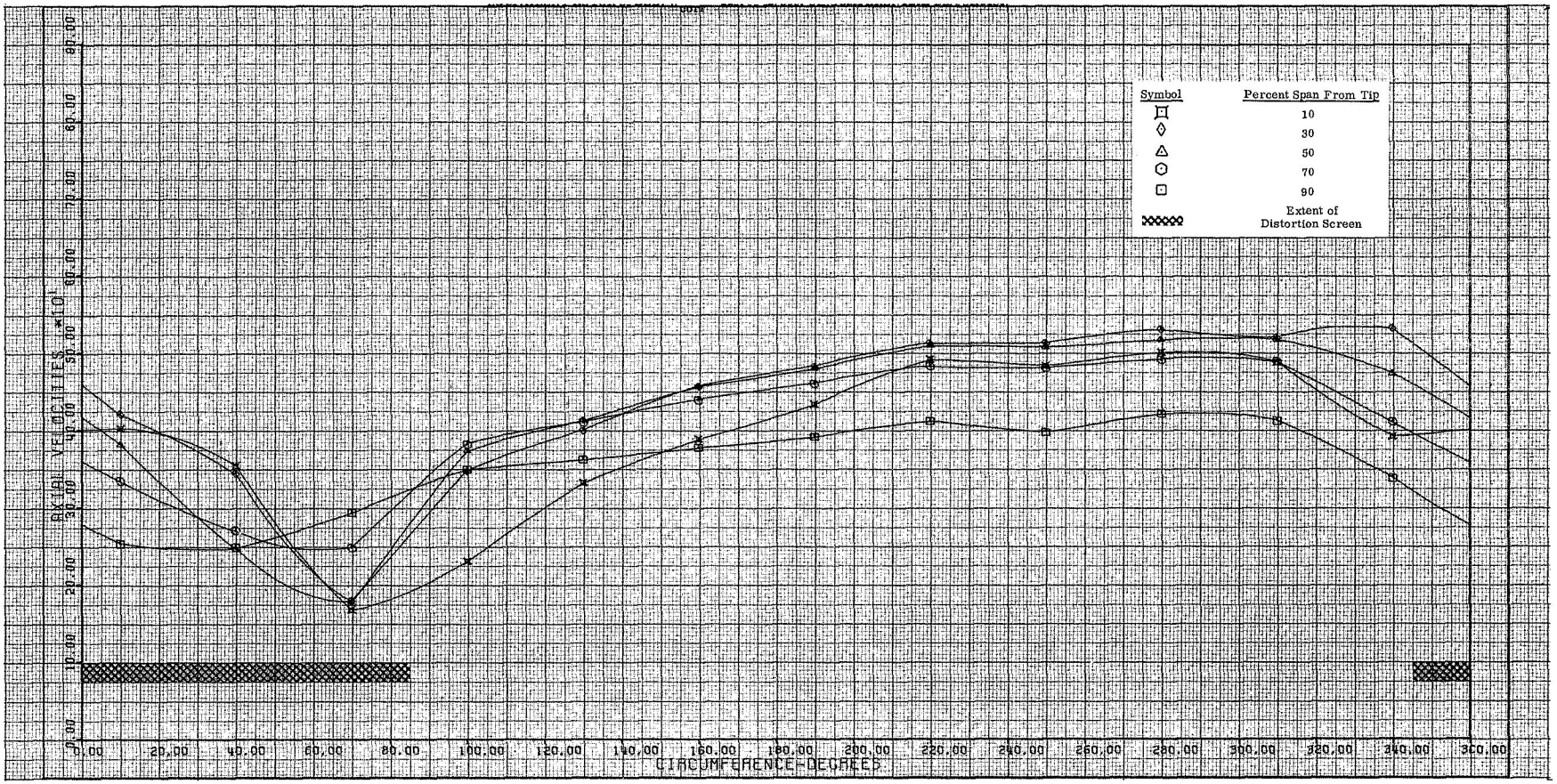


Figure 43. Rotor Inlet Axial Velocity vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion DF 83974

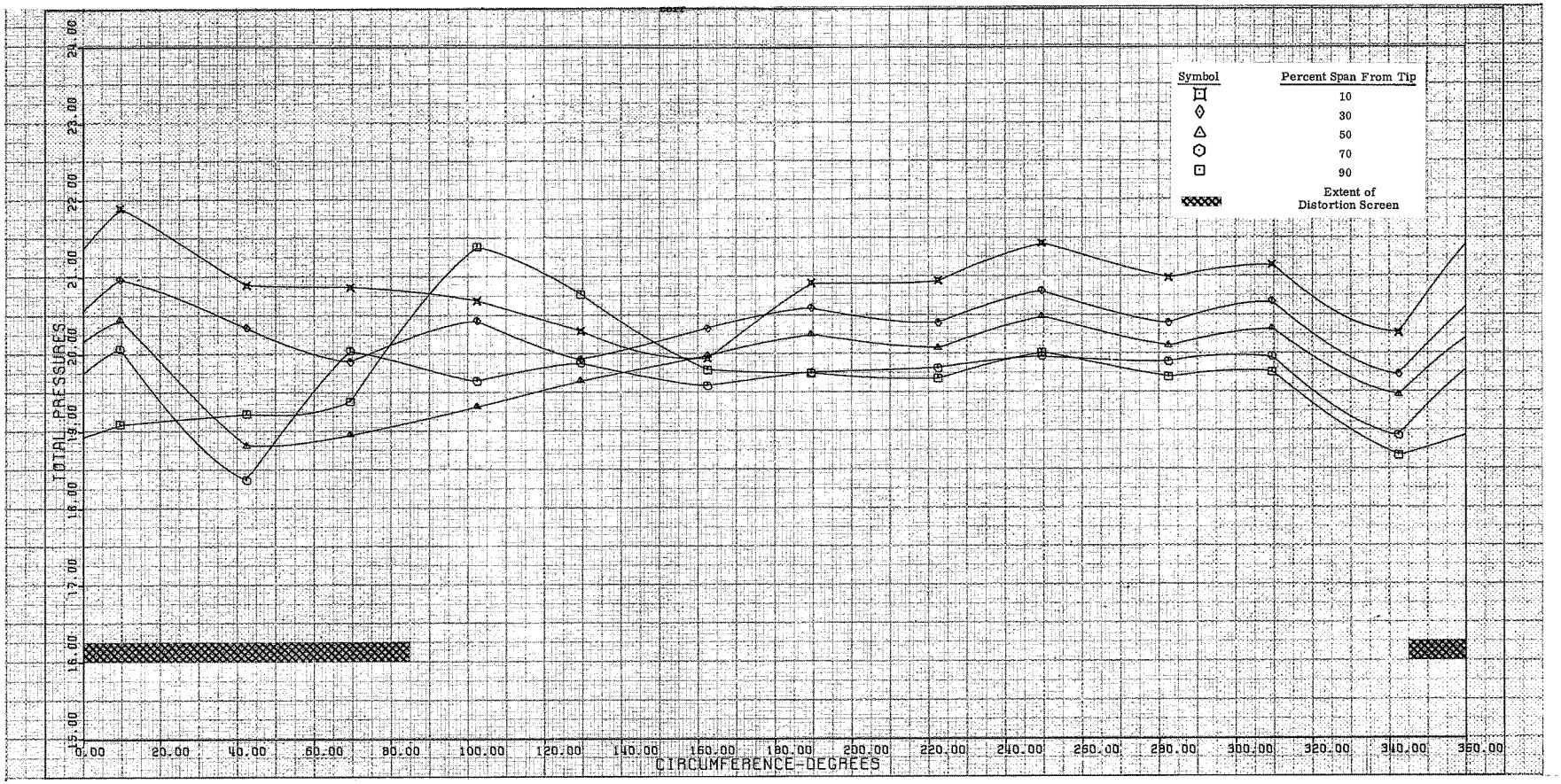


Figure 44. Stator Inlet Total Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83975

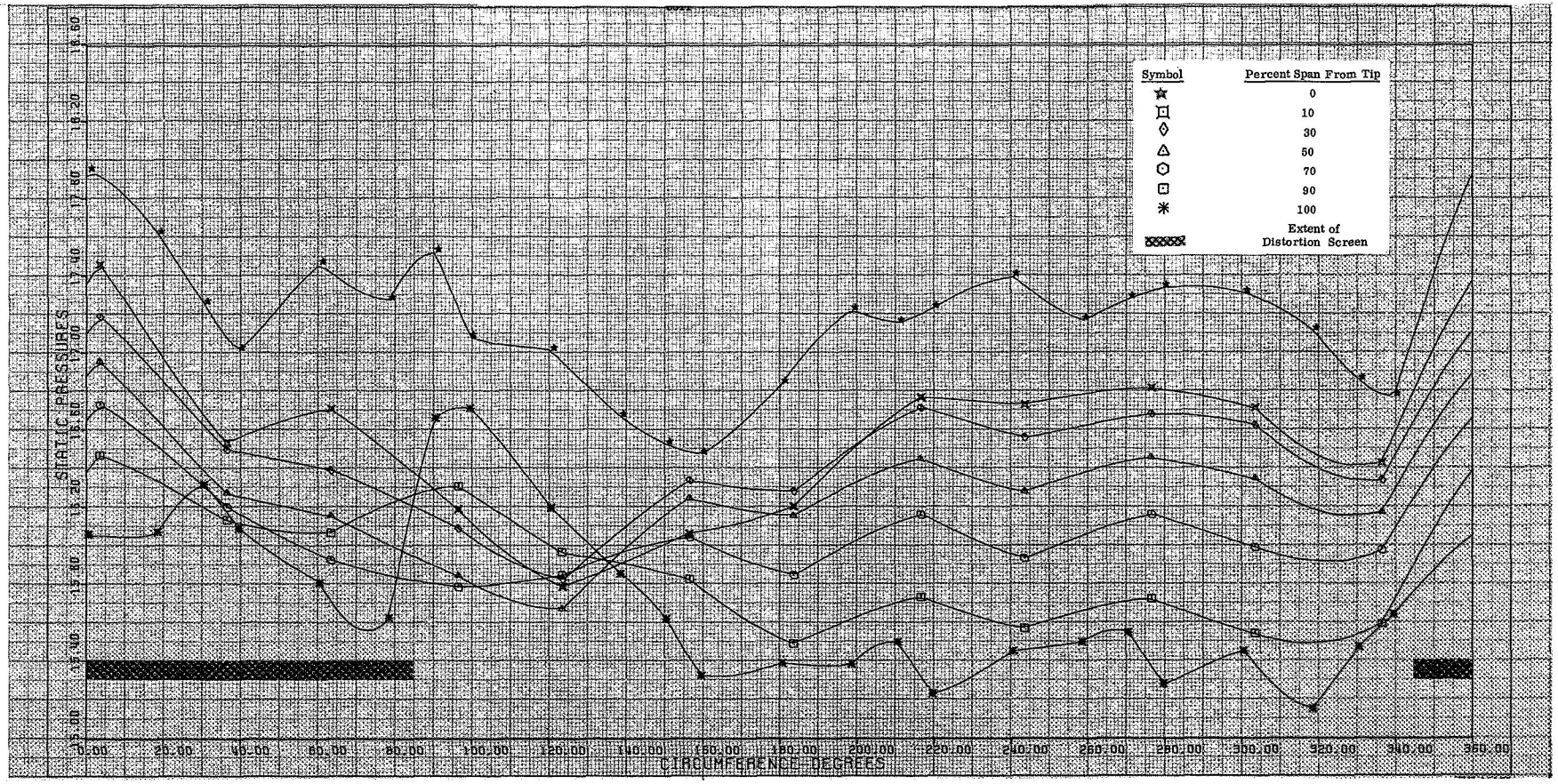


Figure 45. Stator Inlet Static Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83976

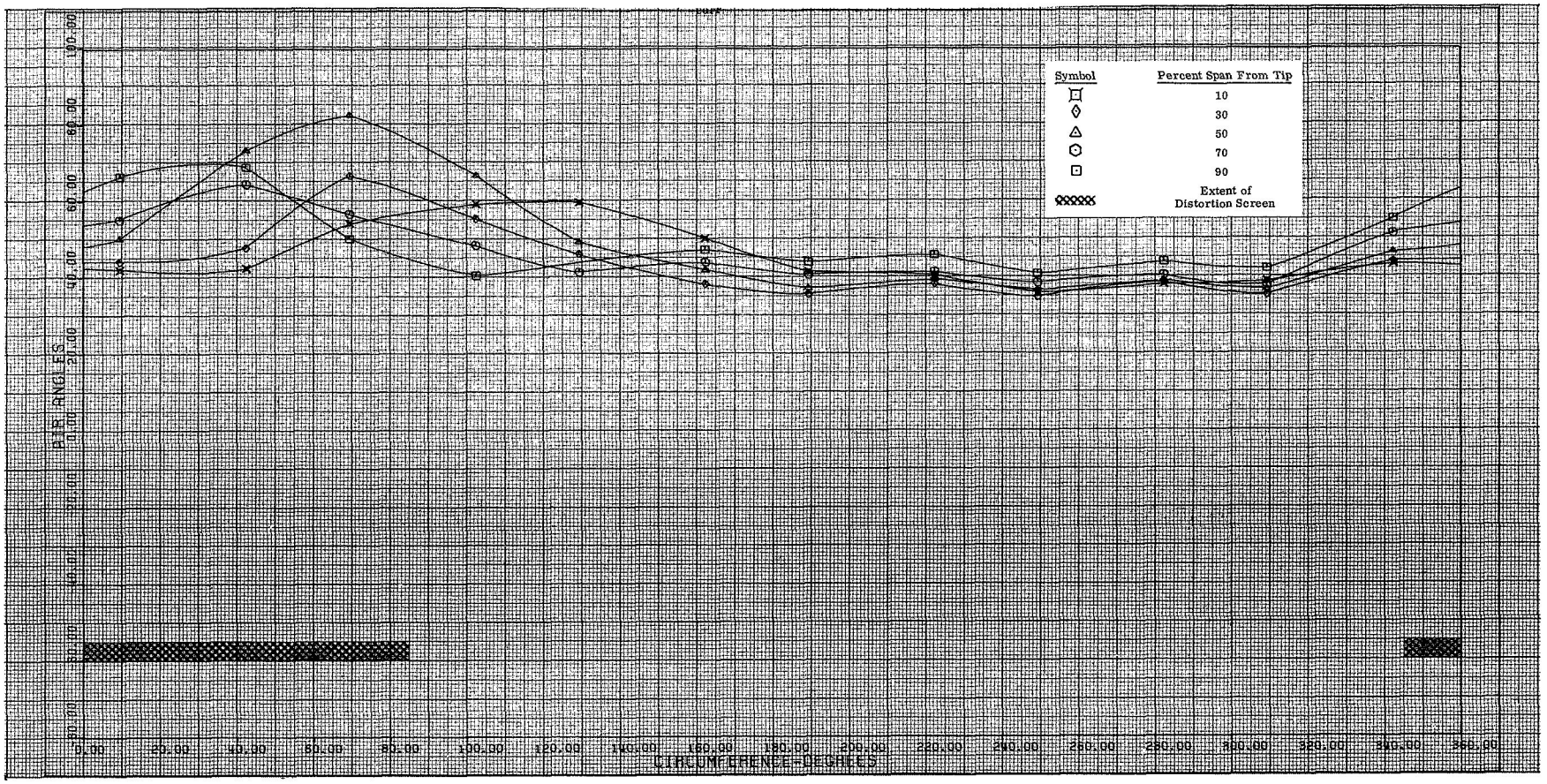


Figure 46. Stator Inlet Air Angle vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83977

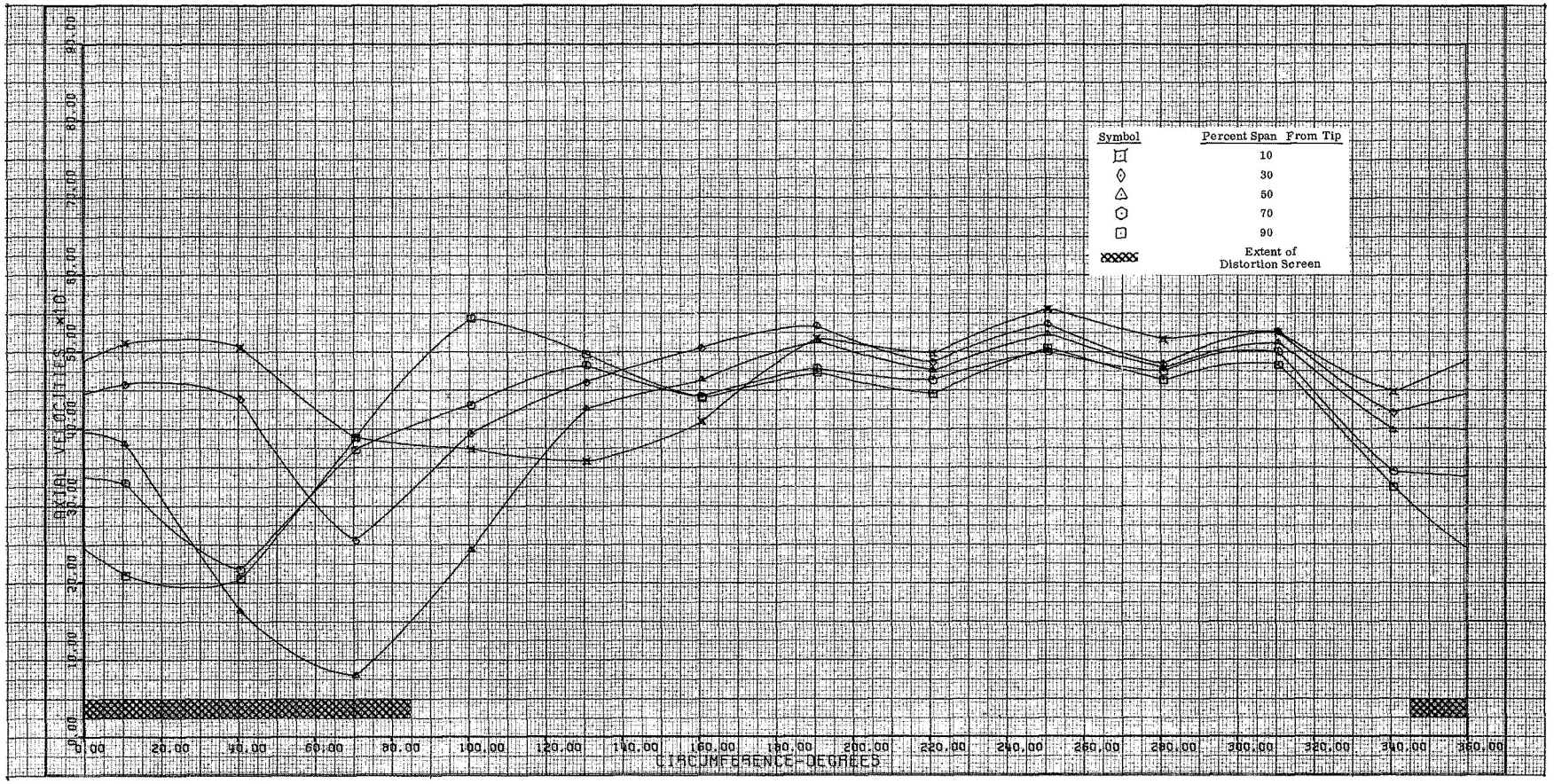


Figure 47. Stator Inlet Axial Velocity vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83978

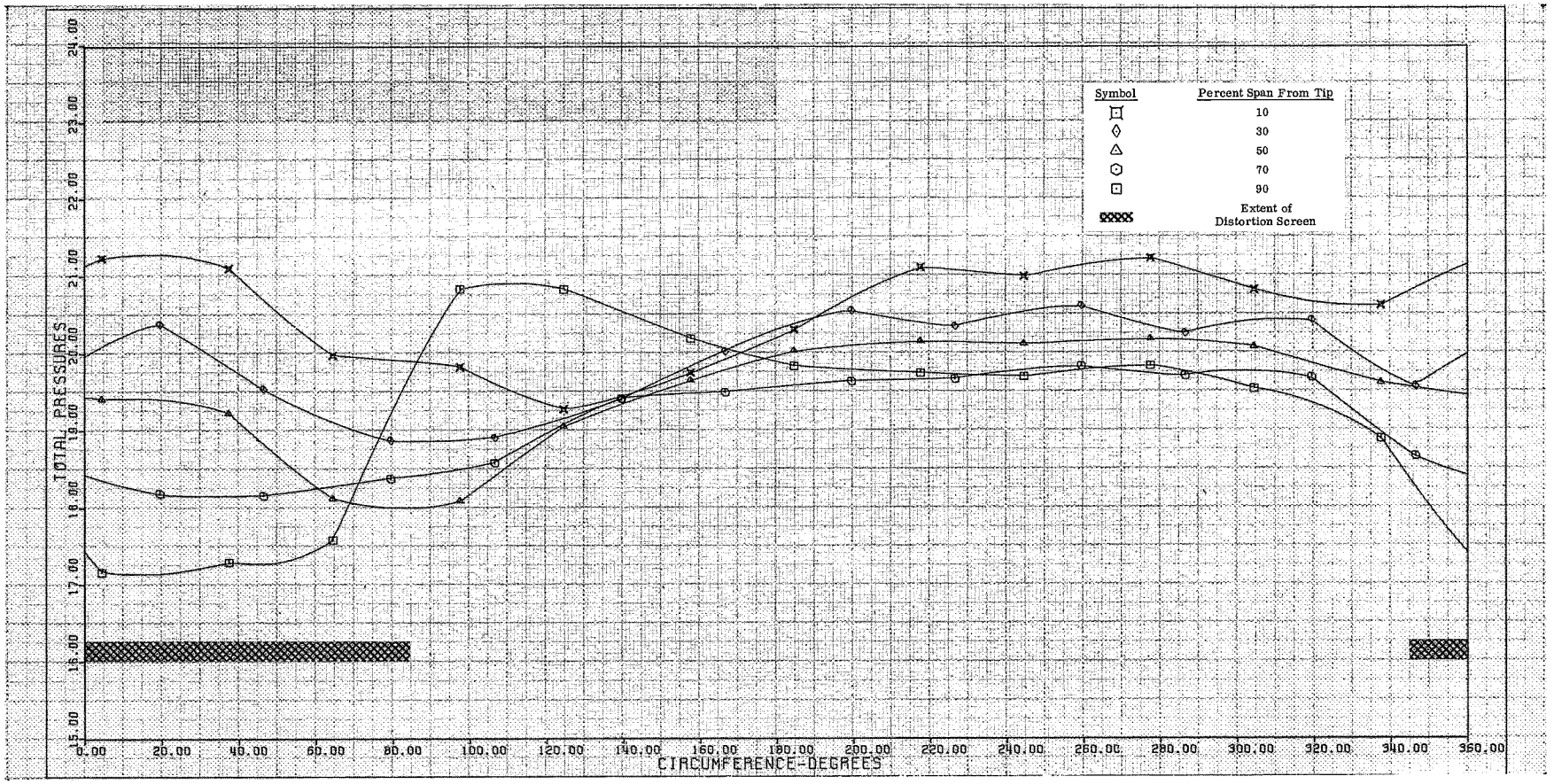


Figure 48. Stator Exit Total Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion DF 83979

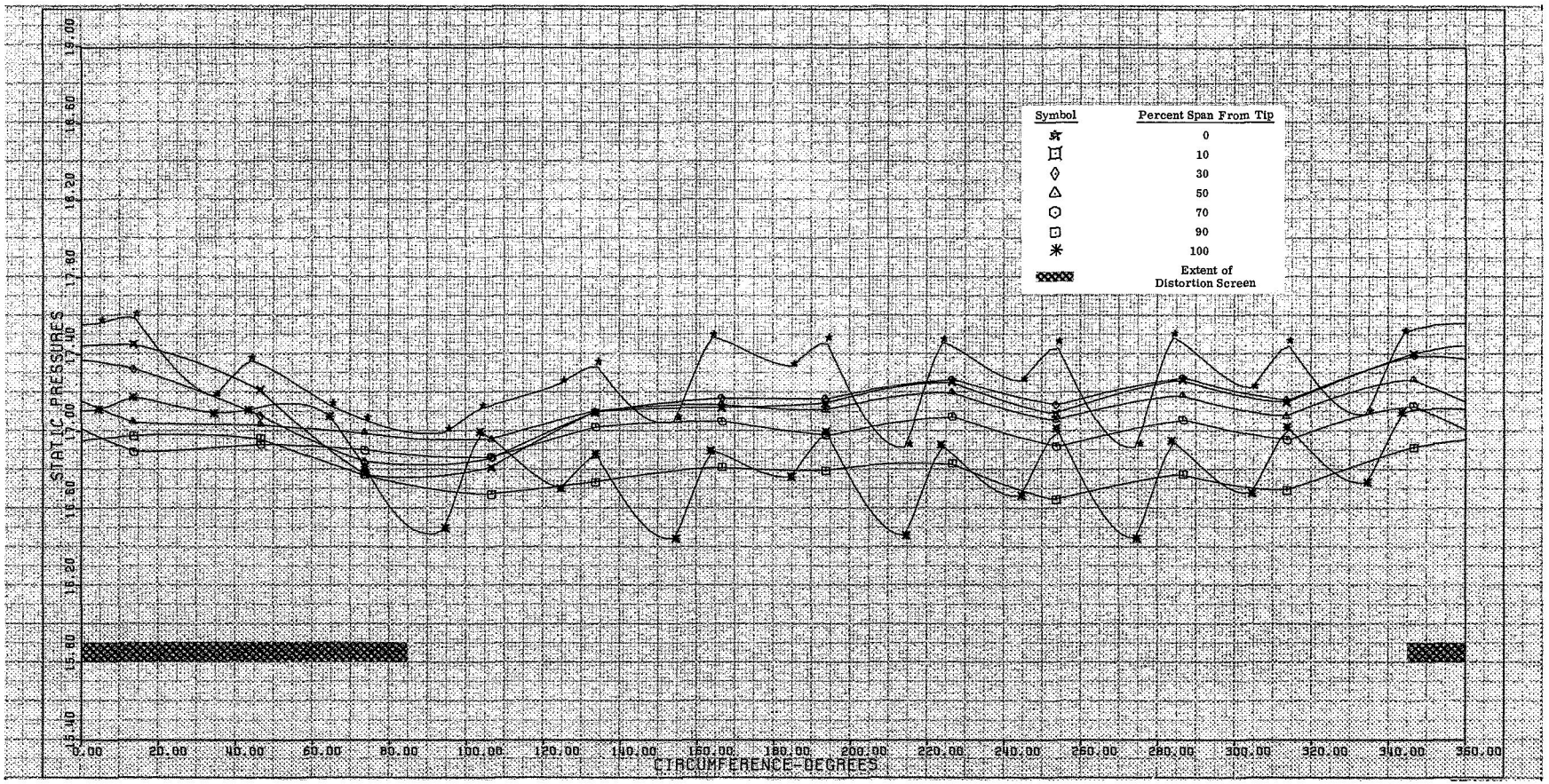


Figure 49. Stator Exit Pressure vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83980

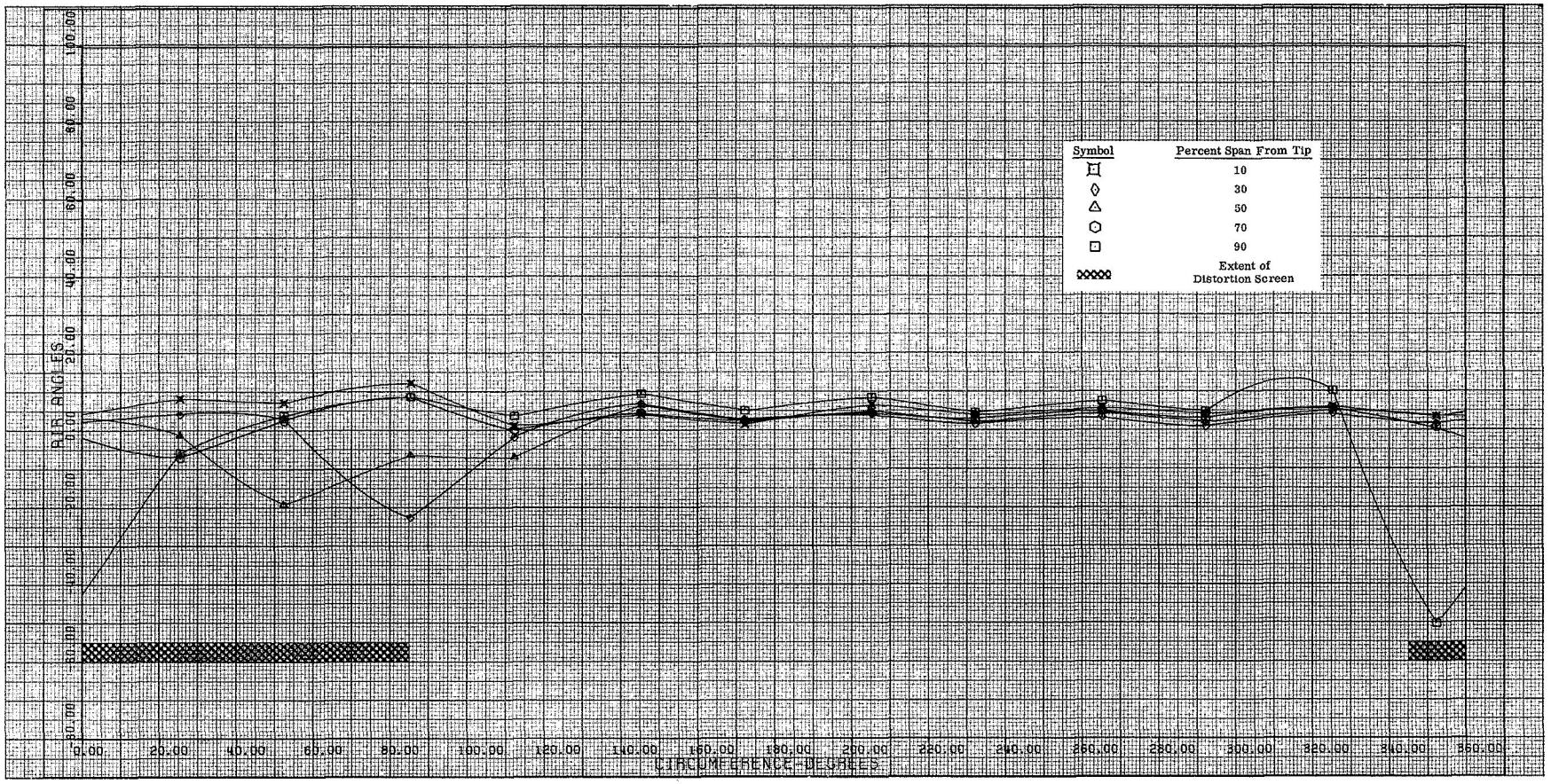


Figure 50. Stator Exit Air Angle vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion DF 83981

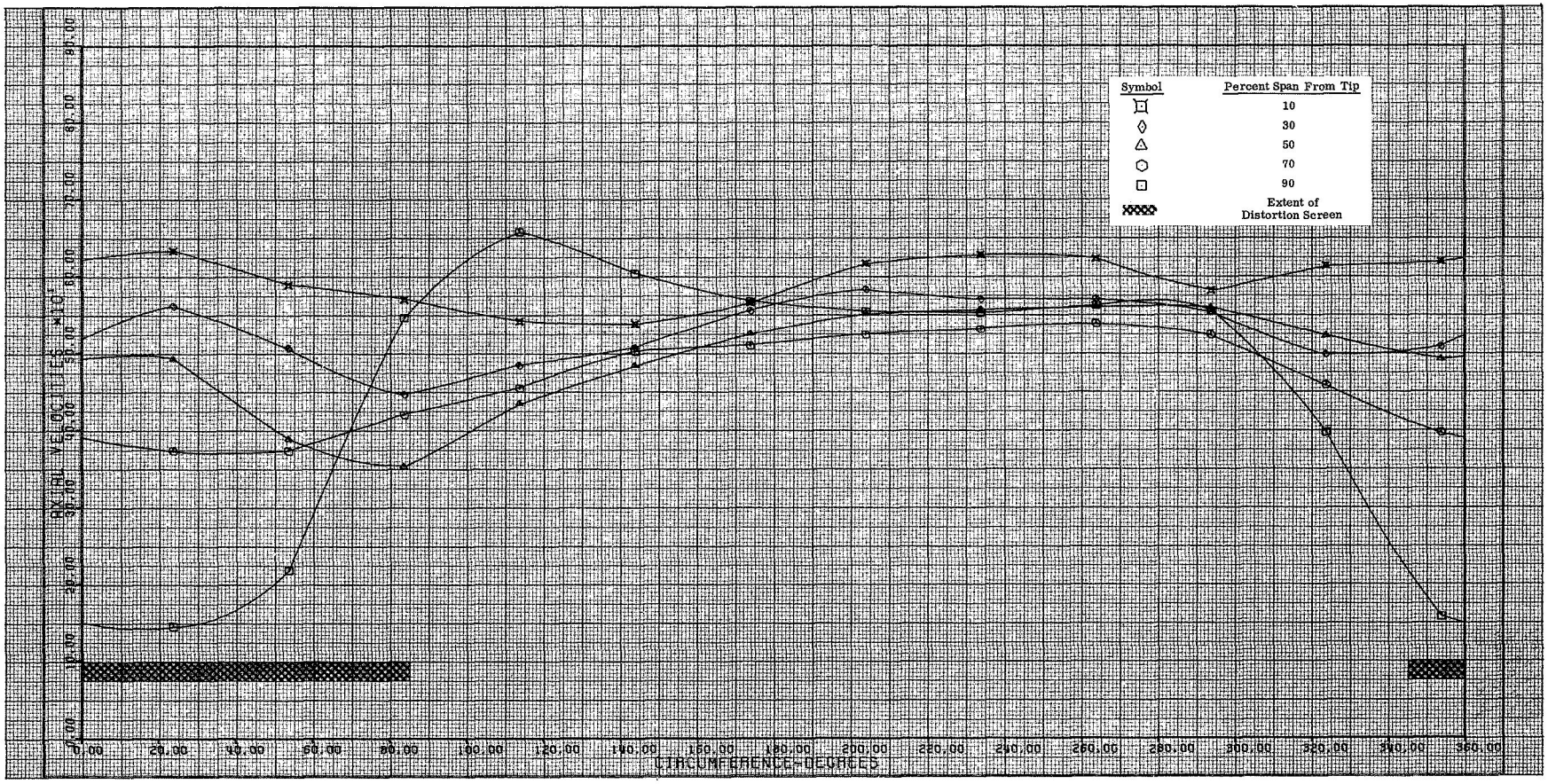


Figure 51. Stator Exit Axial Velocity vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 223.08 lb/sec; Circumferential Distortion

DF 83982

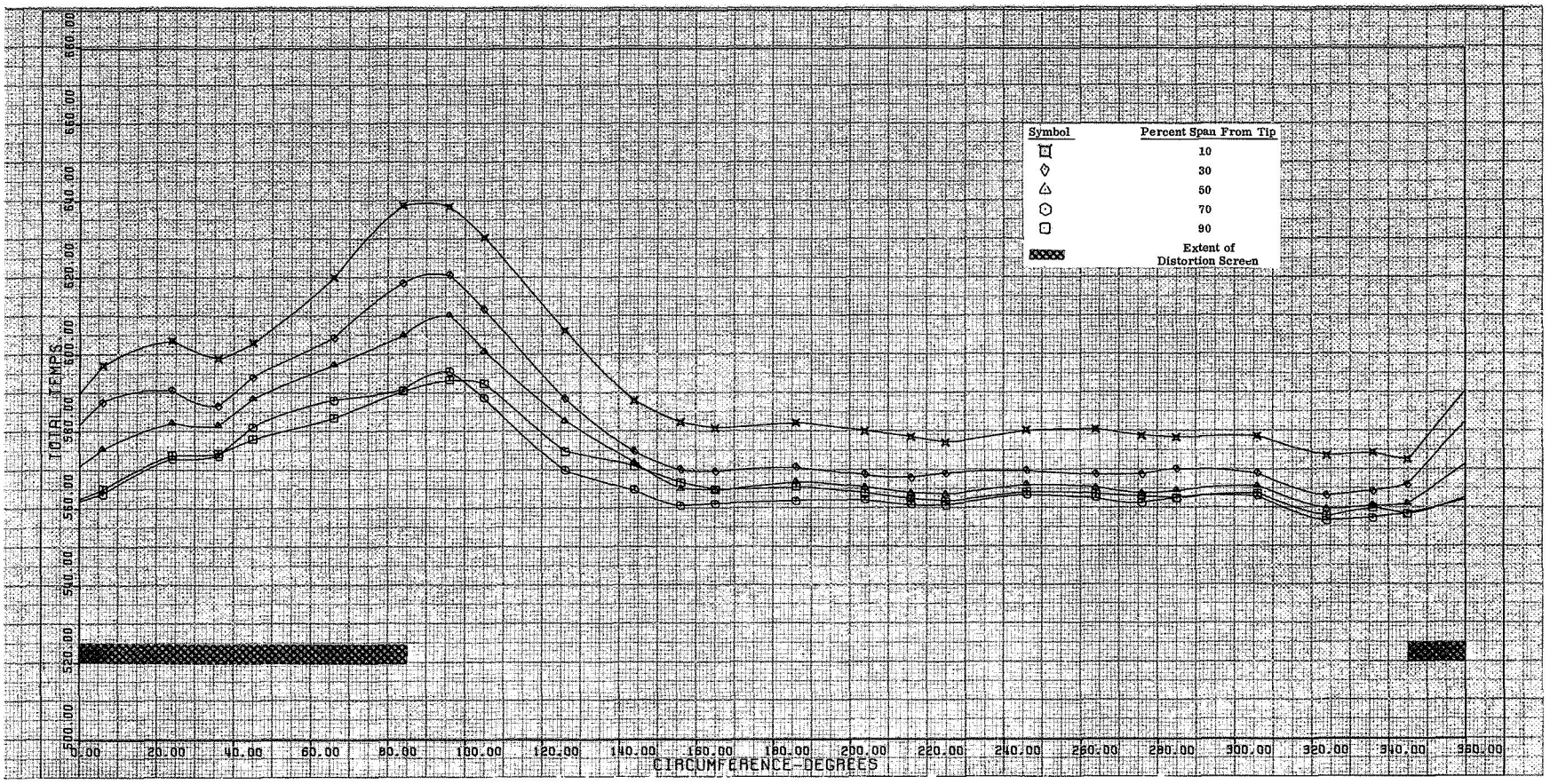


Figure 52. Stator Exit Total Temperature vs Circumference; Solid Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.08 lb/sec; Circumferential Distortion DF 83983

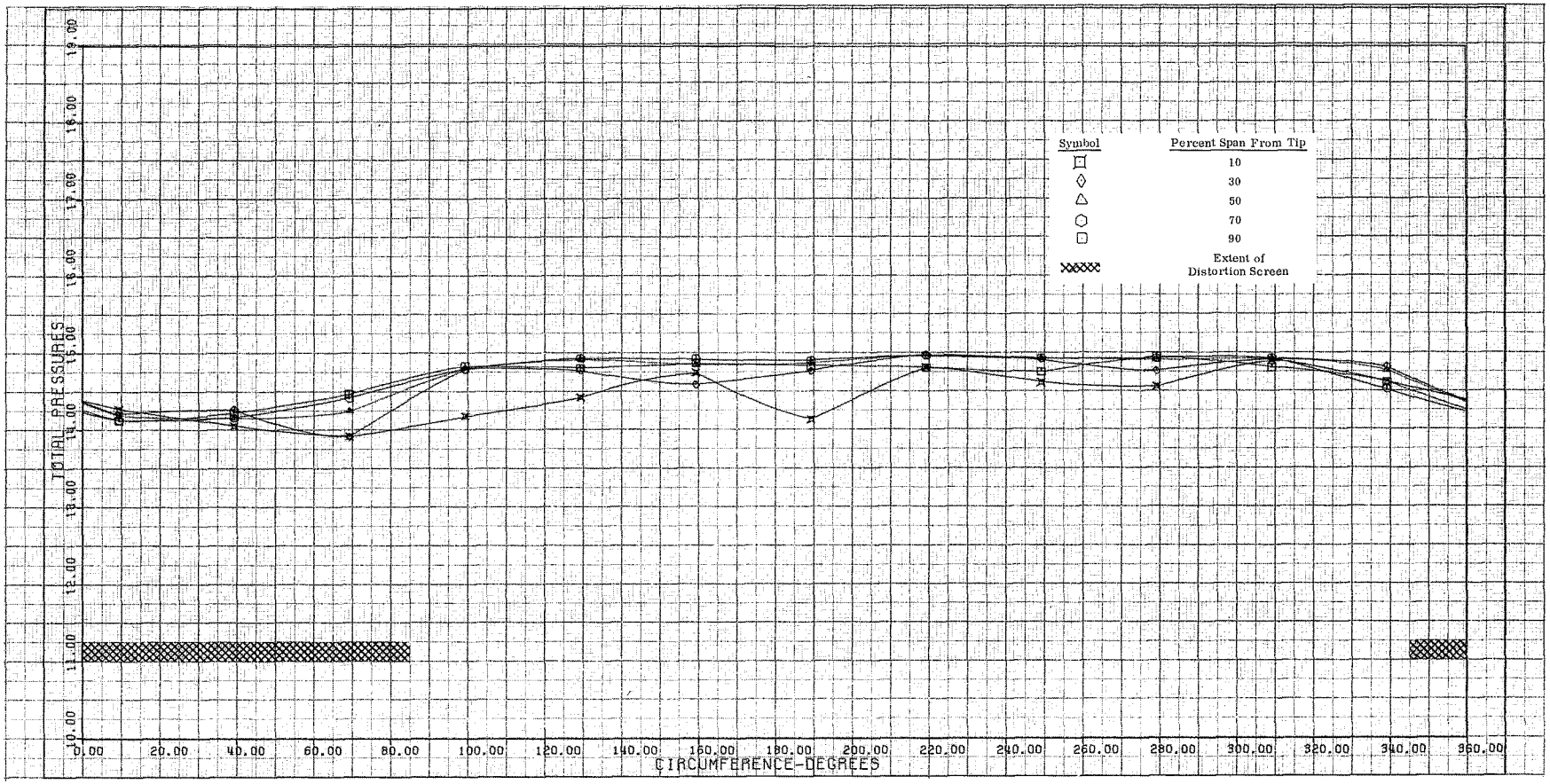


Figure 53. Rotor Inlet Total Pressure vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83984

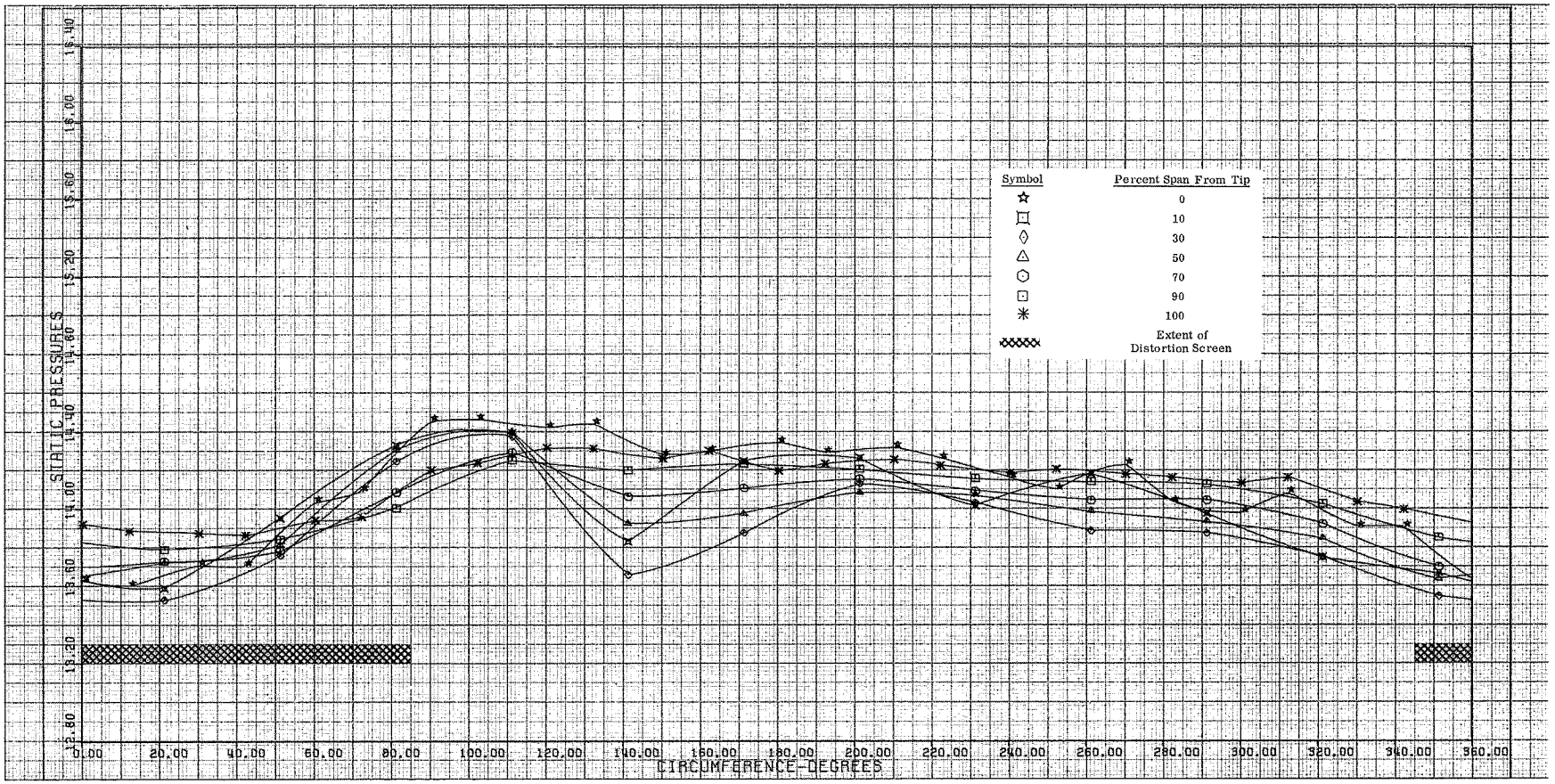


Figure 54. Rotor Inlet Static Pressure vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83985

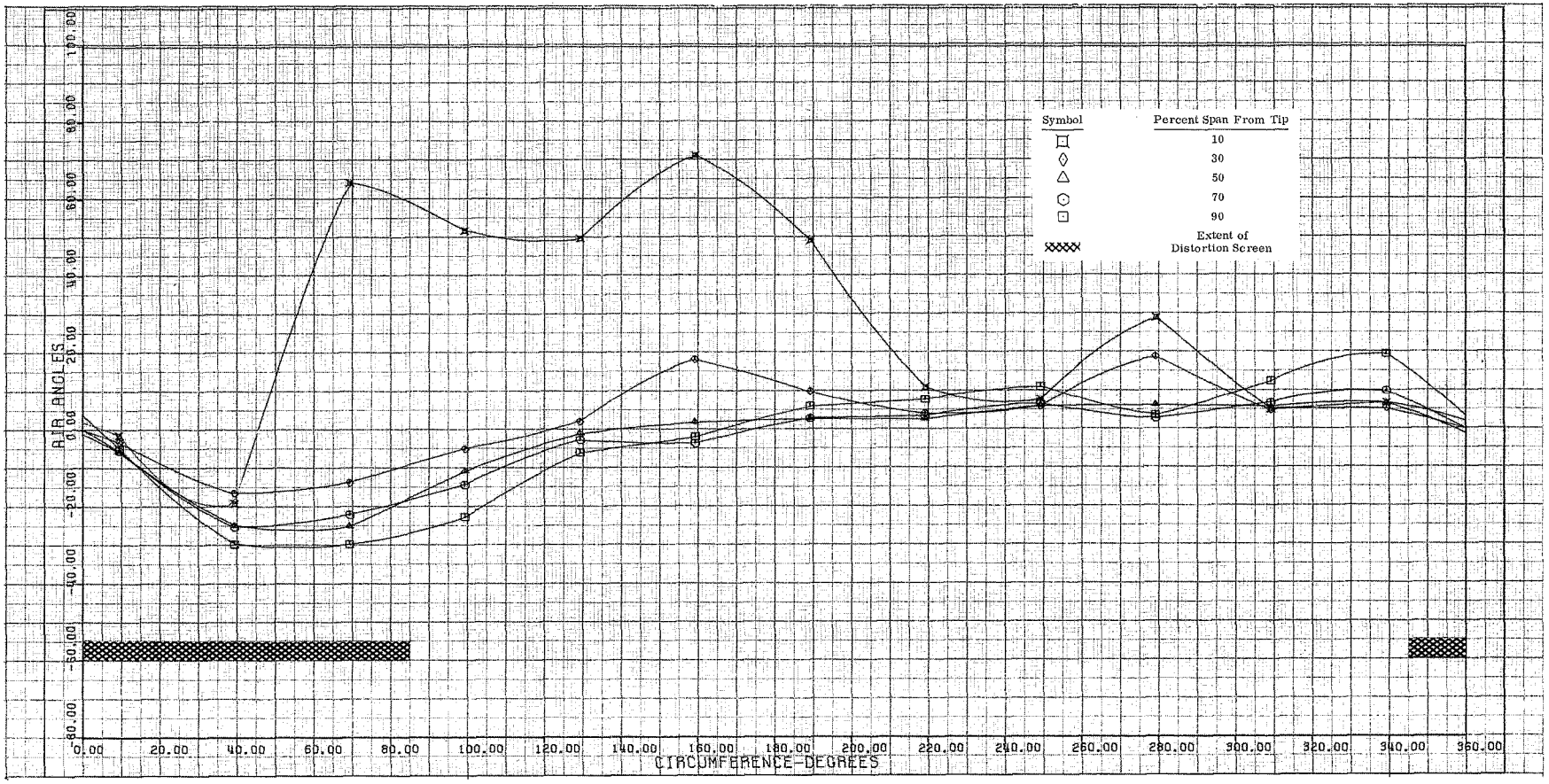


Figure 55. Rotor Inlet Air Angle vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion

DF 83986

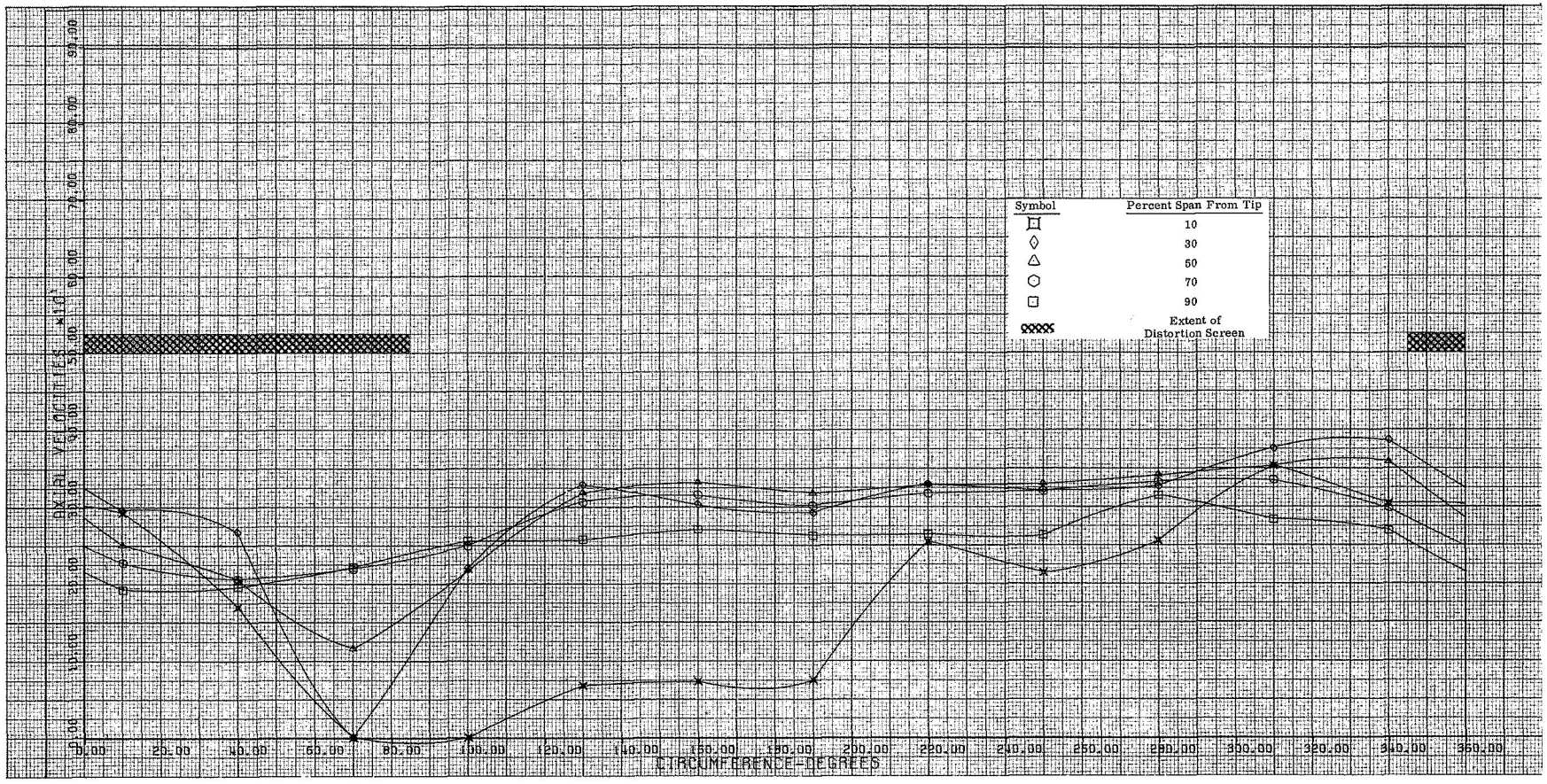


Figure 56. Rotor Inlet Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 158.67 lb/sec; Circumferential Distortion

DF 83987

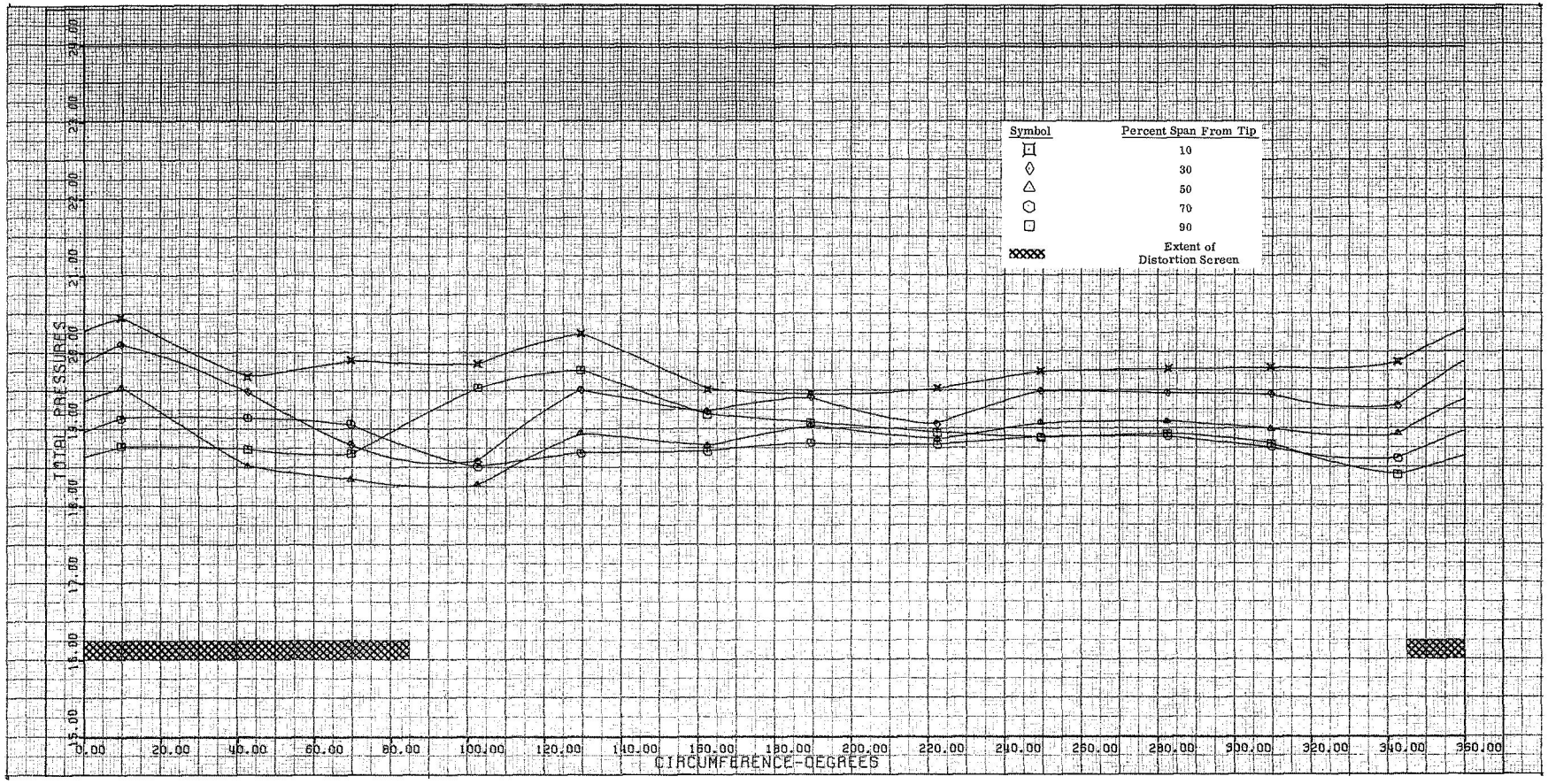


Figure 57. Stator Inlet Total Pressure vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83988

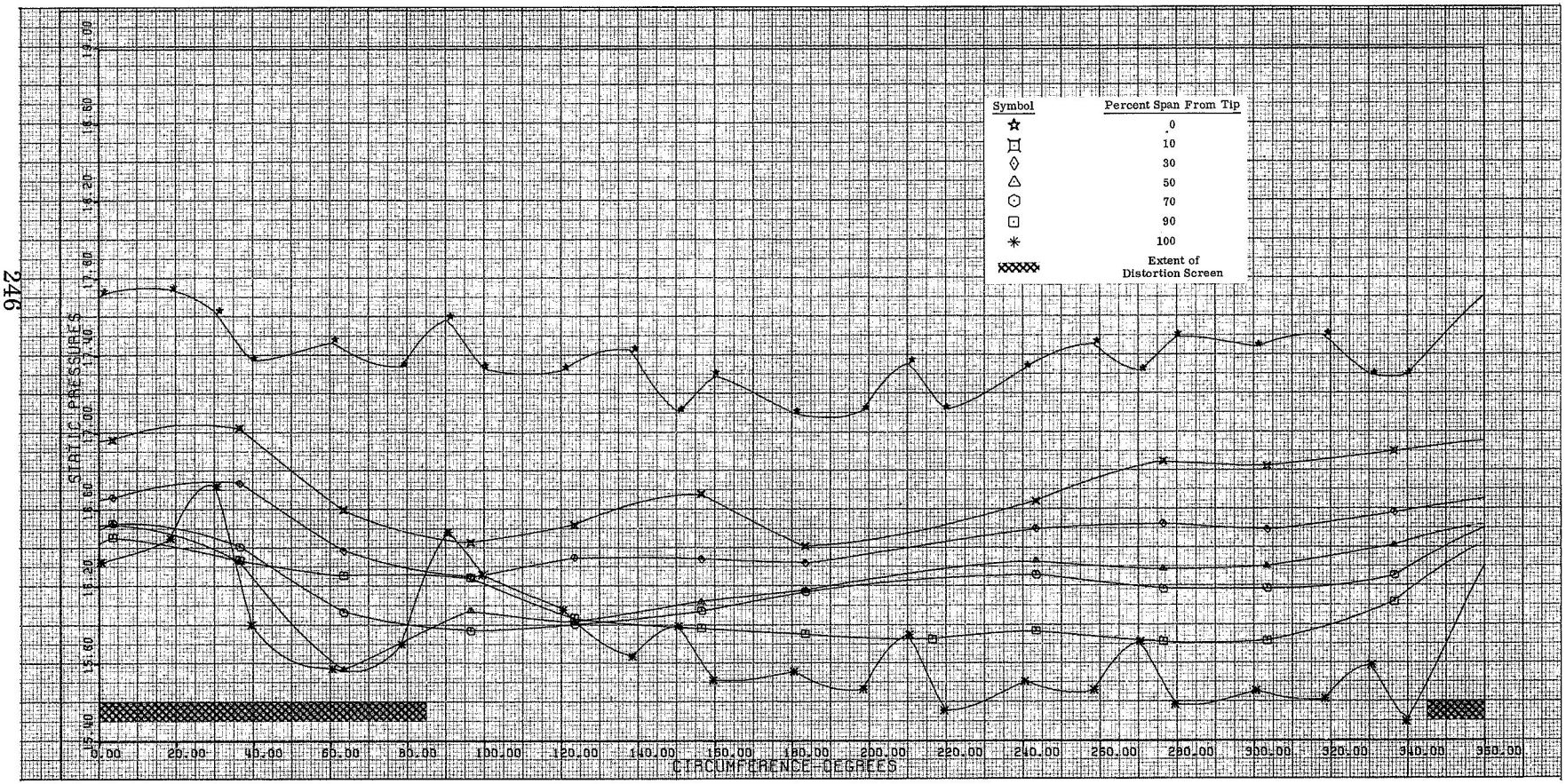


Figure 58. Stator Inlet Static Pressure vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83989

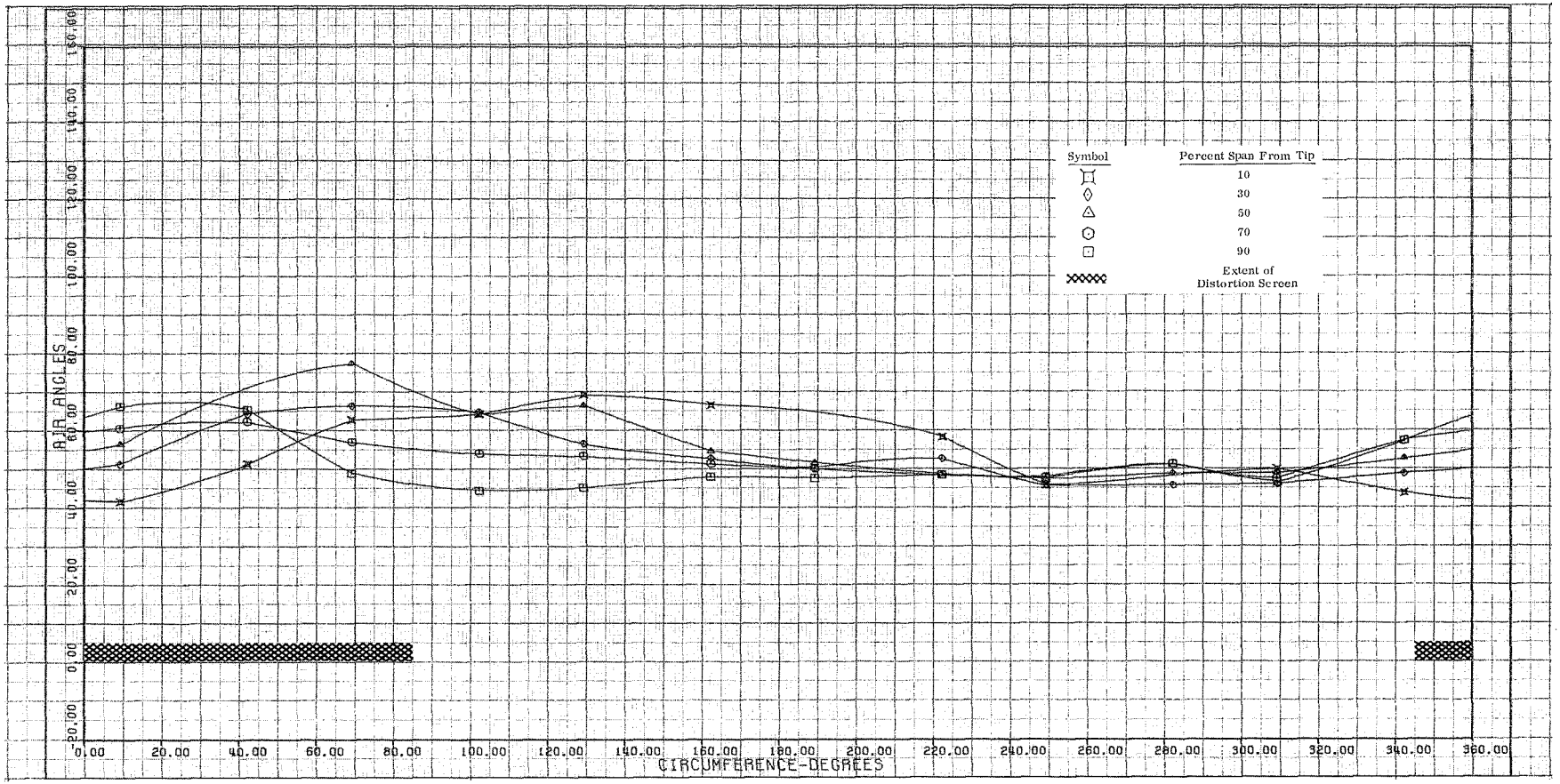


Figure 59. Stator Inlet Air Angle vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion

DF 83990

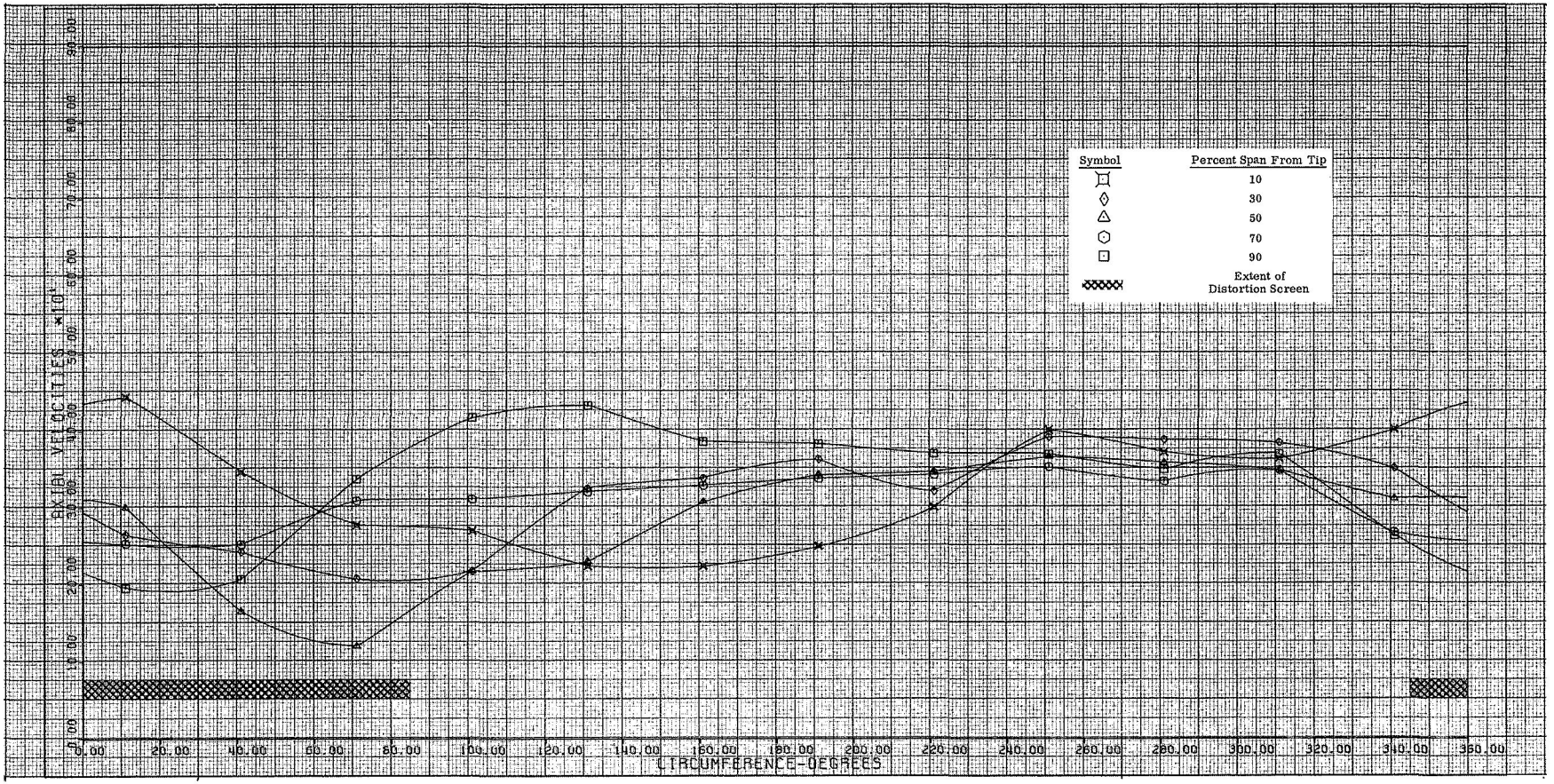


Figure 60. Stator Inlet Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83991

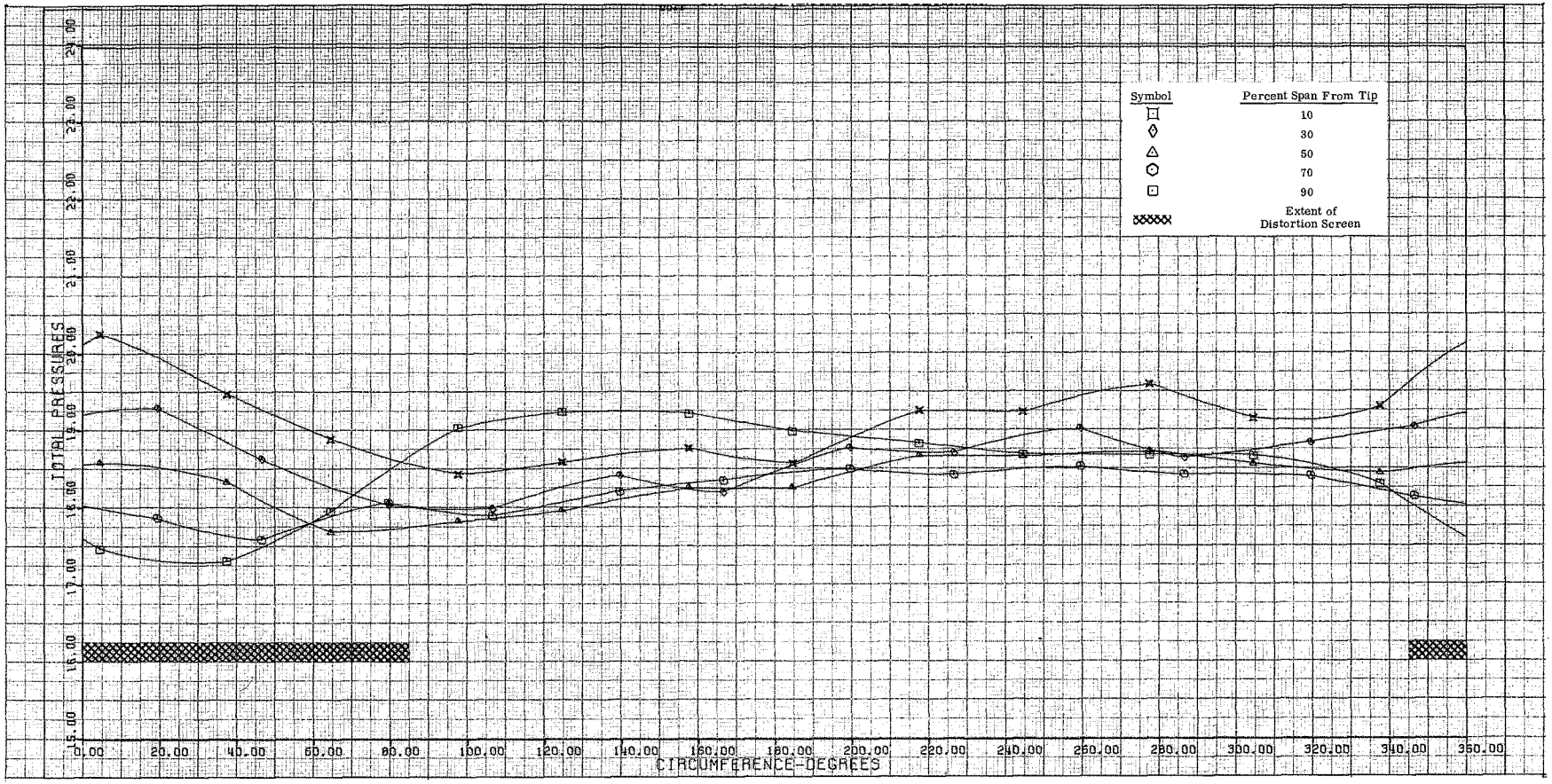


Figure 61. Stator Exit Total Pressure vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83992

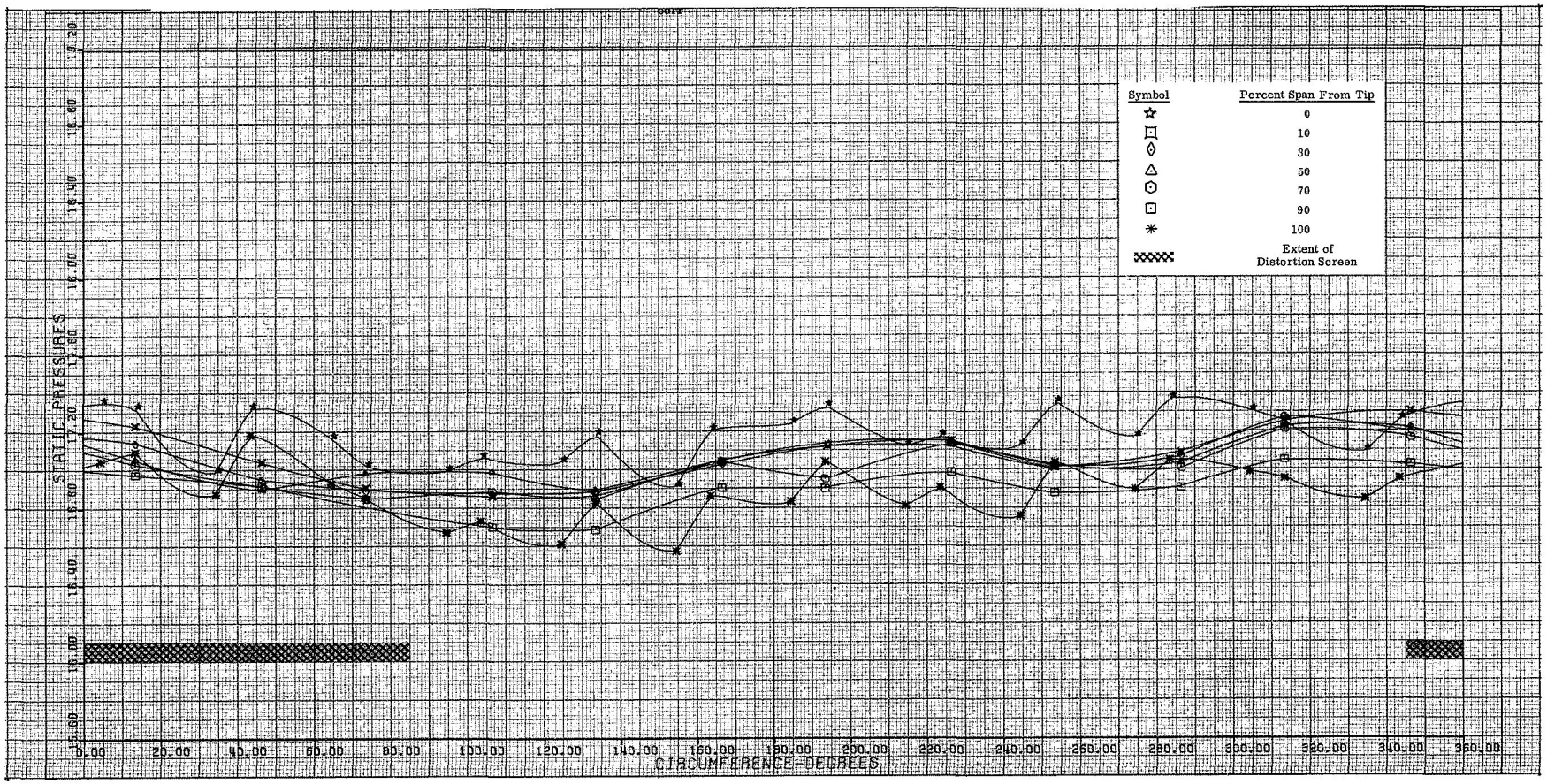


Figure 62. Stator Exit Static Pressure vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83993

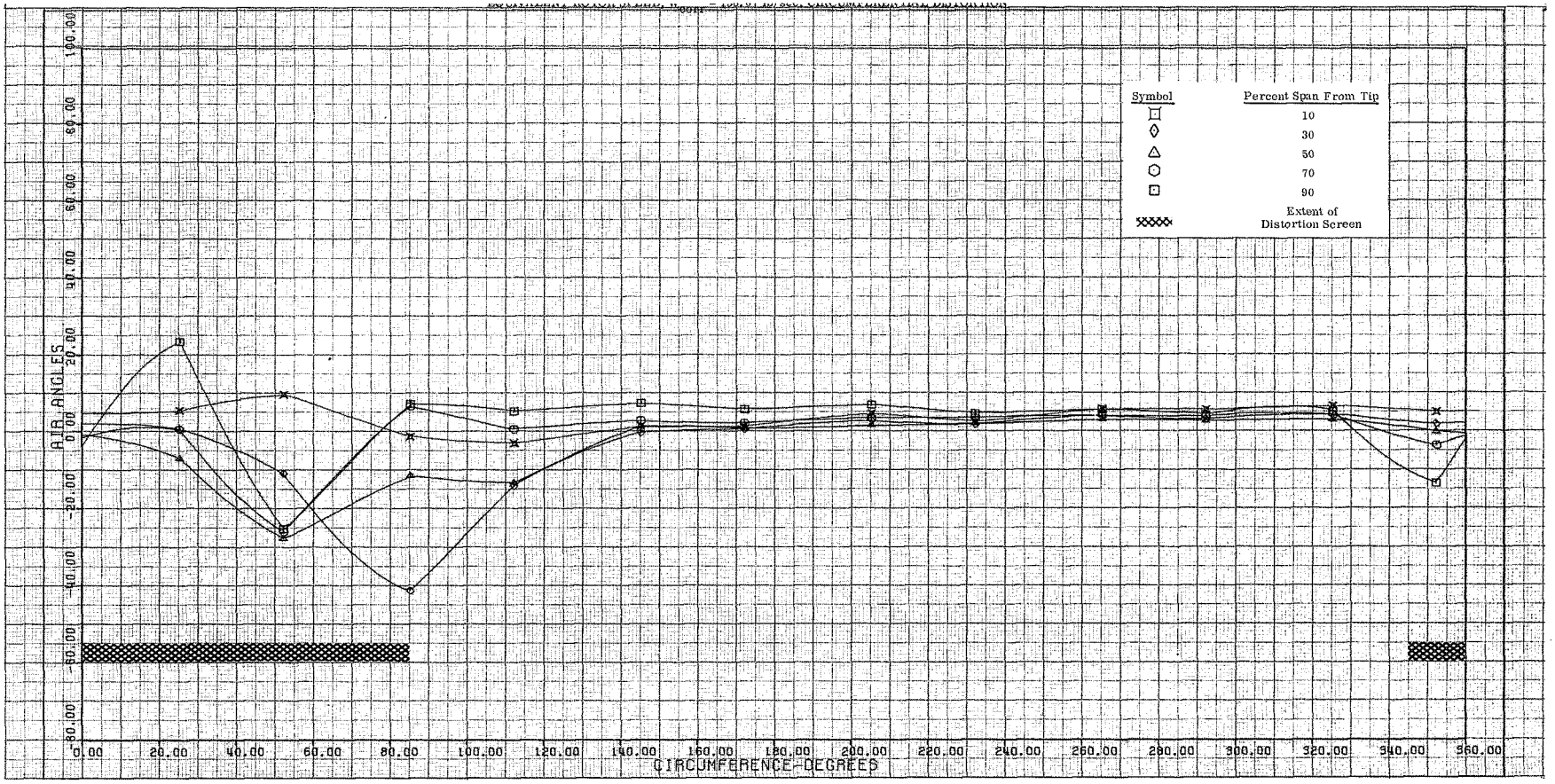


Figure 63. Stator Exit Air Angle vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion

DF 83994

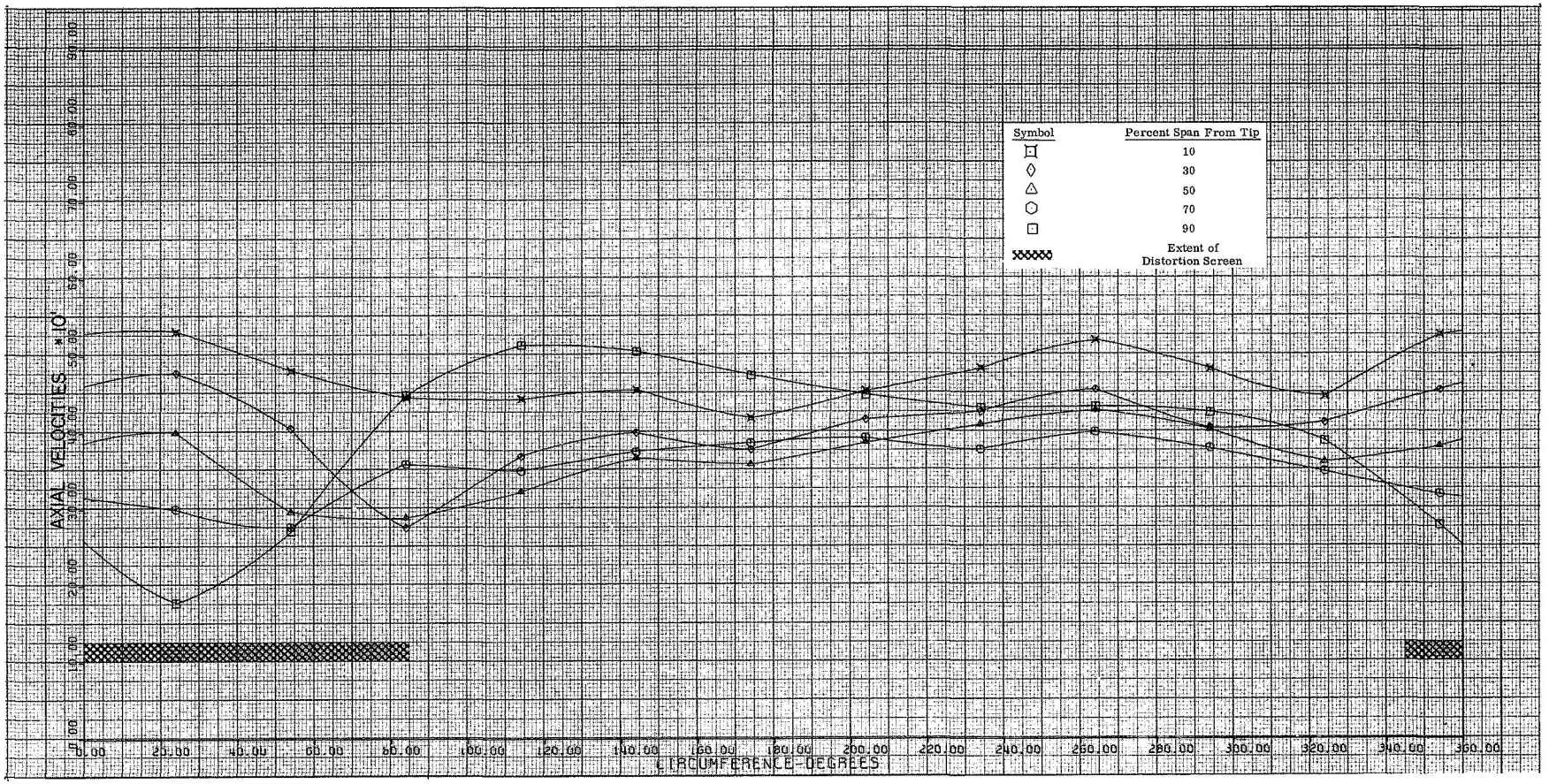


Figure 64. Stator Exit Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed, W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83995

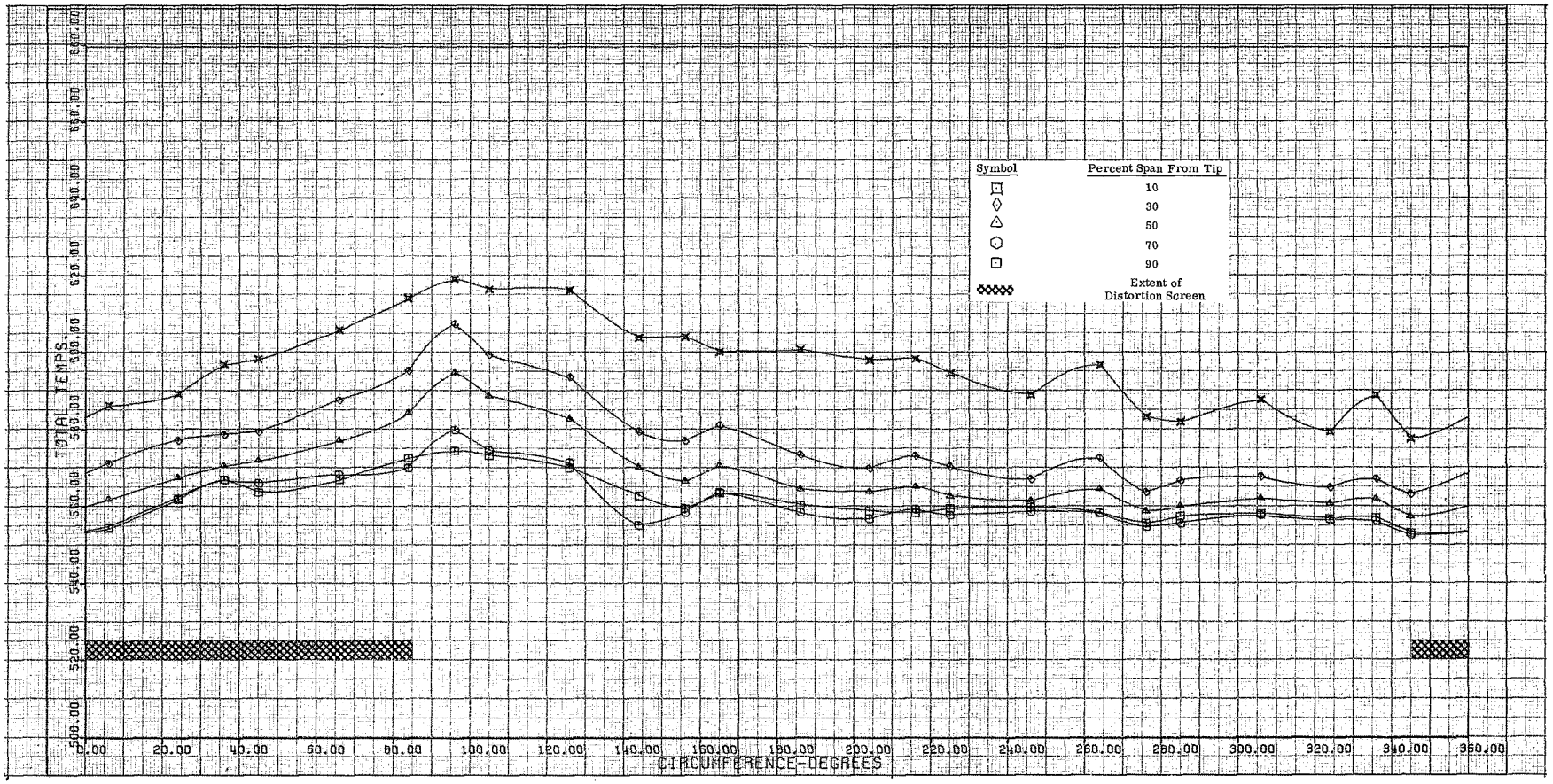


Figure 65. Stator Exit Total Temperature vs Circumference; Honeycomb Shroud Configuration; 90% Design Equivalent Rotor Speed; W_{corr} = 158.67 lb/sec; Circumferential Distortion DF 83996

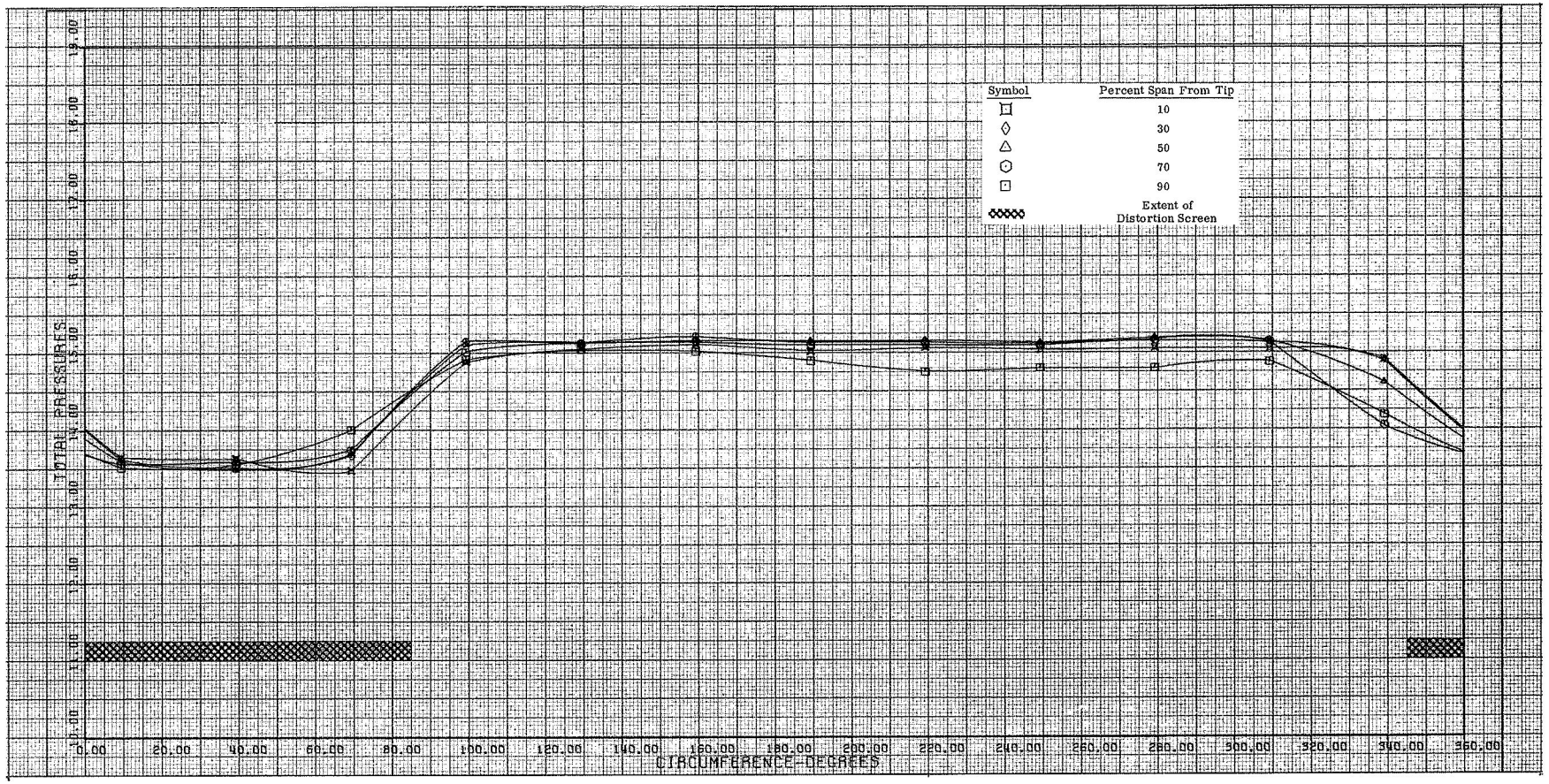


Figure 66. Rotor Inlet Total Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 223.00 lb/sec; Circumferential Distortion DF 83997

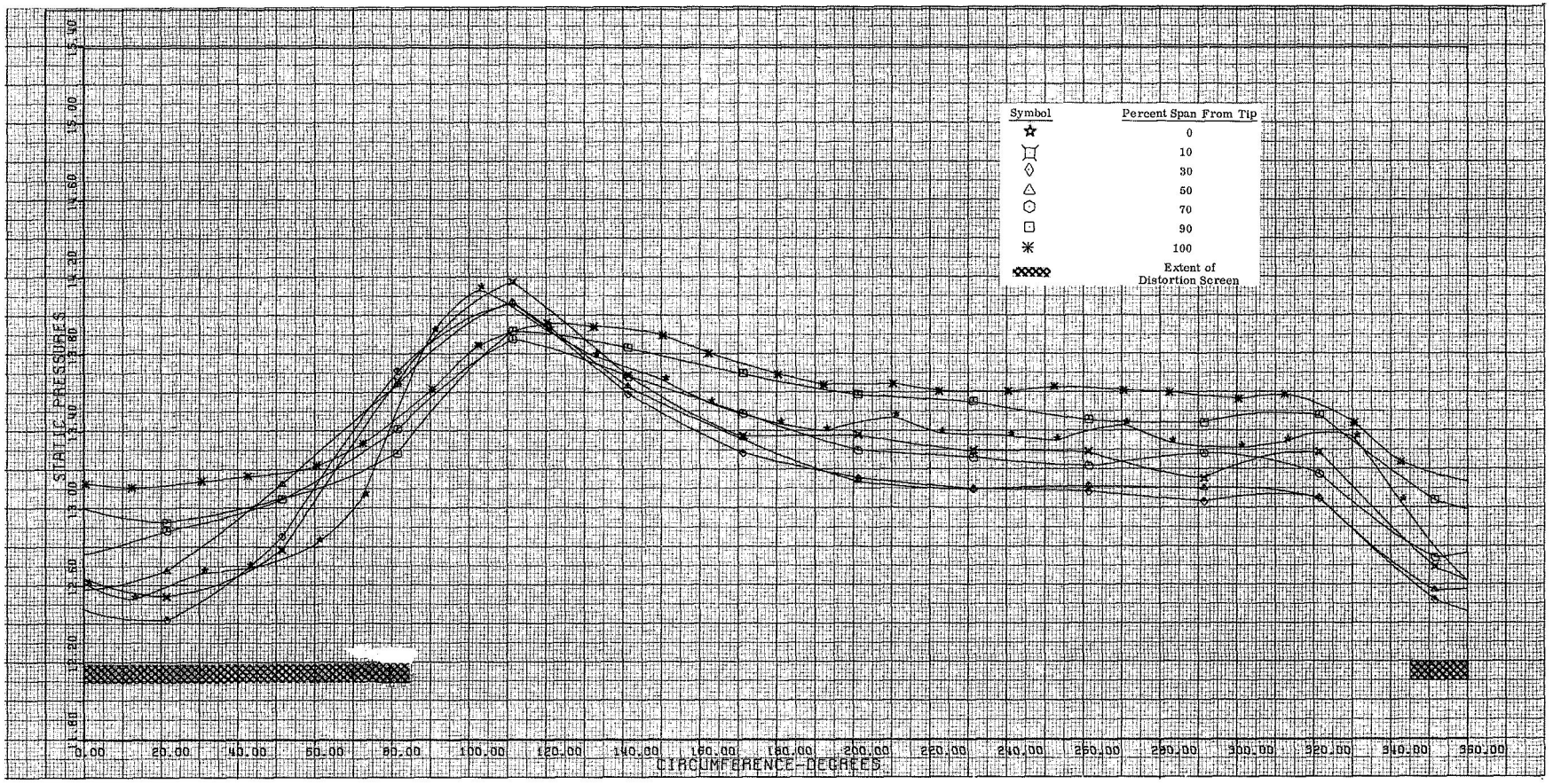


Figure 67. Rotor Inlet Static Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion DF 83998

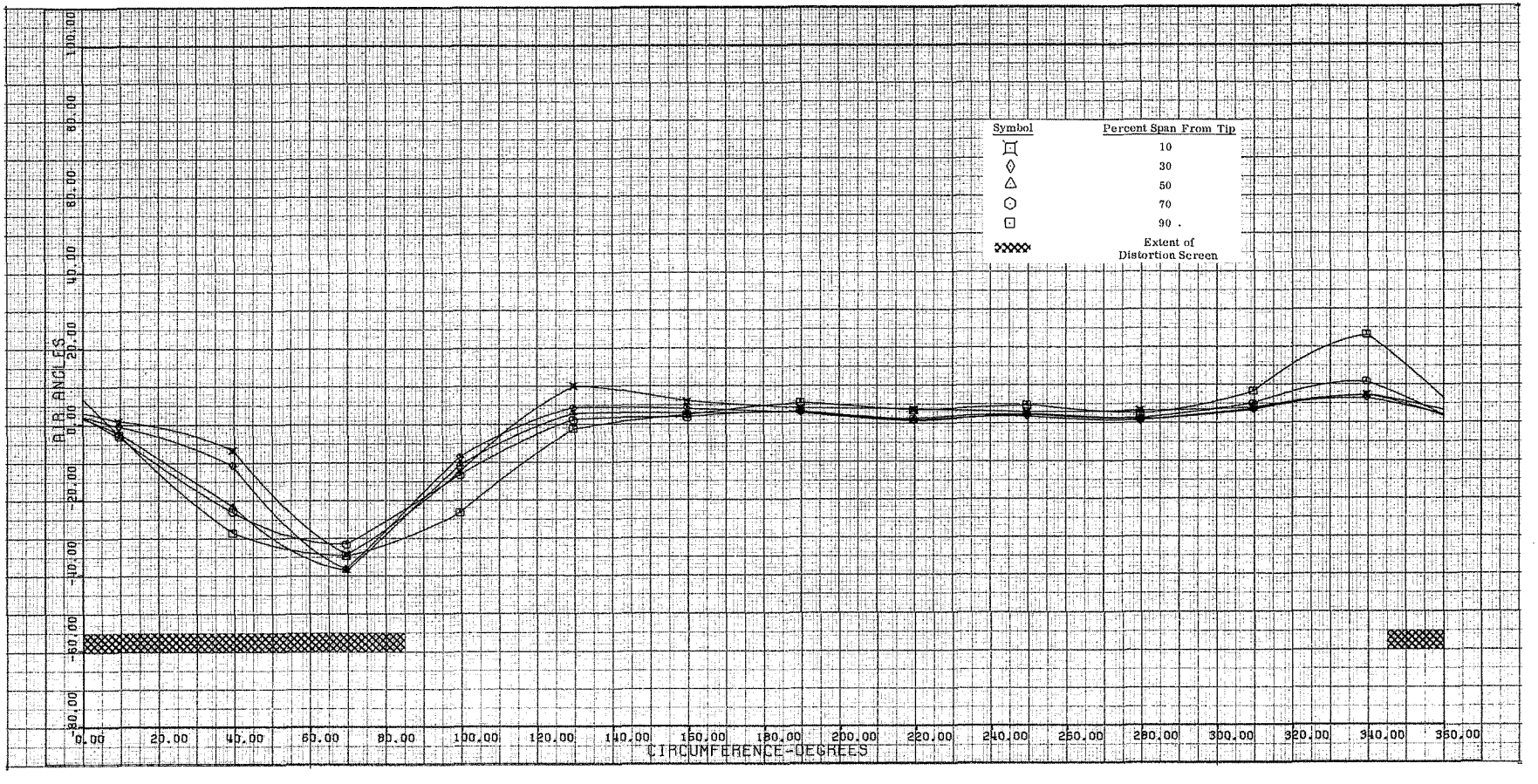


Figure 68. Rotor Inlet Air Angle vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion

DF 83999

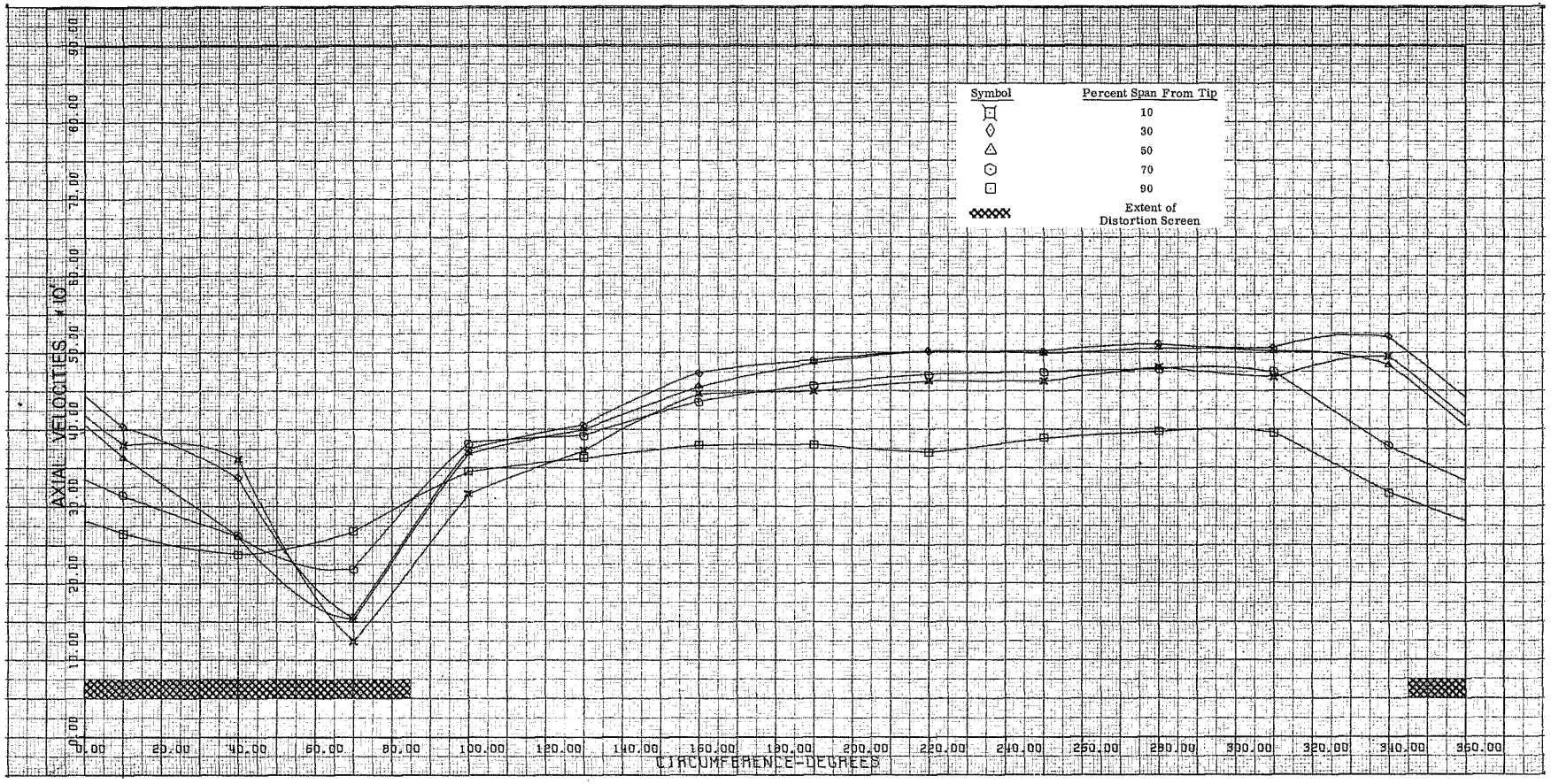


Figure 69. Rotor Inlet Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion

DF 84000

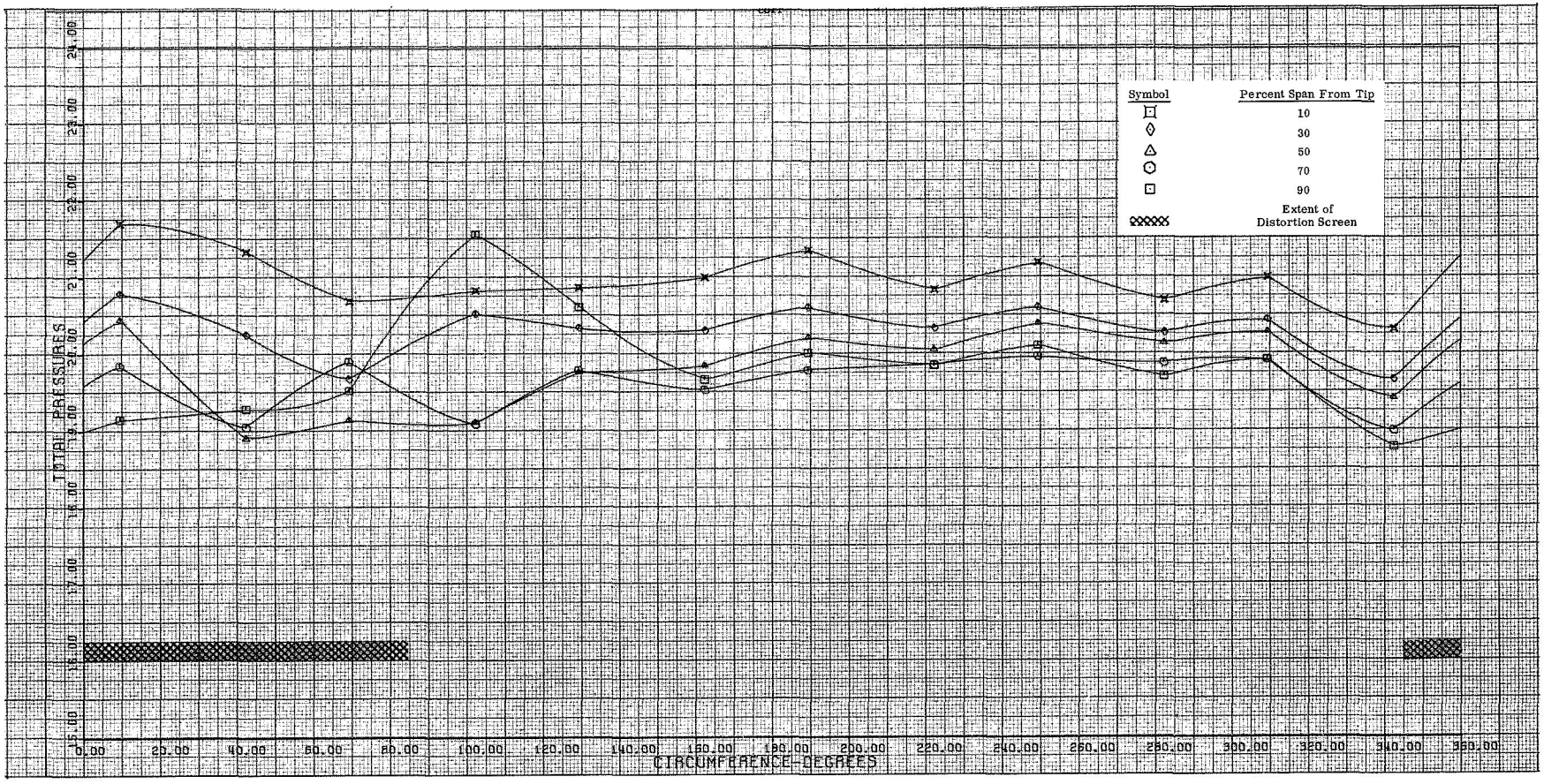


Figure 70. Stator Inlet Total Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion DF 84001

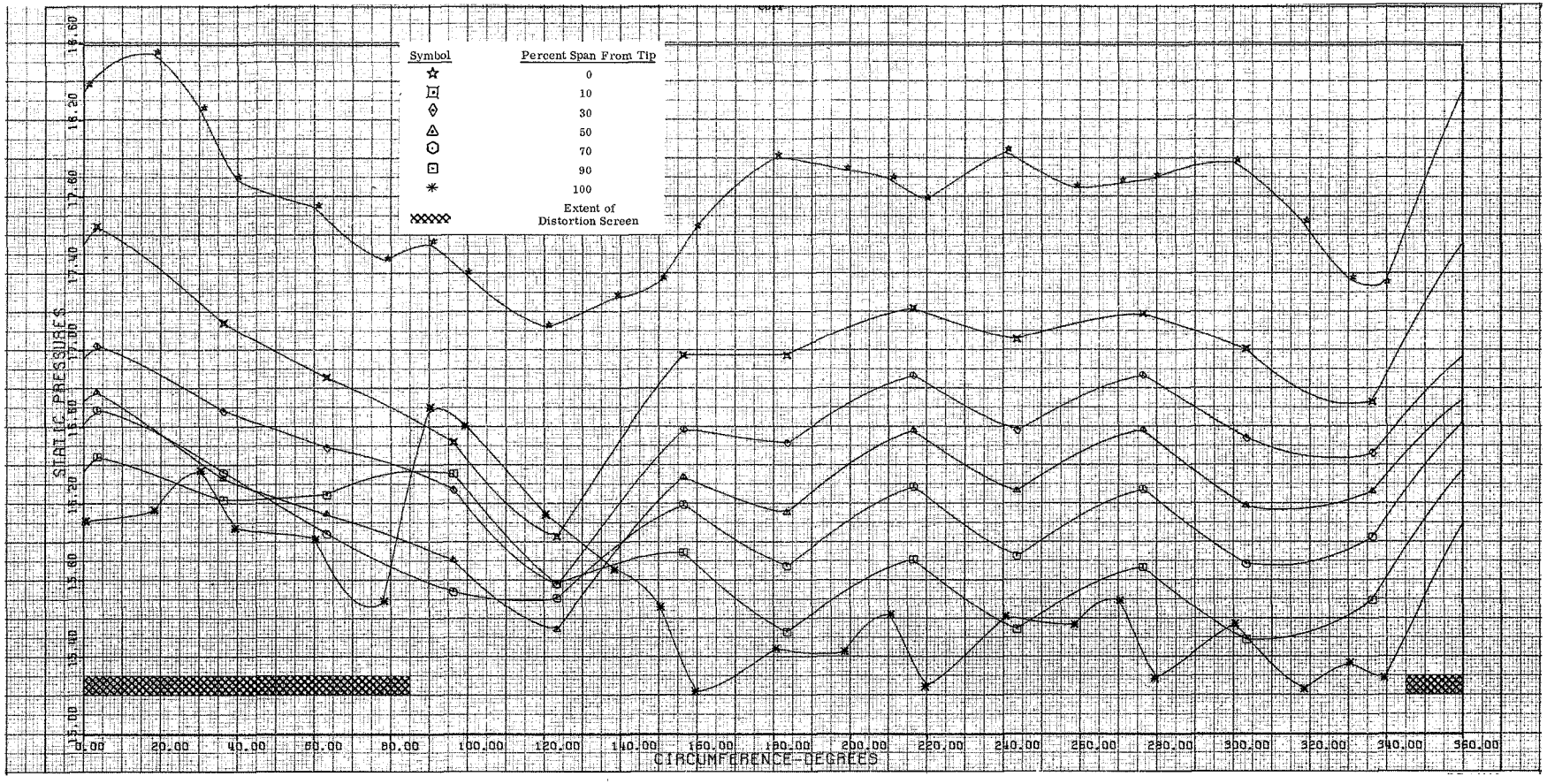


Figure 71. Stator Inlet Static Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion DF 84002

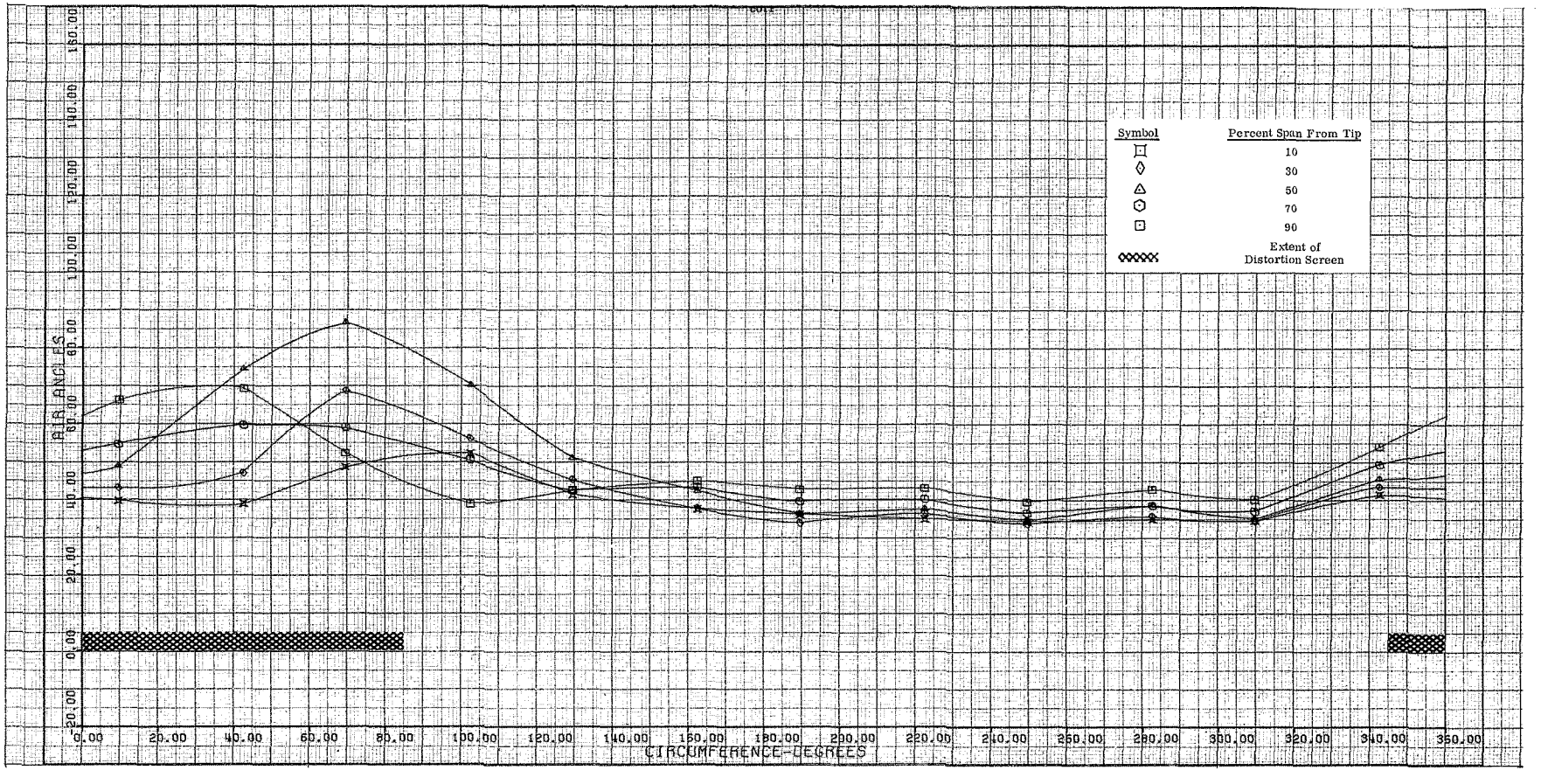


Figure 72. Stator Inlet Air Angle vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion

DF 84003

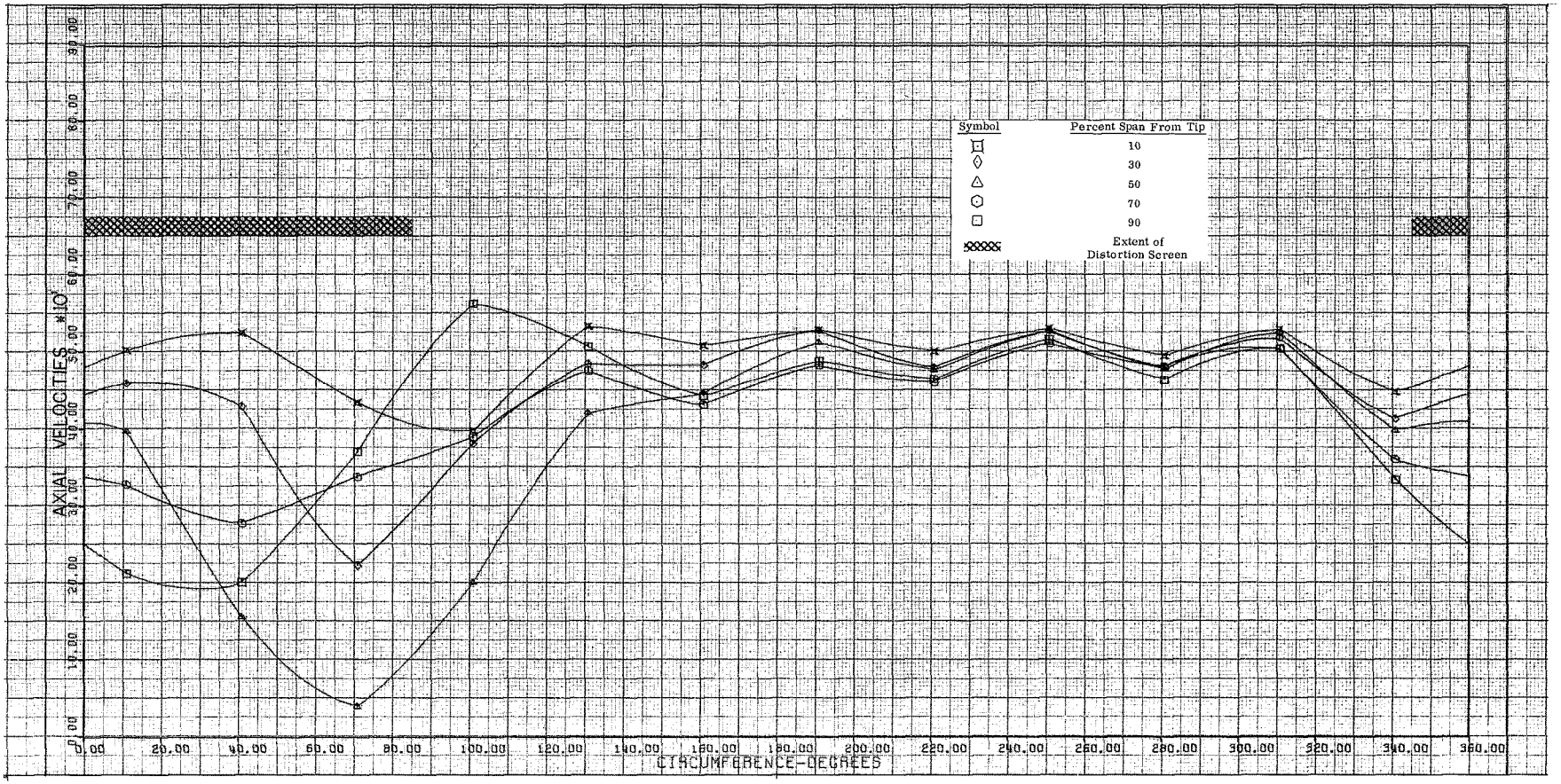


Figure 73. Stator Inlet Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion

DF 84004

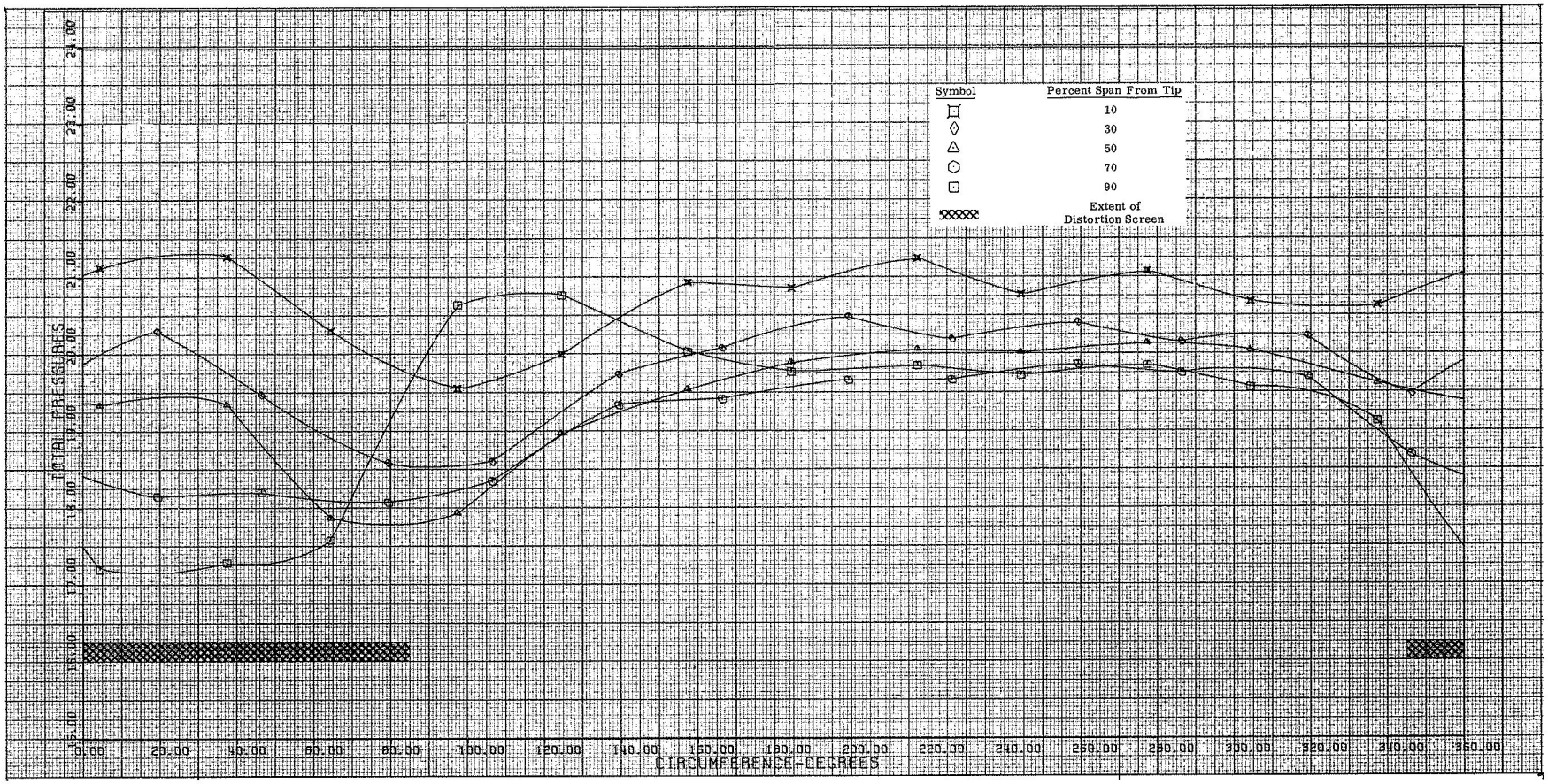


Figure 74. Stator Exit Total Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion DF 84005

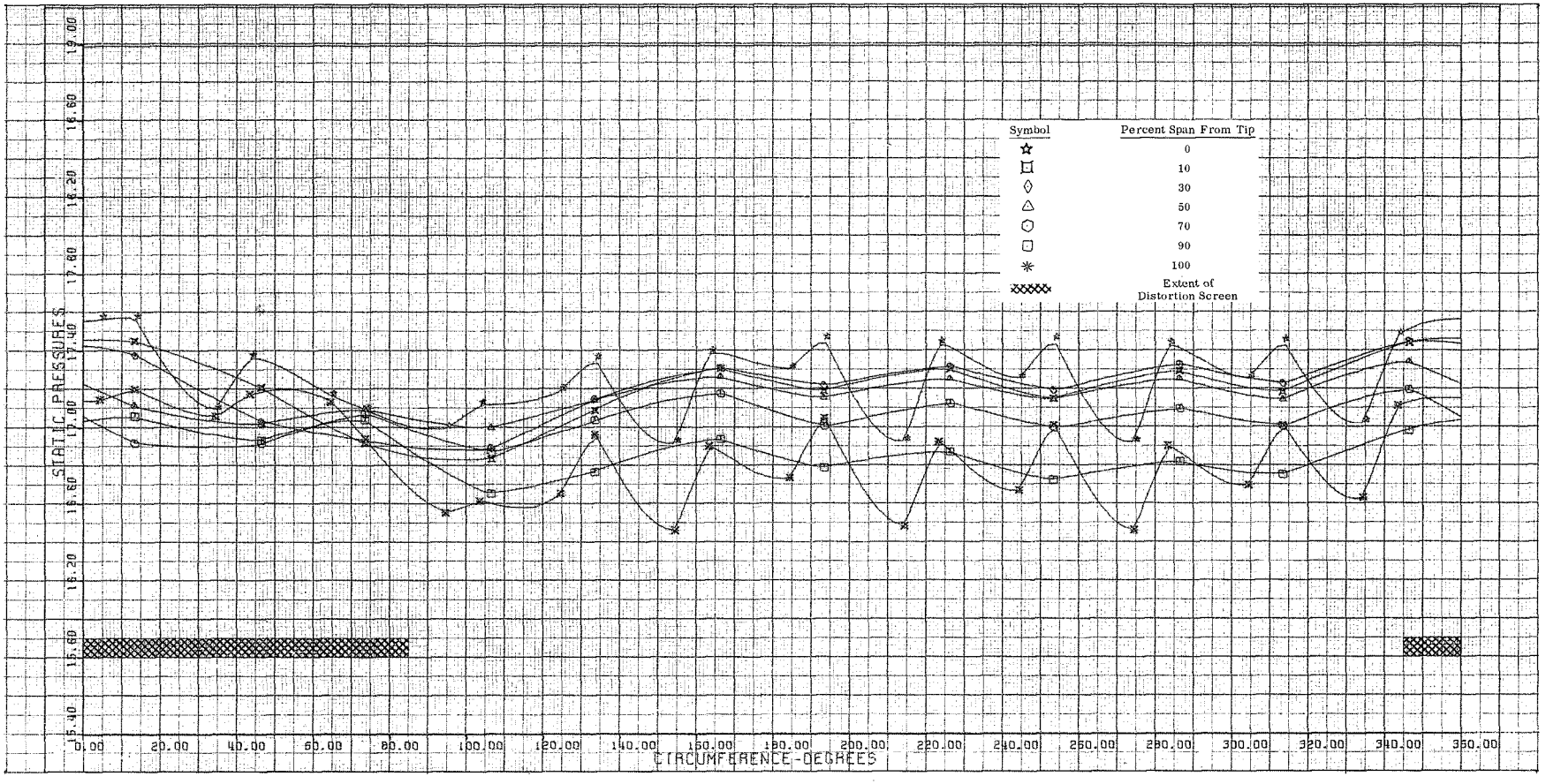


Figure 75. Stator Exit Static Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.00 lb/sec; Circumferential Distortion DF 84006

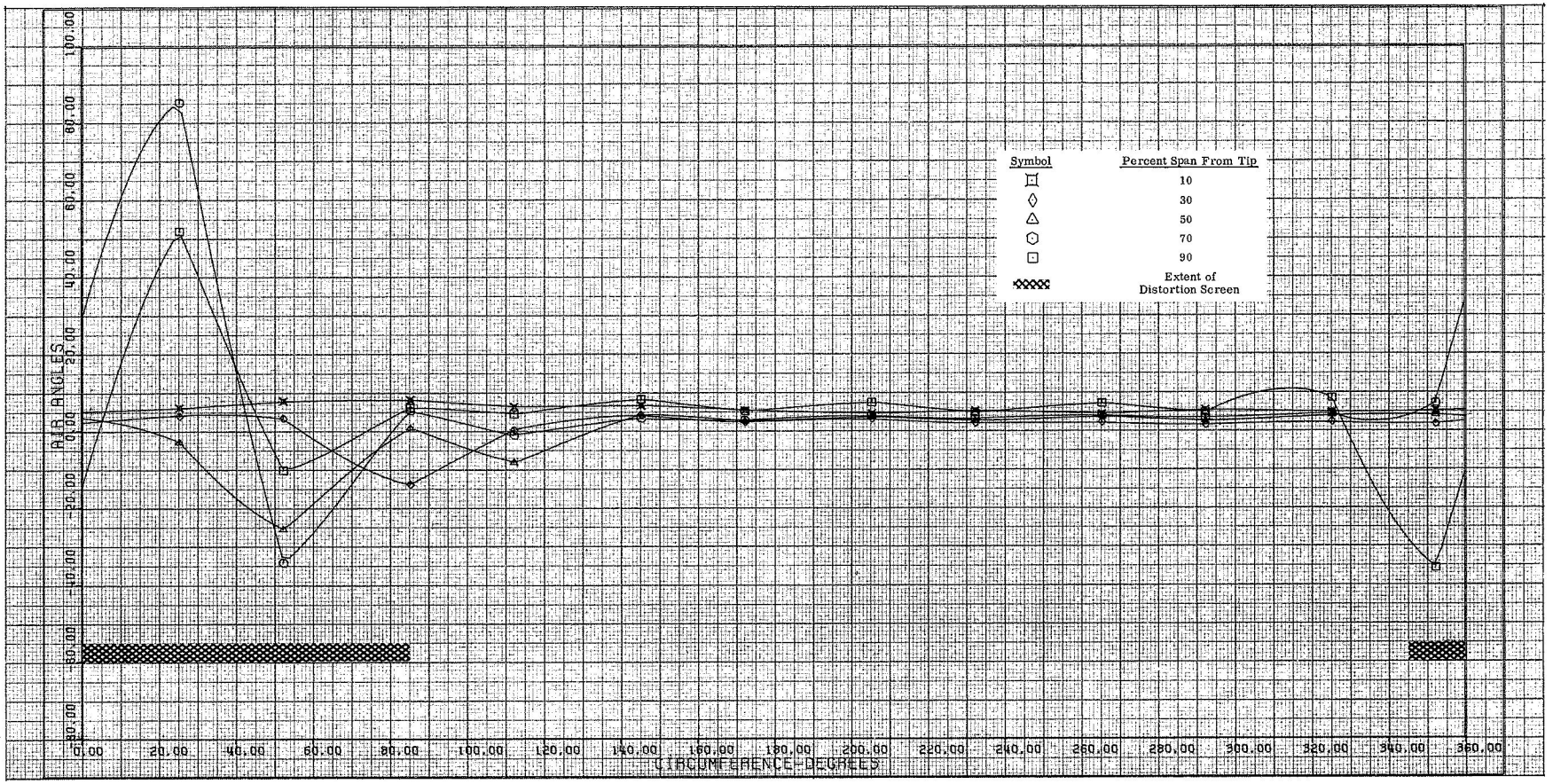


Figure 76. Stator Exit Air Angle vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.000 lb/sec; Circumferential Distortion DF 84007

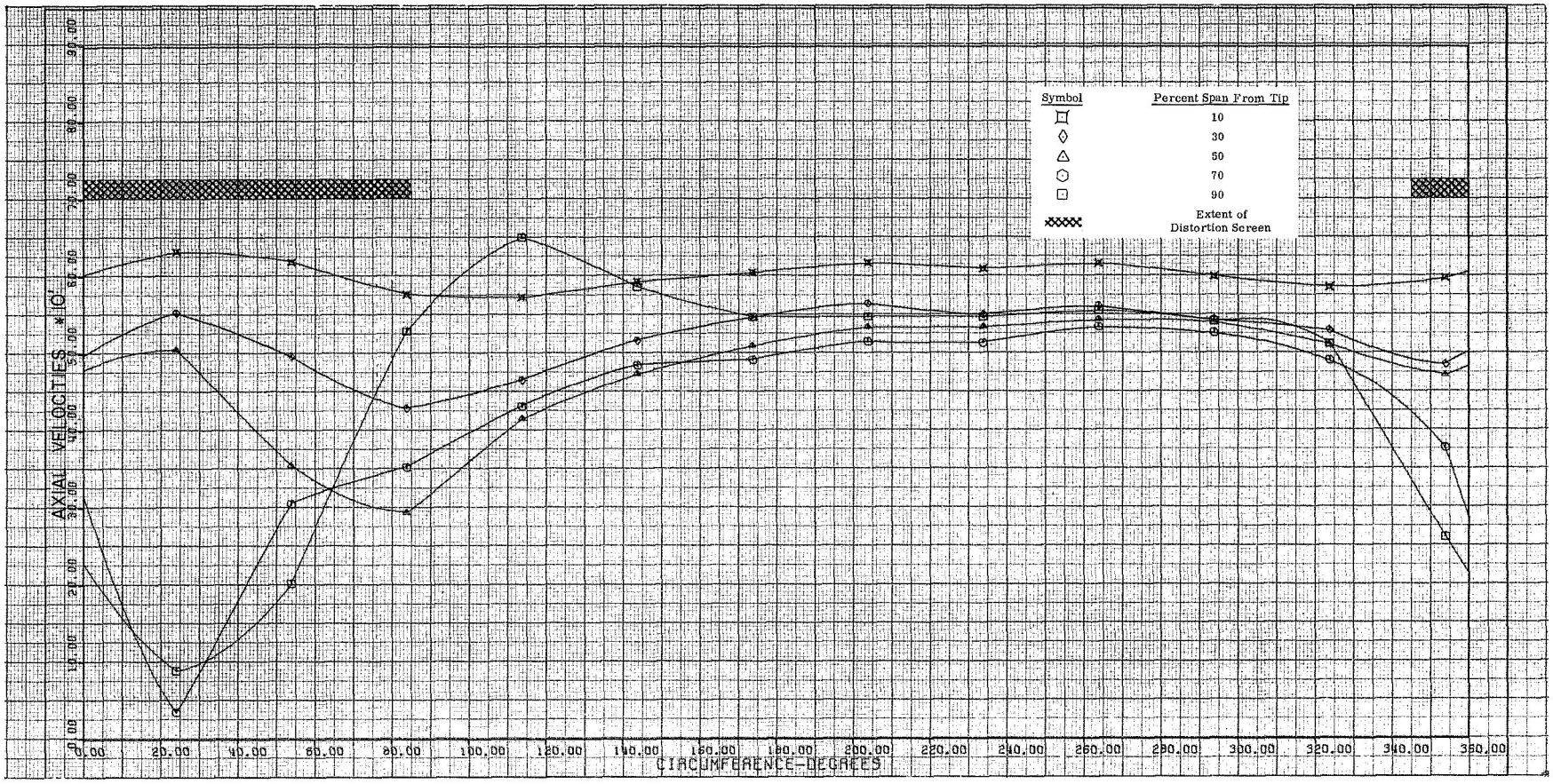


Figure 77. Stator Exit Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.000 lb/sec; Circumferential Distortion DF 84008

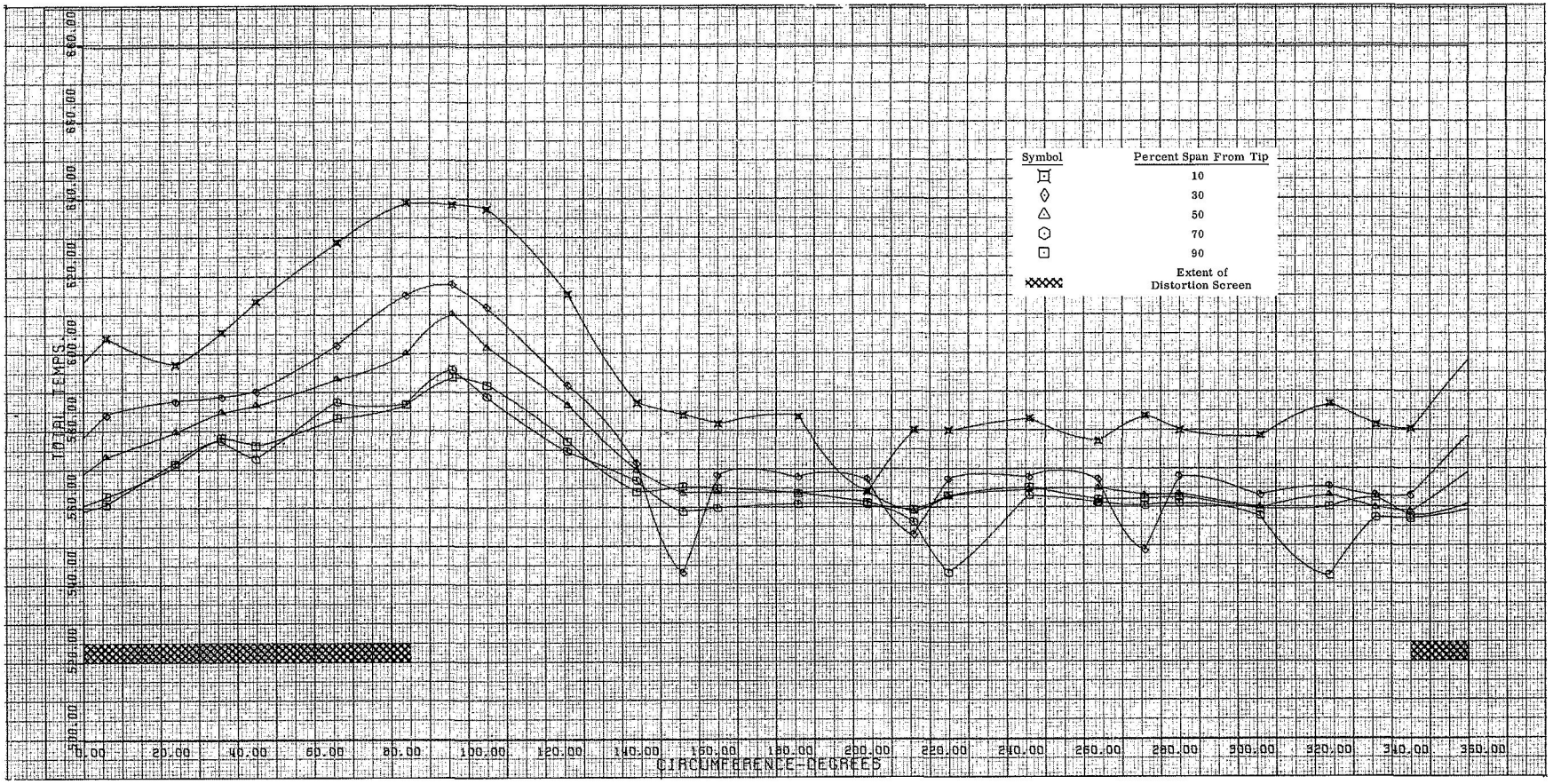


Figure 78. Stator Exit Total Temperature vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 223.000 lb/sec; Circumferential Distortion

DF 84009

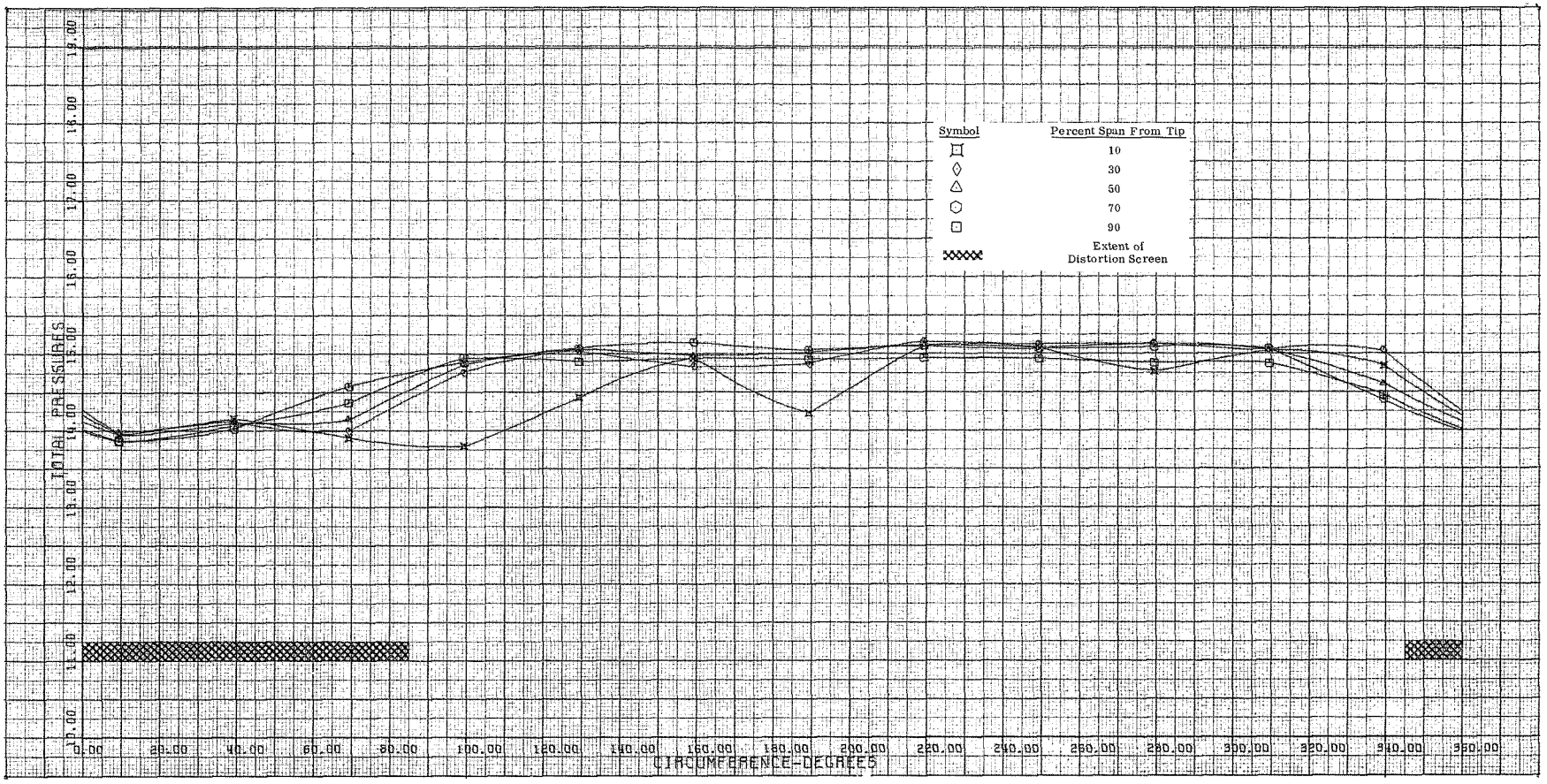


Figure 79. Rotor Inlet Total Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 188.71 lb/sec; Circumferential Distortion

DF 84010

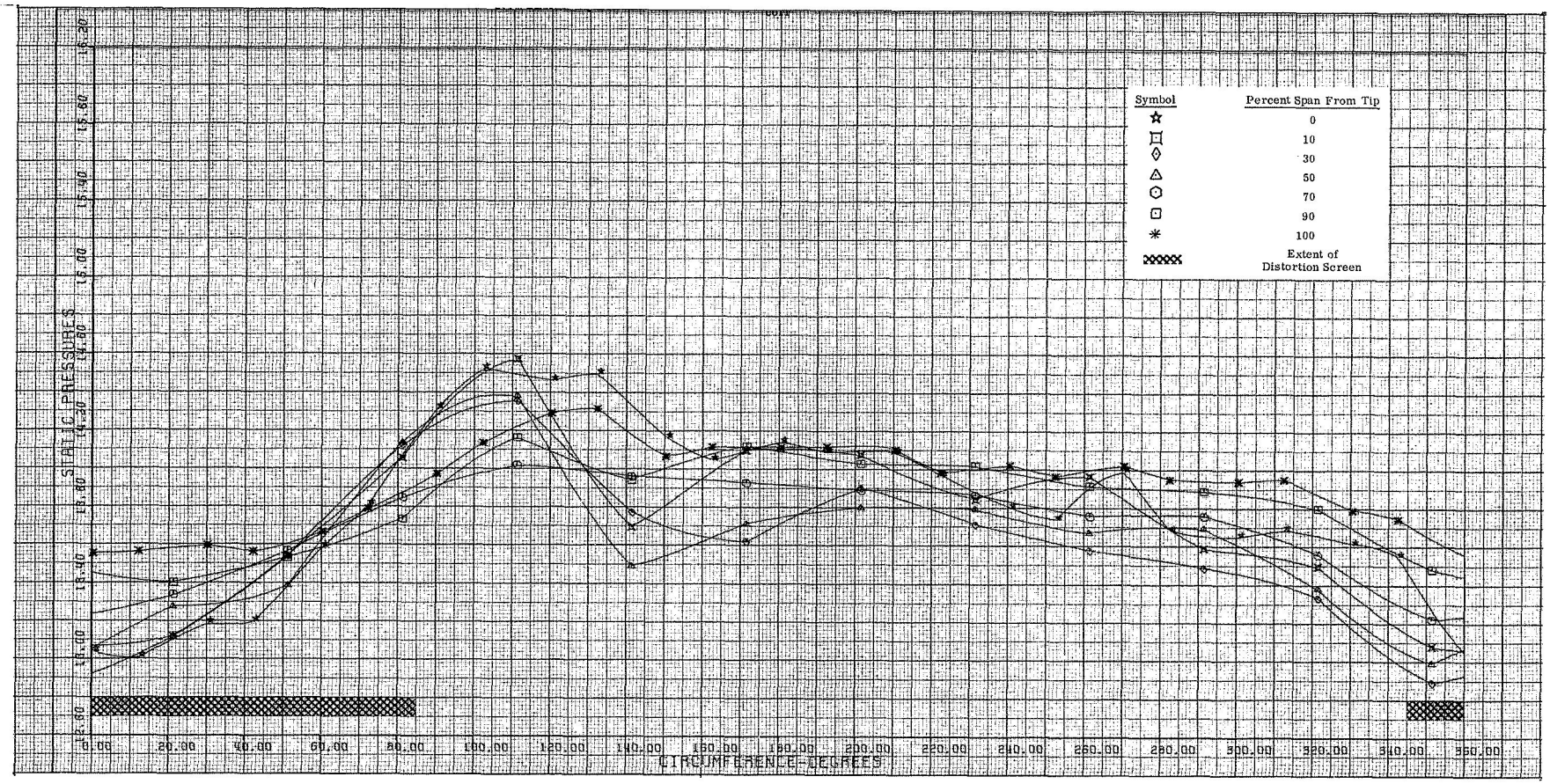


Figure 80. Rotor Inlet Static Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84011

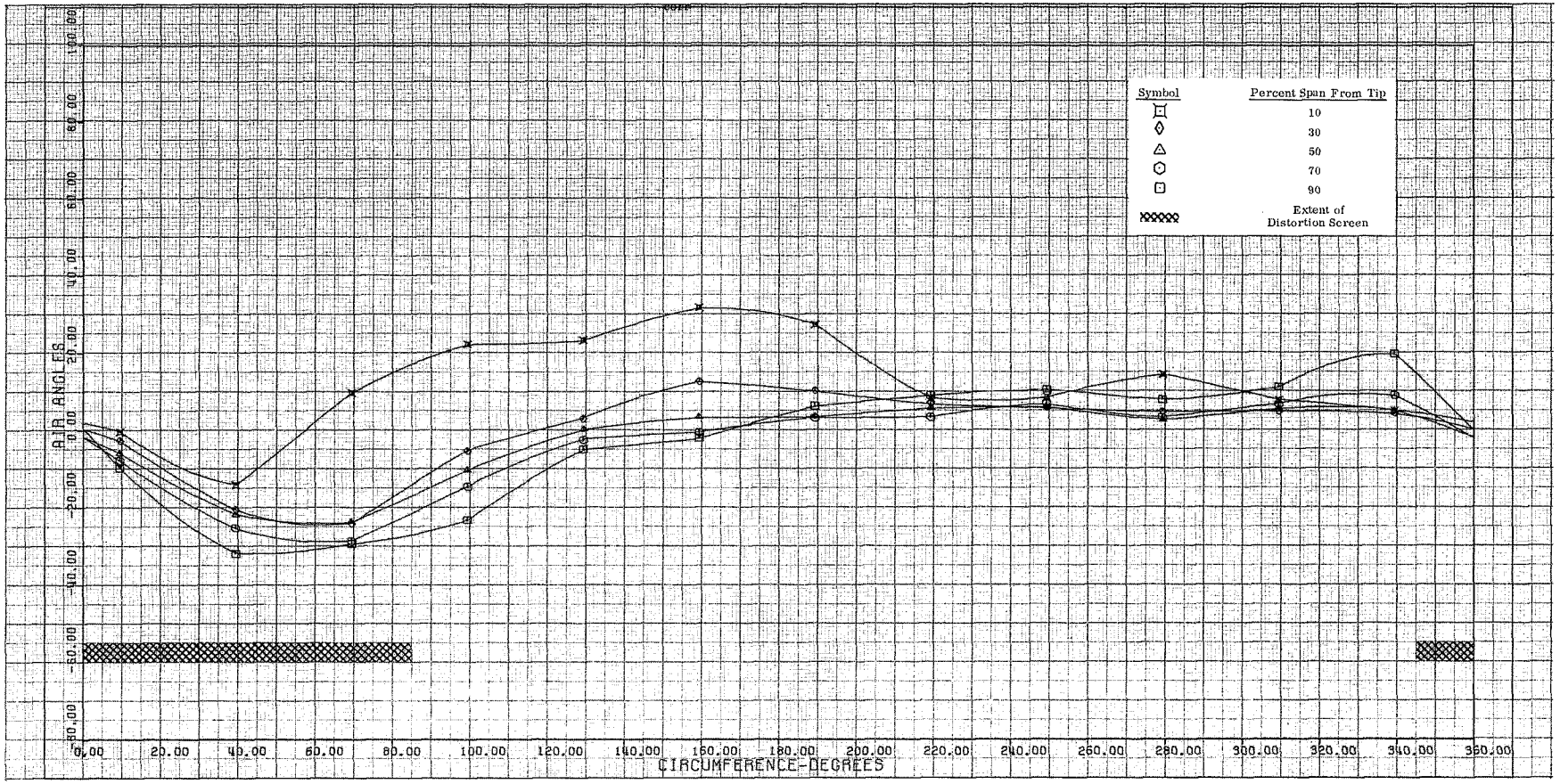


Figure 81. Rotor Inlet Air Angle vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed, W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84012

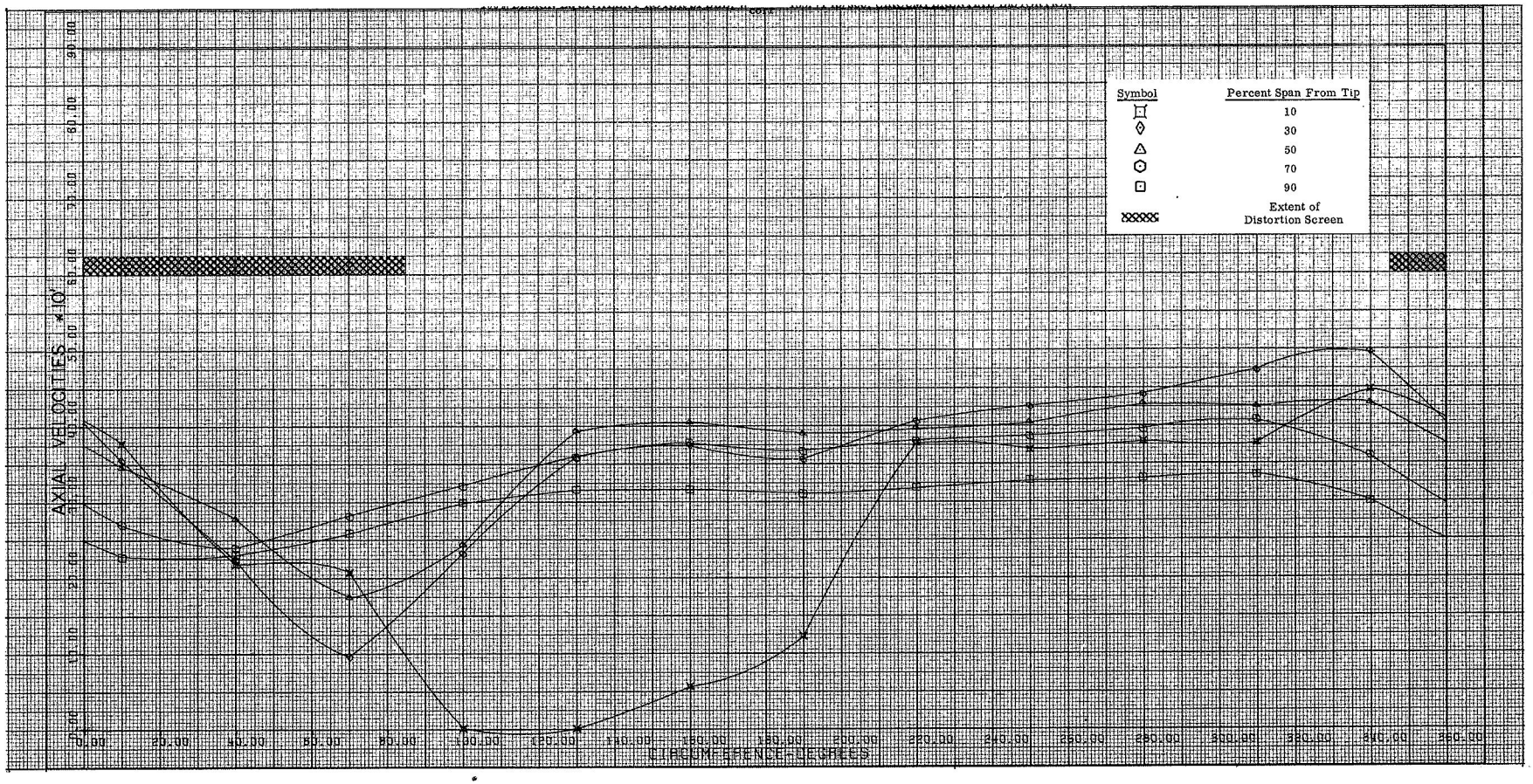


Figure 82. Rotor Inlet Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84013

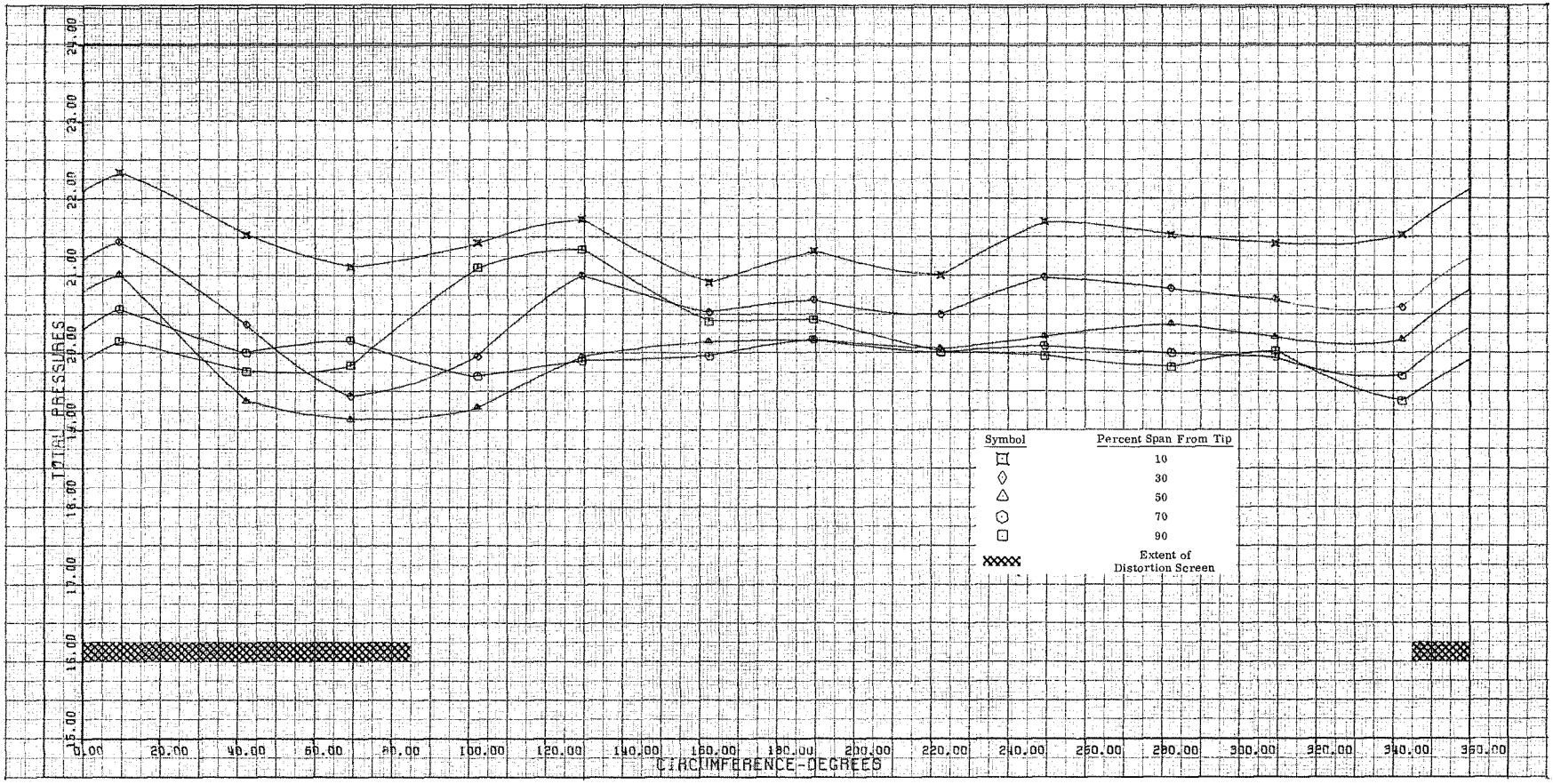


Figure 83. Stator Inlet Total Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84014

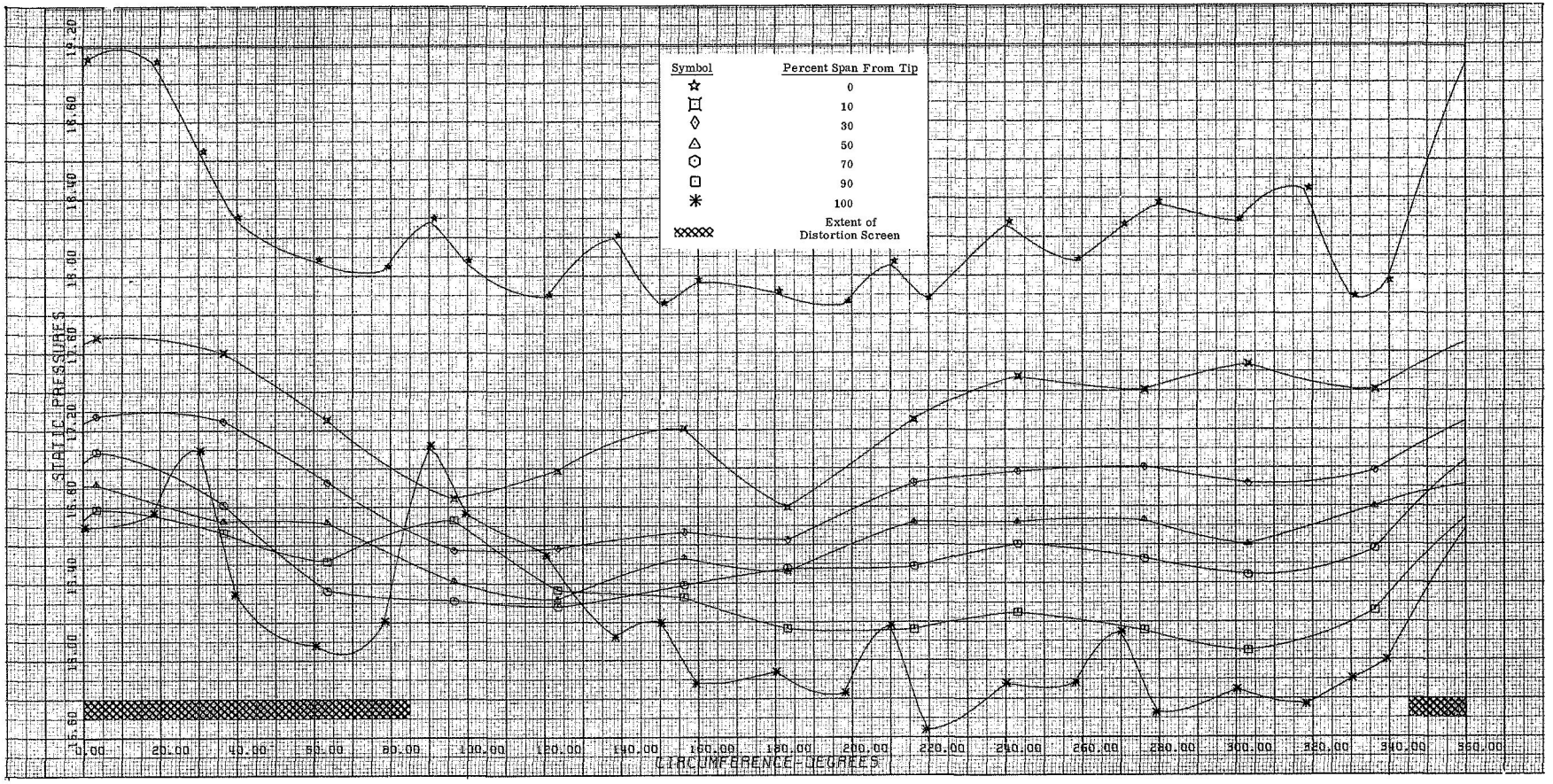


Figure 84. Stator Inlet Static Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84015

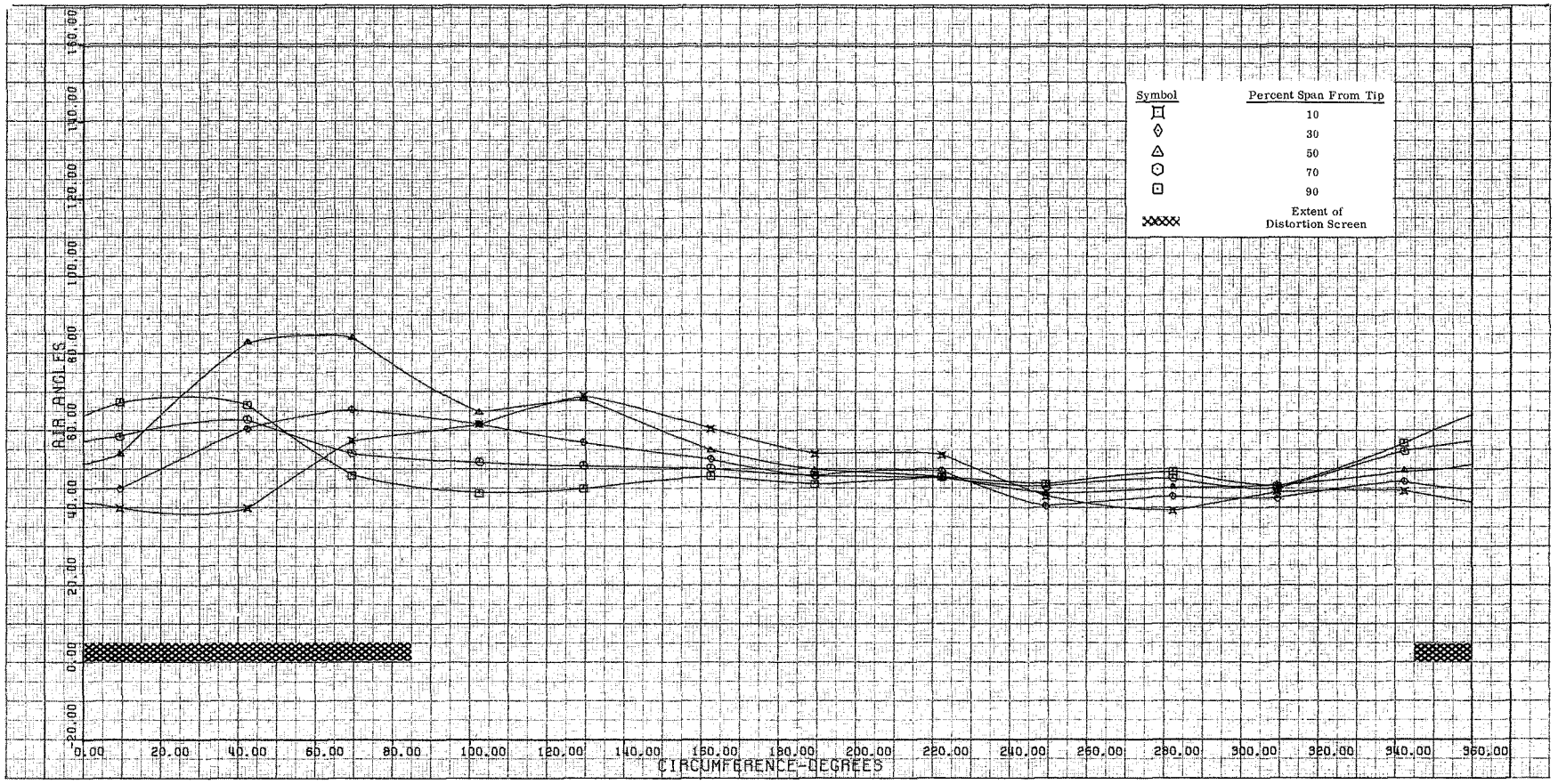


Figure 85. Stator Inlet Air Angle vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84016

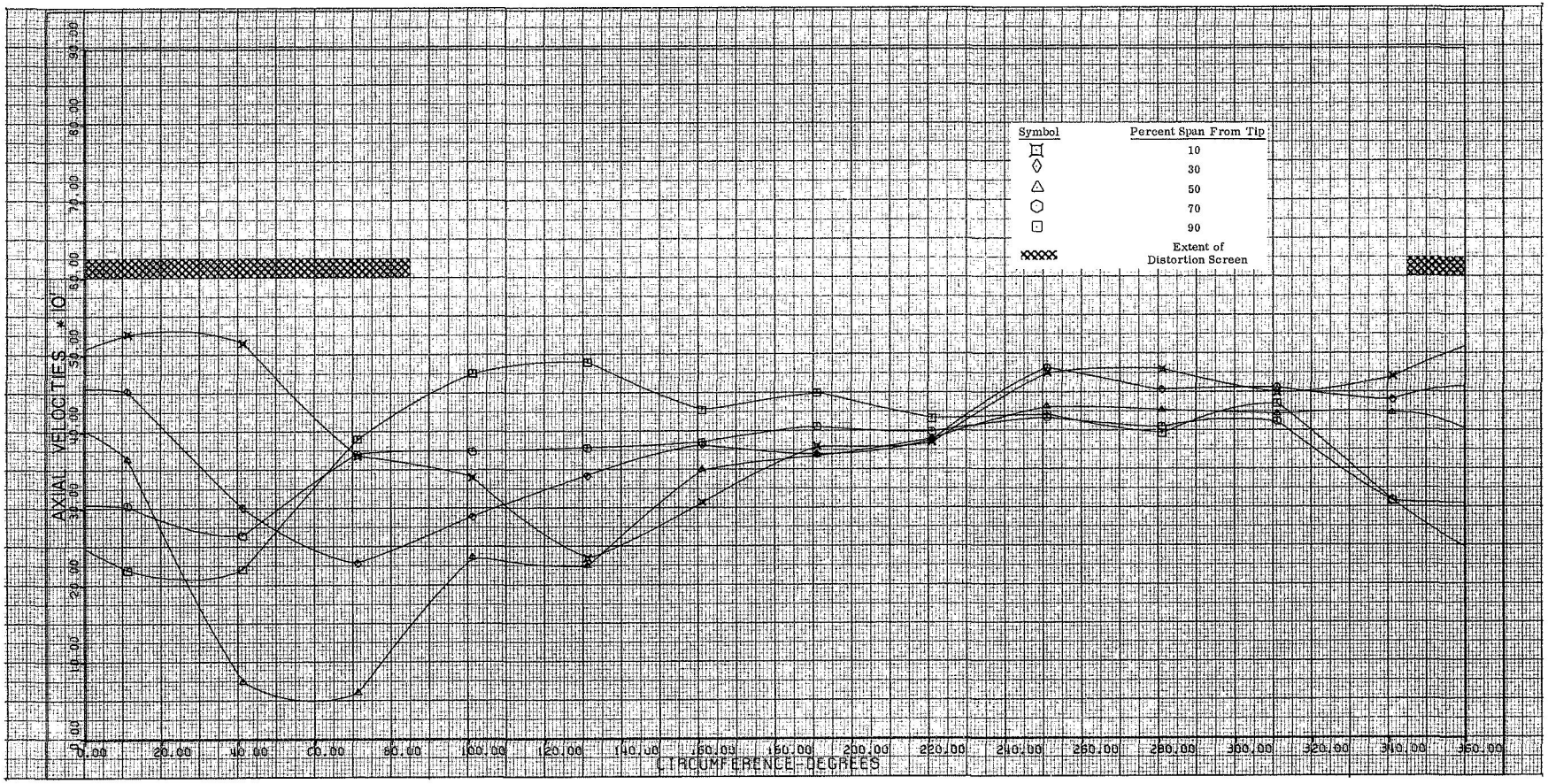


Figure 86. Stator Inlet Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion

DF 84017

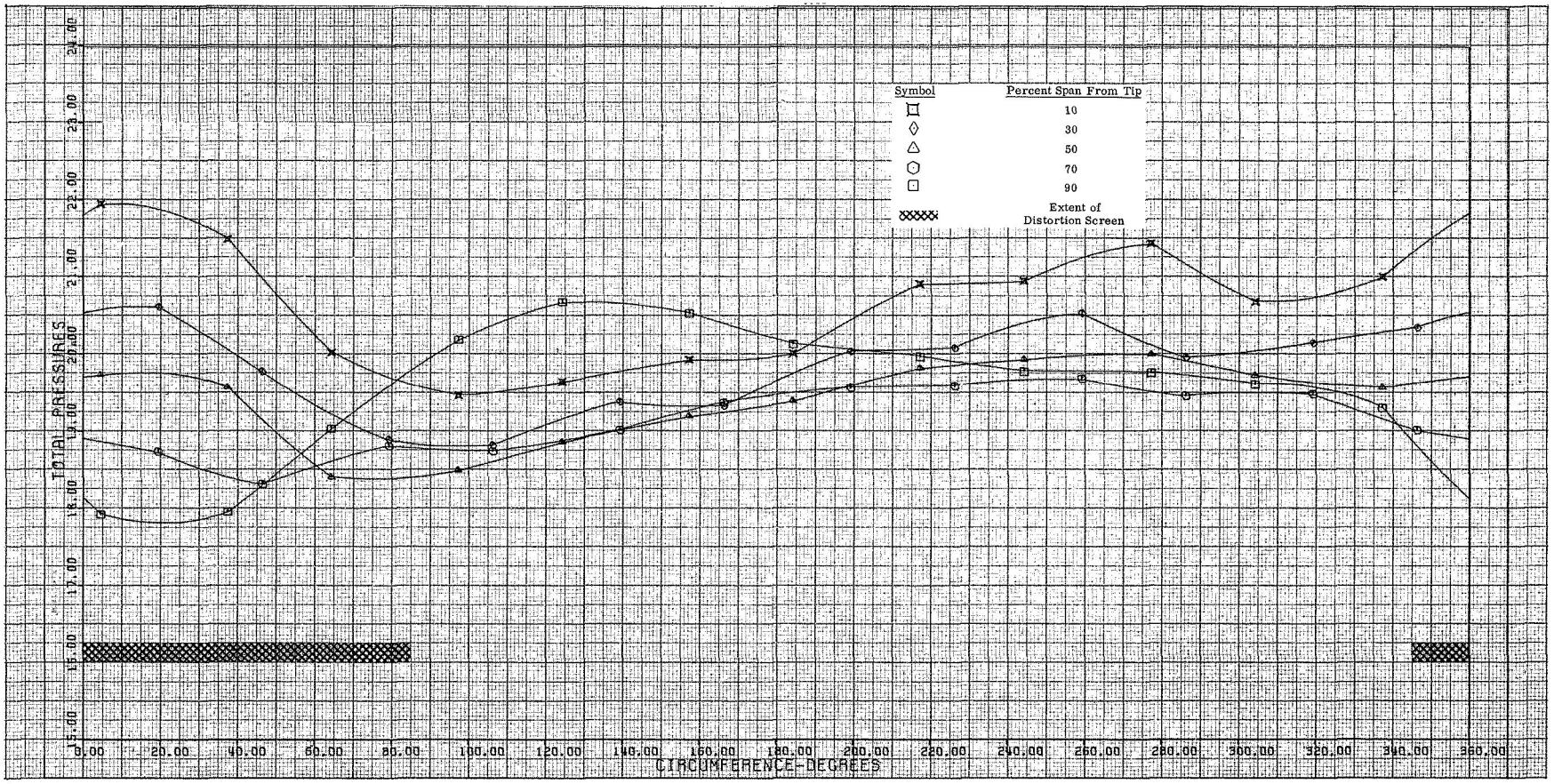


Figure 87. Stator Exit Total Pressure vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84018

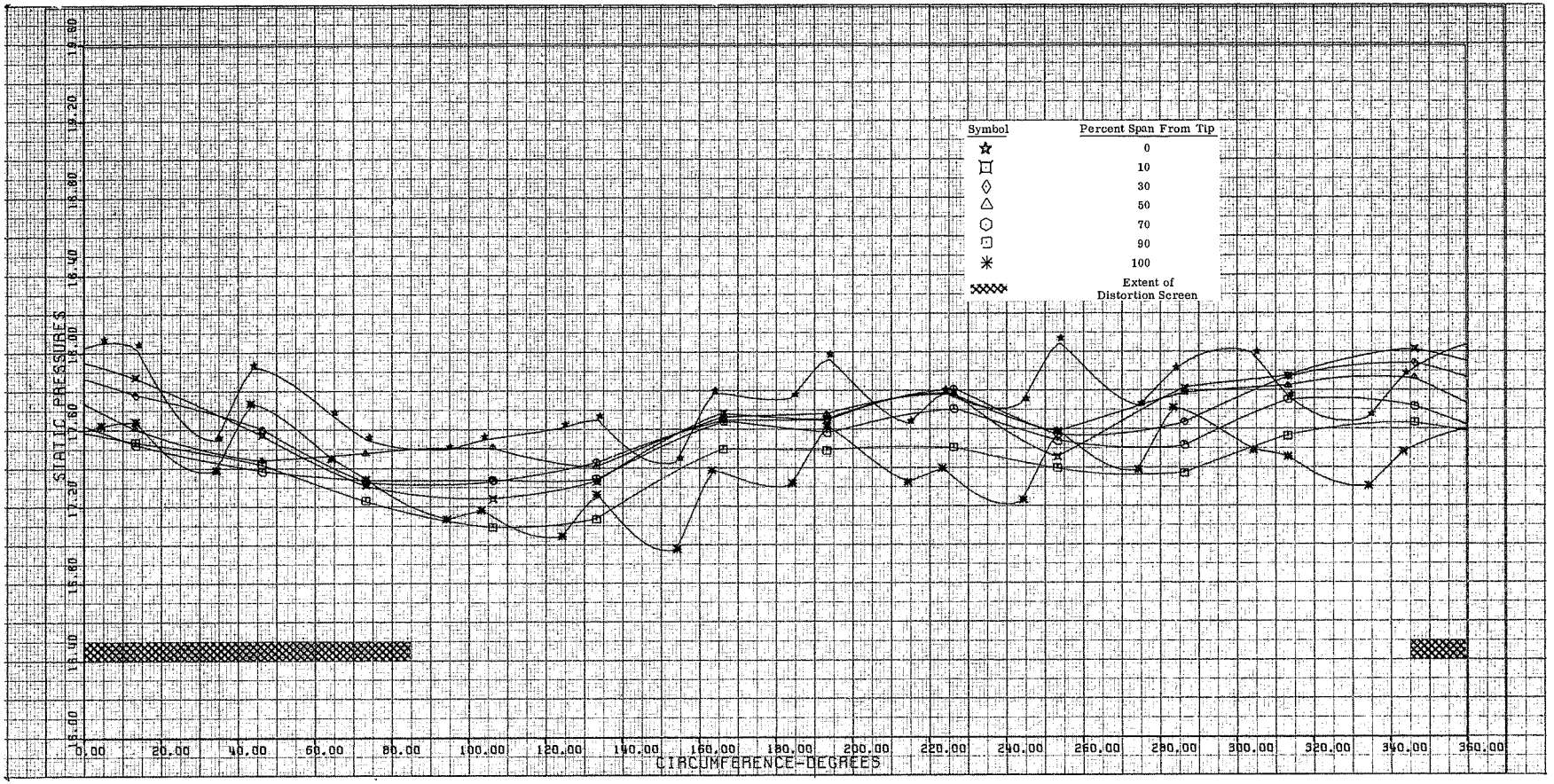


Figure 88. Stator Exit Static Pressure vs Circumference; Honeycomb Shroud Configuration, 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion

DF 84019

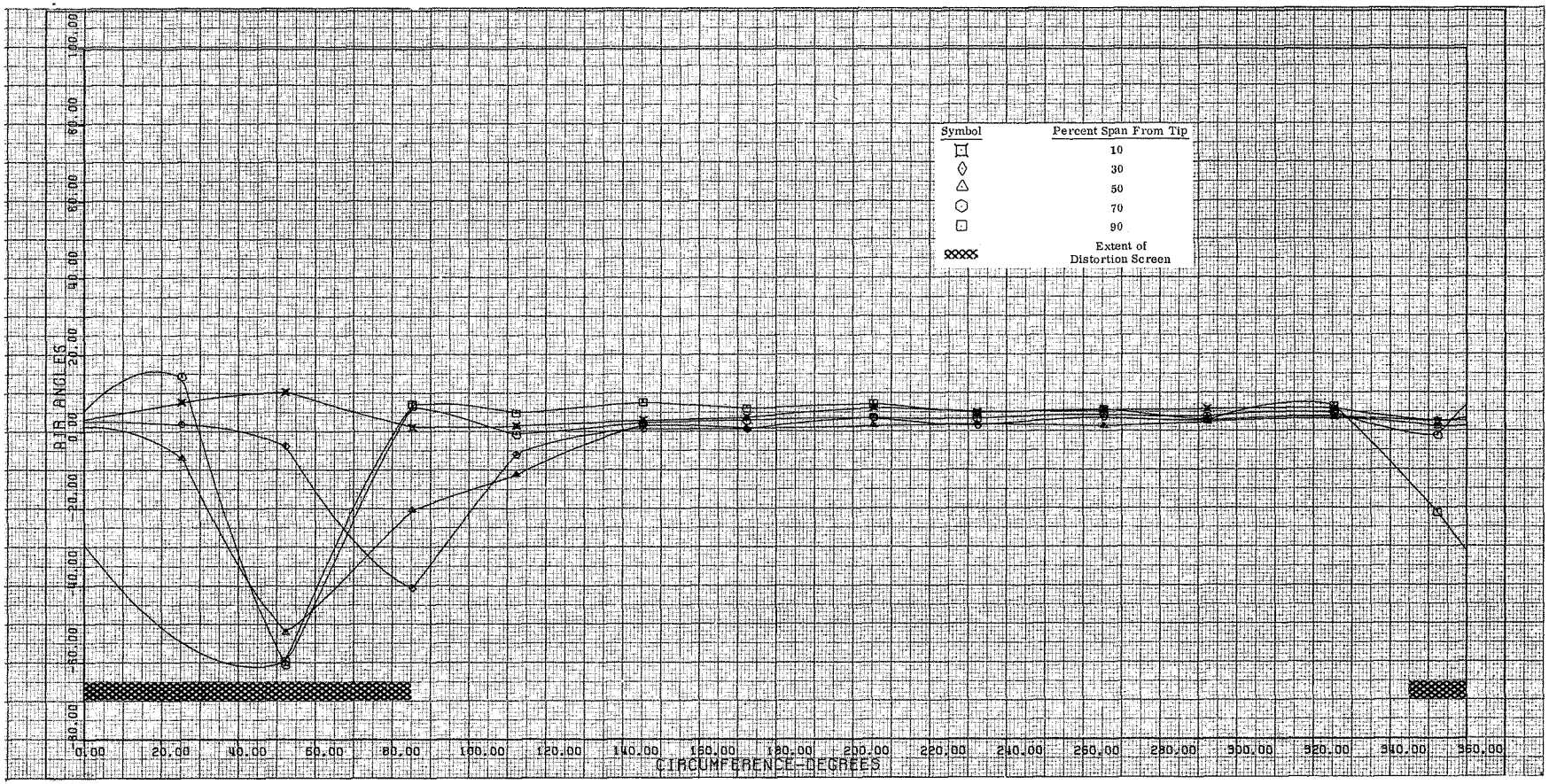


Figure 89. Stator Exit Air Angle vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion

DF 84020

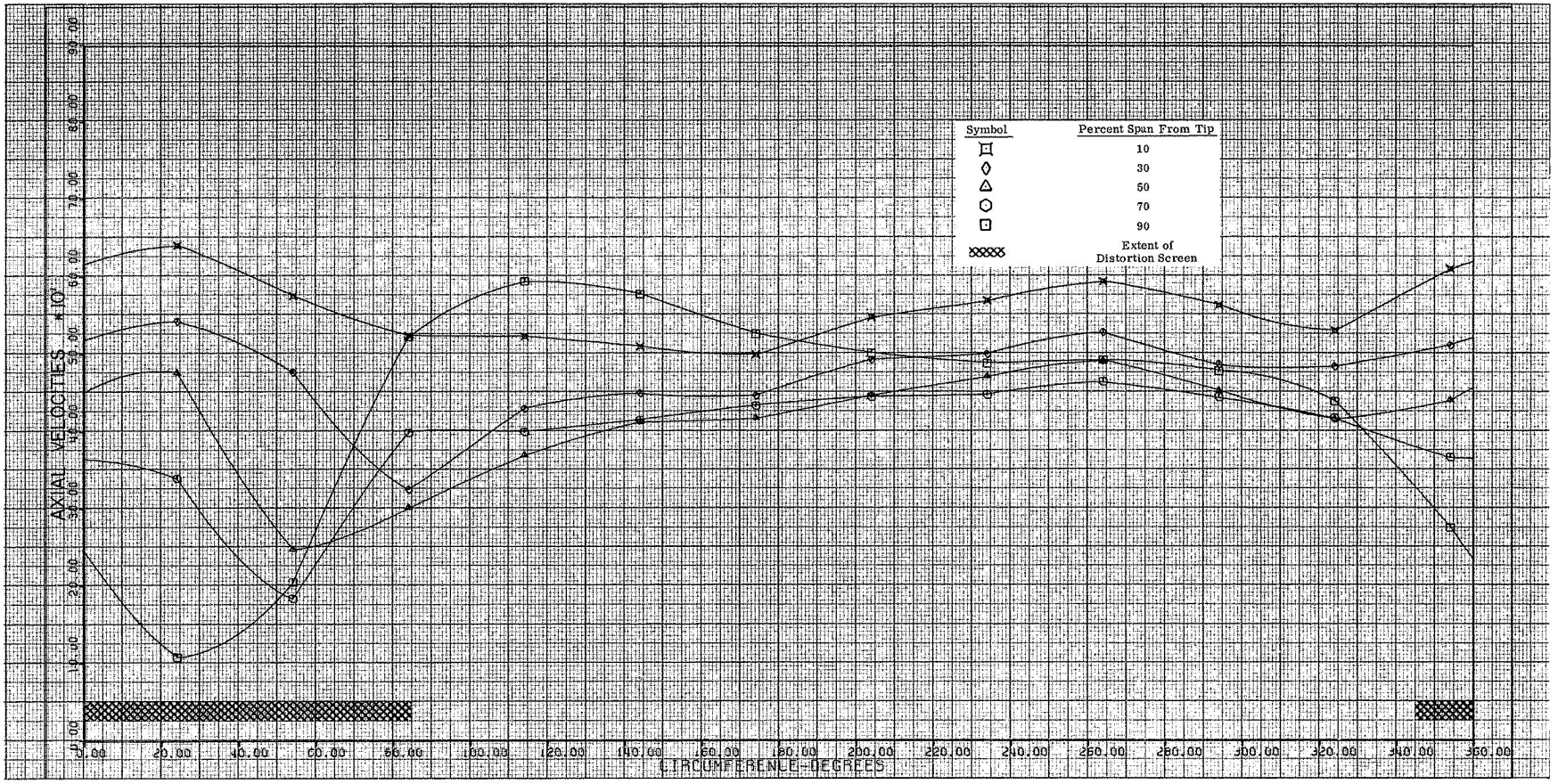


Figure 90. Stator Exit Axial Velocity vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion DF 84021

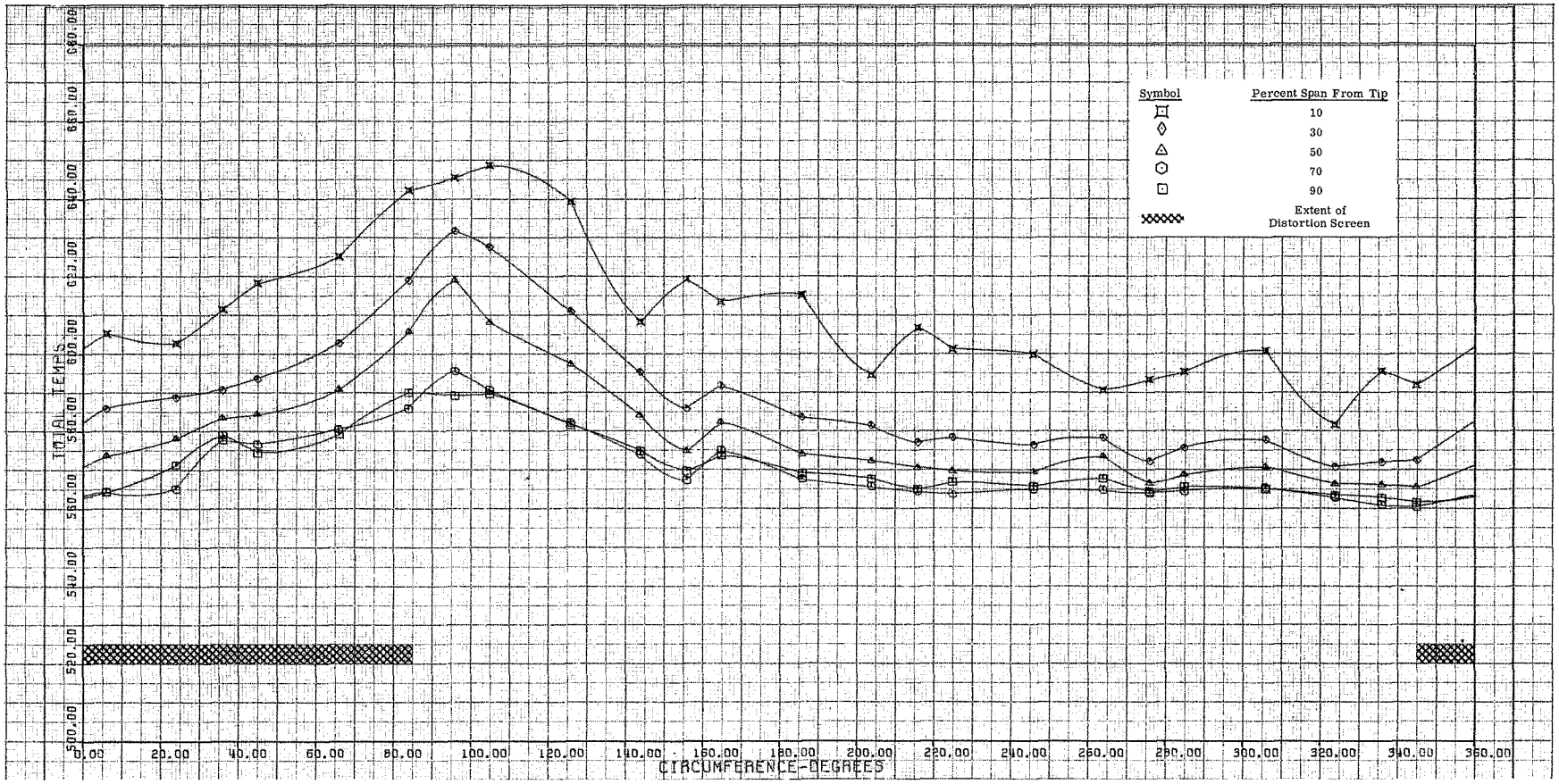


Figure 91. Stator Exit Total Temperature vs Circumference; Honeycomb Shroud Configuration; 100% Design Equivalent Rotor Speed; W_{corr} = 188.71 lb/sec; Circumferential Distortion

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