



SINGLE-STAGE EXPERIMENTAL EVALUATION
OF
COMPRESSOR BLADING WITH SLOTS AND
VORTEX GENERATORS

PART IV-SUPPLEMENTAL DATA FOR STAGE 4

by
J. A. Brent

Prepared for
National Aeronautics and Space Administration
Contract NAS3-10481

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FLORIDA RESEARCH AND DEVELOPMENT CENTER

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29 DECEMBER 1970
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FOREWORD

This report contains the tabulated data for CR-72741 (PWA FR-3840) titled "Single Stage Experimental Evaluation of Compressor Blading With Slots and Vortex Generators, Part III - Data and Performance For Stage 4." The test equipment, test procedures, calculation methods, and test results are discussed in CR-72741. The data tabulations presented herein are itemized in the Table of Contents.

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DEFINITION OF SYMBOLS AND PERFORMANCE VARIABLES

A_A	Flowpath annular area, ft ²
a'_0	Inlet relative stagnation velocity of sound, ft/sec
c	Chord length, in.
C_p	Static pressure coefficient
d	Diameter
D	Diffusion factor
i_m	Incidence angle, deg (based on equivalent circular arc meanline)
M	Absolute Mach No.
N	Rotor speed, rpm
O	Minimum blade passage gap, in.
O^*	Critical blade passage gap, in.
P	Total pressure, psia
p	Static pressure, psia
t	Blade maximum thickness, in.
T	Total temperature, °R
T_s	Static temperature, °R
U	Rotor speed, ft/sec
V	Velocity, ft/sec
W	Actual flowrate, lb _m /sec
β	Air angle, deg from axial direction
γ	Ratio of specific heats
γ°	Blade-chord angle, deg from axial direction
δ	Ratio of total pressure to NASA standard sea level pressure of 14.694 psia
δ°	Deviation angle, deg
η_{ad}	Adiabatic efficiency
θ	Ratio of total temperature to NASA standard sea level temperature of 518.7°R
κ	Blade metal angle, deg from axial direction (based on equivalent circular arc meanline)
ρ	Density, lb _f sec ² /ft ⁴
σ	Solidity, c/S
ϕ	Blade camber angle, $\kappa_1 - \kappa_2$, deg

ζ Loss coefficient

$\zeta \cos \beta / 2\sigma$ Loss parameter

Subscripts:

0 Compressor inlet (bellmouth)

1 Rotor inlet

2 Rotor exit

2A Stator exit

3 Stator exit (1.0 chord length downstream from Station 2A)

f Force

id Isentropic condition

L Local

m Mean or mass

le Leading edge

te Trailing edge

s Static condition

z Axial component

θ Tangential component

Superscripts:

' Related to rotor blade

- Mass average value

DEFINITION OF OVERALL PERFORMANCE VARIABLES

Pressure Ratio:

$$\text{Rotor: } \frac{\bar{P}_2}{\bar{P}_0}$$

$$\text{Stage: } \frac{\bar{P}_{2A}}{\bar{P}_0}$$

Corrected Flow

$$W\sqrt{\theta} / \delta$$

Corrected Specific Flow:

$$\frac{W\sqrt{\theta}}{\delta A_A}$$

Equivalent Rotor Speed:

$$N/\sqrt{\theta}$$

Adiabatic Efficiency:

$$\text{Rotor: } \frac{(\bar{P}_2/\bar{P}_0)^{\frac{\gamma-1}{\gamma}} - 1}{\bar{T}_{2A}/518.7 - 1}$$

$$\text{Stage: } \frac{(\bar{P}_{2A}/\bar{P}_0)^{\frac{\gamma-1}{\gamma}} - 1}{\bar{T}_{2A}/518.7 - 1}$$

Polytropic Efficiency:

$$\text{Rotor: } \eta_p = \frac{\frac{\gamma-1}{\gamma} \ln(P_2/P_1)}{\ln(T_2/518.7)} \quad \text{Stator: } \eta_p = \frac{\frac{\gamma-1}{\gamma} \ln(p_{2A}/p_2)}{\ln(T_{s2A}/T_{s2})}$$

Stall Margin:

$$\frac{\left(\frac{\bar{P}_2/\bar{P}_1}{W\sqrt{\theta}/\delta} \right)_{\text{stall}} - \left(\frac{\bar{P}_2/\bar{P}_1}{W\sqrt{\theta}/\delta} \right)_{\text{design}}}{\left(\frac{\bar{P}_2/\bar{P}_1}{W\sqrt{\theta}/\delta} \right)_{\text{design}}}$$

DEFINITION OF BLADE ELEMENT PERFORMANCE VARIABLES

Incidence Angle:

$$\text{Rotor: } i_m = \beta'_1 - \kappa_{1e}$$

$$\text{Stator: } i_m = \beta_2 - \kappa_{1e}$$

Diffusion Factor:

$$\text{Rotor: } D = 1 - \frac{V'_2}{V'_1} + \frac{d_2 V_{\theta 2} - d_1 V_{\theta 1}}{(d_1 + d_2) V'_1 \sigma}$$

$$\text{Stator: } D = 1 - \frac{V_{2A}}{V_2} + \frac{d_2 V_{\theta 2} - d_{2A} V_{\theta 2A}}{(d_2 + d_{2A}) V_2 \sigma}$$

Deviation Angle:

$$\text{Rotor: } \delta^\circ = \beta'_2 - \kappa_{te}$$

$$\text{Stator: } \delta^\circ = \beta_{2A} - \kappa_{te}$$

Loss Coefficient:

$$\text{Rotor: } \bar{\omega}' = \frac{\bar{P}'_{2id} - P'_2}{\bar{P}'_1 - p_1}$$

where:

$$P'_{2id} = P'_1 \left\{ 1 + \frac{\gamma - 1}{2} \left(\frac{U_2^2}{a_{01}^2} \right) \left[1 - \left(\frac{d_1}{d_2} \right)^2 \right] \right\}^{\frac{\gamma}{\gamma - 1}}$$

$$P' \text{ is found from } p/P' = \left[1 + \frac{\gamma - 1}{2} M'^2 \right]^{\frac{\gamma}{\gamma - 1}}$$

and M' is calculated using trigonometric functions and the measurements of U , β , P , and p .

$$\text{Stator: } \bar{\omega} = \frac{\bar{P}_{21} - \bar{P}_{2A}}{P_{21} - p_2}$$

where:

P_{2_1} = the wake rake freestream total pressure

Stator Static Pressure Coefficient:

$$C_p = \frac{p_L - p_2}{1/2 \rho_2 V_2^2}$$

TABULATED OVERALL PERFORMANCE AND BLEED FLOW DATA

The overall performance, rotor performance, and the rotor and stator bleed flowrates are presented in tables A-1 through A-4 for the following configurations:

1. Unslotted rotor 4 - unslotted stator 4
2. Slotted rotor 4 - slotted stator 4
3. Slotted rotor 4 - slotted stator 4 with vortex generators ahead of the rotor
4. Unslotted rotor 4 - slotted stator 4 with vortex generators ahead of the rotor and between the rotor and stator.

Table A-5 presents the rotor and stage design speed surge margins at incipient stall relative to the design point.

Table A-1. Overall Performance, Unslotted Rotor 4 - Unslotted Stator 4

N	Corrected Weight Flow lb/sec	Rotor Tip Bleed Flow lb/sec	%	Stator Hub and Tip Bleed Flow lb/sec	%	$\bar{P}_2/\bar{P}_o$	η_{ad}	Rotor η_p	$\bar{P}_{2A}/\bar{P}_o$	η_{ad}	Stage η_p
50% Design Equivalent Rotor Speed											
	71.90	0.56	0.779	1.21	1.683	1.0618	0.7459	0.7480	1.0416	0.5048	0.5076
	66.55	0.68	1.022	1.58	2.374	1.0678	0.8593	0.8606	1.0534	0.6794	0.6817
	61.44	0.74	1.204	1.88	3.060	1.0751	0.8821	0.8834	1.0633	0.7457	0.7480
	54.72	0.77	1.407	2.01	3.673	1.0758	0.8732	0.8745	1.0668	0.7712	0.7733
	49.74	0.84	1.689	2.07	4.162	1.0787	0.8632	0.8647	1.0700	0.7692	0.7715
	47.82	0.81	1.694	2.12	4.433	1.0791	0.8602	0.8617	1.0692	0.7542	0.7565
	*48.00	-	-	-	-	1.079	-	-	1.069	-	-
70% Design Equivalent Rotor Speed											
	97.13	0.60	0.618	1.36	1.400	1.1164	0.7948	0.7980	1.0766	0.5294	0.5343
	91.63	0.87	0.949	2.12	2.314	1.1354	0.8483	0.8510	1.1048	0.6623	0.6671
	82.59	0.97	1.174	2.49	3.015	1.1476	0.8860	0.8882	1.1256	0.7585	0.7626
	77.24	1.02	1.321	2.64	3.418	1.1550	0.8843	0.8866	1.1353	0.7762	0.7802
	72.38	1.04	1.437	2.74	3.786	1.1554	0.8724	0.8750	1.1358	0.7662	0.7704
	68.25	1.04	1.524	2.75	4.029	1.1586	0.8791	0.8816	1.1372	0.7650	0.7692
	*68.20	-	-	-	-	1.160	-	-	1.135	-	-
90% Design Equivalent Rotor Speed											
	115.29	0.55	0.477	1.32	1.145	1.1878	0.7707	0.7763	1.1169	0.4905	0.4984
	111.12	0.77	0.693	2.04	1.836	1.2039	0.8216	0.8262	1.1485	0.6084	0.6160
	107.17	0.93	0.868	2.60	2.426	1.2251	0.8442	0.8486	1.1829	0.6942	0.7014
	101.39	1.04	1.026	2.90	2.860	1.2491	0.8715	0.8755	1.2098	0.7423	0.7491
	95.80	1.09	1.138	3.13	3.267	1.2605	0.8817	0.8856	1.2229	0.7623	0.7689
	89.01	1.17	1.314	3.25	3.651	1.2618	0.8790	0.8829	1.2236	0.7587	0.7655
	*87.10	-	-	-	-	1.263	-	-	1.226	-	-

*Determined from transient stall data.

Table A-1. Overall Performance, Unslotted Rotor 4 - Unslotted Stator 4 (Continued)

Corrected Weight Flow lb/sec	Rotor Tip Bleed Flow lb/sec %		Stator Hub and Tip Bleed Flow lb/sec %		$\bar{P}_2/\bar{P}_o$	η_{ad}	Rotor η_p	$\bar{P}_{2A}/\bar{P}_o$	η_{ad}	Stage η_p
100% Design Equivalent Rotor Speed										
119.97	0.54	0.450	1.25	1.042	1.2165	0.7480	0.7549	1.1295	0.4594	0.4686
117.30	0.86	0.733	2.52	2.148	1.2606	0.8163	0.8222	1.1998	0.6369	0.6461
112.52	1.01	0.898	2.96	2.631	1.2900	0.8500	0.8553	1.2396	0.7122	0.7208
108.68	1.08	0.994	3.16	2.908	1.3064	0.8627	0.8678	1.2572	0.7341	0.7425
103.94	1.14	1.097	3.30	3.175	1.3160	0.8661	0.8712	1.2688	0.7461	0.7545
100.24	1.19	1.187	3.43	3.422	1.3243	0.8742	0.8791	1.2738	0.7482	0.7567
* 97.10	-	-	-	-	1.328	-	-	1.277	-	-
110% Design Equivalent Rotor Speed										
123.83	0.54	0.436	1.30	1.050	1.2350	0.6887	0.6979	1.1372	0.4142	0.4248
119.95	2.96	0.800	2.82	2.351	1.3092	0.7788	0.7870	1.2455	0.6294	0.6407
116.15	1.07	0.921	3.20	2.755	1.3445	0.8158	0.8233	1.2828	0.6810	0.6921
112.45	1.17	1.040	3.41	3.032	1.3701	0.8244	0.8320	1.3057	0.6927	0.7040
109.76	1.20	1.093	3.56	3.243	1.3833	0.8407	0.8479	1.3180	0.7098	0.7209
106.44	1.24	1.165	3.67	3.448	1.3889	0.8442	0.8513	1.3253	0.7182	0.7292
*102.00	-	-	-	-	1.395	-	-	1.328	-	-

*Determined from transient stall data.

Table A-2. Overall Performance, Slotted Rotor 4 - Slotted Stator 4

Corrected Weight Flow lb/sec	Rotor Tip Bleed Flow		Stator Hub and Tip Bleed Flow		$\bar{P}_2/\bar{P}_o$	η_{ad}	Rotor η_p	$\bar{P}_{2A}/\bar{P}_o$	η_{ad}	Stage η_p
lb/sec	lb/sec	%	lb/sec	%						
70% Design Equivalent Rotor Speed										
92.11	1.17	1.270	2.51	2.725	1.1001	0.7373	0.7409	1.0671	0.4992	0.5038
87.78	1.29	1.470	2.90	3.304	1.1193	0.7907	0.7940	1.0929	0.6204	0.6252
82.58	1.33	1.611	3.12	3.778	1.1302	0.8601	0.8625	1.1083	0.7196	0.7237
78.83	1.37	1.738	3.29	4.174	1.1435	0.8621	0.8648	1.1240	0.7387	0.7430
74.37	1.40	1.882	3.39	4.558	1.1517	0.8759	0.8783	1.1313	0.7625	0.7667
68.39	1.42	2.076	3.45	5.045	1.1541	0.8619	0.8647	1.1373	0.7715	0.7756
*63.70	-	-	-	-	1.152	-	-	1.136	-	-
100% Design Equivalent Rotor Speed										
114.59	0.00	0.000	0.00	0.000	1.1973	0.6514	0.6602	1.1257	0.4239	0.4335
111.11	1.20	1.080	3.11	2.799	1.2451	0.7832	0.7898	1.1943	0.6300	0.6391
108.37	1.25	1.153	3.40	3.137	1.2741	0.8150	0.8221	1.2289	0.6922	0.7010
103.66	1.30	1.254	3.57	3.444	1.2947	0.8297	0.8358	1.2506	0.7141	0.7230
99.64	1.12	1.124	3.45	3.462	1.3084	0.8315	0.8378	1.2650	0.7229	0.7319
95.35	1.23	1.290	3.61	3.786	1.3177	0.8570	0.8625	1.2710	0.7404	0.7491
93.59	0.22	0.235	0.16	0.171	1.3093	0.8428	0.8487	1.2552	0.6919	0.7017
90.03	0.15	0.167	0.30	0.333	1.3081	0.8254	0.8319	1.2561	0.7104	0.7196
*90.00	-	-	-	-	1.320	-	-	1.271	-	-
*85.00	**	-	**	-	1.307	-	-	1.251	-	-

*Determined from transient stall data.

**Bleed valve closed.

Table A-3. Overall Performance, Slotted Rotor 4 - Slotted Stator 4 With Vortex Generators Ahead of the Rotor

Corrected Weight Flow lb/sec	Rotor Tip Bleed Flow lb/sec %		Stator Hub and Tip Bleed Flow lb/sec %		$\bar{P}_2/\bar{P}_o$	η_{ad}	Rotor η_p	$\bar{P}_{2A}/\bar{P}_o$	η_{ad}	Stage η_p
70% Design Equivalent Rotor Speed										
91.51	1.11	1.213	2.38	2.601	1.1007	0.7545	0.7549	1.0665	0.5029	0.5074
86.17	1.26	1.462	2.92	3.389	1.1265	0.8157	0.8188	1.1011	0.6585	0.6631
81.84	1.31	1.601	3.14	3.837	1.1368	0.8459	0.8487	1.1152	0.7167	0.7210
76.93	1.35	1.755	3.29	4.277	1.1481	0.8849	0.8872	1.1271	0.7625	0.7665
73.66	1.38	1.873	3.37	4.575	1.1538	0.8803	0.8827	1.1348	0.7717	0.7757
65.93	1.38	2.093	3.43	5.202	1.1544	0.8502	0.8533	1.1387	0.7677	0.7719
*64.50	-	-	-	-	1.152	-	-	1.138	-	-
100% Design Equivalent Rotor Speed										
116.95	1.19	1.018	2.56	2.189	1.1873	0.6914	0.6989	1.1163	0.4341	0.4429
111.97	1.35	1.206	3.30	2.947	1.2342	0.7638	0.7708	1.1808	0.5985	0.6079
108.08	1.45	1.342	3.67	3.396	1.2673	0.8137	0.8199	1.2208	0.6808	0.6897
103.79	1.51	1.455	3.92	3.777	1.2936	0.8430	0.8436	1.2510	0.7259	0.7345
98.38	1.55	1.576	4.10	4.168	1.3134	0.8556	0.8611	1.2725	0.7448	0.7534
95.50	1.55	1.623	4.13	4.325	1.3170	0.8624	0.8678	1.2787	0.7492	0.7558
91.41	0.13	0.142	0.33	0.361	1.3042	0.8350	0.8411	1.2554	0.7020	0.7115
*88.80	0.17	0.193	0.36	0.408	1.3028	0.8444	0.8502	1.2524	0.7029	0.7122
88.20	-	-	-	-	1.313	-	-	1.283	-	-
*82.50	**	-	**	-	1.295	-	-	1.248	-	-

*Determined from transient stall data.

**Bleed valve closed.

Table A-4. Overall Performance, Unslotted Rotor 4 - Slotted Stator With Vortex Generators Ahead of the Rotor and Between the Rotor and Stator

Corrected Weight Flow lb/sec	Rotor Bleed Flow lb/sec %		Stator Hub and Tip Bleed Flow lb/sec %		$\bar{P}_2/\bar{P}_o$	Rotor η_{ad} η_p		$\bar{P}_{2A}/\bar{P}_o$	Stage η_{ad} η_p	
70% Design Equivalent Rotor Speed										
95.02	1.11	1.168	2.38	2.505	1.1120	0.7528	0.7565	1.0729	0.4962	0.5012
90.25	1.24	1.374	2.77	3.069	1.1238	0.7921	0.7955	1.0945	0.6100	0.6150
83.83	1.32	1.575	3.08	3.674	1.1399	0.9013	0.9031	1.1162	0.7538	0.7576
77.70	1.35	1.737	3.25	4.183	1.1491	0.8601	0.8629	1.1285	0.7455	0.7498
71.33	1.38	1.935	3.37	4.725	1.1561	0.9028	0.9048	1.1355	0.7883	0.7921
64.59	1.38	2.137	3.43	5.310	1.1564	0.8611	0.8639	1.1378	0.7627	0.7670
*58.00	-	-	-	-	1.150	-	-	1.141	-	-
100% Design Equivalent Rotor Speed										
119.10	1.16	0.974	2.56	2.149	1.2017	0.7345	0.7413	1.1174	0.4386	0.4473
115.28	1.37	1.188	3.46	3.001	1.2637	0.7949	0.8016	1.2033	0.6236	0.6333
109.32	1.47	1.345	3.83	3.503	1.3014	0.8738	0.8784	1.2490	0.7324	0.7407
104.80	1.51	1.441	3.99	3.807	1.3119	0.8491	0.8548	1.2662	0.7336	0.7423
98.46	1.55	1.574	4.13	4.195	1.3229	0.8597	0.8652	1.2781	0.7493	0.7578
97.25	0.08	0.082	0.11	0.113	1.3199	0.8402	0.8464	1.2728	0.7256	0.7348
94.82	1.56	1.645	4.17	4.398	1.3264	0.8816	0.8863	1.2814	0.7692	0.7771
91.04	0.20	0.220	0.43	0.472	1.3065	0.8232	0.8298	1.2603	0.7081	0.7175
*90.00	-	-	-	-	1.328	-	-	1.282	-	-
*84.80	**	-	**	-	1.316	-	-	1.273	-	-

*Determined from transient stall data.

**Bleed valve closed.

Table A-5. Percent Stall Margin

Configuration	Rotor	Stage
Unslotted Rotor 4 - Unslotted Stator 4	11.5	8.5
Slotted Rotor 4 - Slotted Stator 4	19.7	17.4
Slotted Rotor 4 - Slotted Stator 4 with Vortex Generators Ahead of the Rotor	20.6	20.0
Unslotted Rotor 4 - Slotted Stator 4 with Vortex Generators Ahead of the Rotor and Between the Rotor and Stator	20.4	18.5

Note: All values based on incipient stall points determined from the transient data.

TABULATED BLADE ELEMENT PERFORMANCE

Tables B-1 through B-4 present the blade element data for the following configurations:

1. Unslotted rotor 4 - unslotted stator 4
2. Slotted rotor 4 - slotted stator 4
3. Slotted rotor 4 - slotted stator 4 with vortex generators ahead of the rotor
4. Unslotted rotor 4 - slotted stator 4 with vortex generators ahead of the rotor and between the rotor and stator.

The compressor inlet data are shown for instrumentation stations 0 and 1 in the first section of each data sheet.

NOMENCLATURE USED FOR BLADE ELEMENT 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)
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

Note: Where applicable the appropriate instrumentation station is noted.

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4

PERCENT DESIGN SPEED = 50.24											EQUIVALENT ROTOR SPEED = 2115.00											CORRECTED WEIGHT FLOW = 71.90											PRESSURE RATIO =1.0416										
INLET																																											
		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN																															
		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA																															
STATION 0		BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0																															
STATION 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1																															
		V 0	268.70	268.70	268.70	268.70	268.70	268.70	268.70	268.70	268.70	V 0																															
		V 1	304.49	303.65	303.03	305.10	301.99	295.27	288.39	287.95	285.55	V 1																															
		VZ 0	268.70	268.70	268.70	268.70	268.70	268.70	268.70	268.70	268.70	VZ 0																															
		VZ 1	304.49	303.65	303.03	305.10	301.95	295.22	288.32	287.88	285.53	VZ 1																															
		V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0																															
		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1																															
		M 0	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	0.2421	M 0																															
		M 1	0.2748	0.2740	0.2735	0.2754	0.2725	0.2664	0.2601	0.2597	0.2575	M 1																															
		TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN																															
		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR																															
		DFAC	-0.133	-0.130	-0.128	-0.135	-0.124	-0.099	-0.073	-0.072	-0.063	DFAC																															
		EFFP	1.0000	1.0000	0.9999	1.0000	0.9998	0.9998	0.9998	0.9996	0.9997	EFFP																															
		INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID																															
		DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH																															
		P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0																															
		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1																															
		T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0																															
		T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1																															
Rotor 4																																											
		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN																															
		DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA																															
STATION 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1																															
STATION 2		BETA 2	33.440	33.890	33.650	31.820	29.580	29.560	29.430	30.680	31.590	BETA 2																															
		BETA(PK) 1	45.100	45.591	45.963	46.860	48.552	50.480	52.063	52.395	52.926	BETA(PK) 1																															
		BETA(PK) 2	11.654	11.651	13.359	18.064	24.307	28.564	31.558	32.834	37.384	BETA(PK) 2																															
		V 1	304.49	303.65	303.03	305.10	301.99	295.27	288.39	287.95	285.55	V 1																															
		V 2	389.86	411.85	417.36	463.32	382.05	364.97	354.20	344.59	315.47	V 2																															
		VZ 1	304.49	303.65	303.03	305.10	301.95	295.22	288.32	287.88	285.53	VZ 1																															
		VZ 2	305.36	333.65	347.42	342.65	332.13	317.29	308.32	296.19	268.57	VZ 2																															
		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1																															
		V-THETA 2	242.37	241.44	231.26	212.62	188.52	179.95	173.94	175.72	165.16	V-THETA 2																															
		V(PK) 1	431.4	433.9	435.9	446.2	456.2	464.0	469.0	471.8	473.7	V(PK) 1																															
		V(PK) 2	312.1	340.7	357.1	360.5	364.6	361.5	362.0	352.7	338.2	V(PK) 2																															
		VTHETA PK1	-305.6	-310.0	-313.4	-325.6	-341.9	-357.9	-369.9	-373.8	-377.9	VTHETA PK1																															
		VTHETA PK2	-64.3	-68.8	-82.5	-111.8	-150.0	-172.7	-189.4	-191.1	-205.2	VTHETA PK2																															
		U 1	305.55	309.98	313.40	325.58	341.91	357.88	369.88	373.75	377.90	U 1																															
		U 2	306.69	310.23	313.77	324.38	338.54	352.69	363.30	366.85	370.38	U 2																															
		M 1	0.2748	0.2740	0.2735	0.2754	0.2725	0.2664	0.2601	0.2597	0.2575	M 1																															
		M 2	0.3494	0.3697	0.3748	0.3623	0.3425	0.3271	0.3174	0.3086	0.2821	M 2																															
		M(PK) 1	0.3893	0.3916	0.3934	0.4027	0.4116	0.4185	0.4230	0.4255	0.4271	M(PK) 1																															
		M(PK) 2	0.2797	0.3058	0.3207	0.3238	0.3272	0.3239	0.3244	0.3159	0.3024	M(PK) 2																															
		TURN(PK)	33.206	33.941	32.604	28.799	24.251	21.929	20.518	19.574	15.563	TURN(PK)																															
		UUBAR	0.2105	0.1145	0.0596	0.0720	0.0907	0.1341	0.1562	0.1942	0.2473	UUBAR																															
		LOSS PARA	0.0811	0.0447	0.0234	0.0285	0.0359	0.0523	0.0621	0.0768	0.0934	LOSS PARA																															
		DFAC	0.4982	0.4366	0.3947	0.3901	0.3795	0.3952	0.3995	0.4262	0.4502	DFAC																															
		EFFP	0.7600	0.9082	0.9380	0.9703	0.8947	0.7819	0.7816	0.7303	0.5704	EFFP																															
		EFF	0.7578	0.9073	0.9374	0.9700	0.8938	0.7802	0.7800	0.7284	0.5680	EFF																															
		INCID	-11.330	-10.629	-10.317	-10.860	-12.742	-15.374	-18.123	-19.502	-20.925	INCID																															
		DEVH	20.394	15.151	13.559	8.311	7.896	9.447	12.258	13.764	18.712	DEVH																															
		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1																															
		P 2	15.625	15.785	15.831	15.744	15.617	15.528	15.478	15.426	15.269	P 2																															
		T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1																															
		T 2	530.820	530.520	530.610	529.350	528.890	529.270	528.650	528.660	528.770	T 2																															
Stator 4																																											
		PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN																															
		DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA																															
STATION 2		BETA 2	38.440	35.890	33.650	31.620	29.580	29.560	29.430	30.680	31.590	BETA 2																															
STATION 2A		BETA 2A	5.530	4.960	4.450	2.770	1.910	5.380	8.470	8.880	9.080	BETA 2A																															
		V 2	389.86	411.85	417.36	463.32	382.05	364.97	354.20	344.59	315.47	V 2																															
		V 2A	347.33	366.00	366.36	374.61	354.56	355.61	326.76	310.11	304.03	V 2A																															
		VZ 2	305.36	333.65	347.42	342.65	332.13	317.29	308.32	296.19	268.57	VZ 2																															
		VZ 2A	345.72	364.63	365.26	374.17	354.36	354.04	323.19	306.39	300.22	VZ 2A																															
		V-THETA 2	242.37	241.44	231.26	212.62	188.52	179.95	173.94	175.72	165.16	V-THETA 2																															
		V-THETA 2A	33.47	31.64	26.43	18.10	11.82	33.34	48.13	47.87	47.98	V-THETA 2A																															
		M 2	0.3494	0.3697	0.3748	0.3623	0.3429	0.3271	0.3174	0.3086	0.2821	M 2																															
		M 2A	0.3105	0.3276	0.3279	0.3359	0.3177	0.3185	0.2924	0.2773	0.2717	M 2A																															
		TURN(PK)	32.910	30.930	29.199	29.045	27.657	24.162	20.941	21.781	22.490	TURN(PK)																															
		UUBAR	0.1841	0.1208	0.1118	0.0814	0.0853	0.0653	0.1205	0.1246	0.2400	UUBAR																															
		LOSS PARA	0.0755	0.0501	0.0469	0.0354	0.0386	0.0306	0.0576	0.1034	0.1166	LOSS PARA																															
		DFAC	0.3300	0.3237	0.3271	0.2813	0.2820	0.2157	0.2508	0.2829	0.2211	DFAC																															
		EFFP	0.2451	0.2009	0.1606	0.1380	-0.0793	-1.0829	-0.5895	-0.5052	-1.8581	EFFP																															
		INCID	-15.370	-15.980	-16.581	-15.365	-16.732	-19.207	-22.989	-23.259	-24.230	INCID																															
		DEVH	22.010	20.550	19.070	15.290	13.580	17.900	22.590	23.830	25.030	DEVH																															
		P 2	15.658	15.695	15.682	15.680	15.522	15.475	15.330	15.325	15.302	P 2																															
		P 2A	15.649	15.534	15.535	15.574	15.426	15.406	15.222	15.135	15.097	P 2A																															
		T 2	530.820	530.520	530.610	529.350	528.890	529.270	528.650	528.660	528.770	T 2																															
		T 2A	530.820	530.520	530.610	529.350	528.890	529.270	528.650	528.660	528.770	T 2A																															

Table B-1. Blade Element Performance, Unslotted Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 49.46				EQUIVALENT MOTOR SPEED = 2100.00				CORRECTED WEIGHT FLOW = 66.55				PRESSURE RATIO = 1.0534			
INLET															
STATION C STATION 1	PCT SPAN	96.90	91.17	66.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN				
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA				
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0				
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1				
	V 0	247.68	247.68	247.68	247.68	247.68	247.68	247.68	247.68	247.68	V 0				
	V 1	276.42	277.32	278.22	277.10	275.74	265.60	263.48	263.25	263.71	V 1				
	VZ 0	247.68	247.68	247.68	247.68	247.68	247.68	247.68	247.68	247.68	VZ 0				
	VZ 1	276.42	277.32	278.22	277.10	275.70	265.56	263.42	263.18	263.70	VZ 1				
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0				
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1				
	M 0	0.2230	0.2230	0.2230	0.2230	0.2230	0.2230	0.2230	0.2230	0.2230	M 0				
	M 1	0.2491	0.2500	0.2508	0.2498	0.2465	0.2393	0.2373	0.2371	0.2375	M 1				
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN				
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR				
	DFAC	-0.116	-0.120	-0.123	-0.114	-0.113	-0.072	-0.064	-0.063	-0.065	DFAC				
	EFFP	0.9993	0.9998	0.9996	0.9999	0.9995	0.9991	0.9998	1.0000	0.9997	EFFP				
INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID					
DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH					
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0					
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1					
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0					
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1					
ROTOR 4															
STATION 1 STATION 2	PCT SPAN	95.01	90.00	69.91	70.01	50.51	30.01	15.01	10.01	5.02	PCT SPAN				
	DIA	33.233	33.617	34.000	35.150	36.604	38.218	39.368	39.752	40.135	DIA				
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1				
	BETA 2	42.750	40.020	37.320	35.730	34.050	33.870	34.160	35.470	36.050	BETA 2				
	BETA(PRI) 1	47.662	47.980	48.200	49.397	50.919	53.228	54.349	54.656	54.901	BETA(PRI) 1				
	BETA(PRI) 2	12.005	13.809	14.940	17.558	23.874	27.927	31.132	32.887	36.036	BETA(PRI) 2				
	V 1	276.42	277.32	278.22	277.10	275.74	265.60	263.48	263.25	263.71	V 1				
	V 2	360.57	370.17	373.37	373.11	362.76	351.26	340.07	329.24	312.69	V 2				
	VZ 1	276.42	277.32	278.22	277.10	275.70	265.56	263.42	263.18	263.70	VZ 1				
	VZ 2	269.00	283.40	293.55	310.95	330.35	291.51	281.25	268.00	252.69	VZ 2				
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1				
	V-THETA 2	244.76	238.04	231.82	223.09	203.20	195.67	190.85	190.95	183.92	V-THETA 2				
	V(PRI) 1	410.4	414.3	417.4	425.8	437.4	443.6	452.0	455.0	458.6	V(PRI) 1				
	V(PRI) 2	271.6	292.0	309.1	326.2	325.6	330.1	328.8	315.3	312.6	V(PRI) 2				
	VTHETA PR1	-303.4	-307.8	-311.2	-323.3	-333.3	-355.3	-371.1	-375.2	-375.2	VTHETA PR1				
	VTHETA PR2	-79.0	-79.0	-79.7	-93.4	-132.9	-154.5	-169.9	-173.3	-183.8	VTHETA PR2				
	U 1	303.39	307.78	311.17	323.27	339.49	355.34	367.25	371.10	375.22	U 1				
	U 2	304.51	308.03	311.54	322.08	336.13	350.19	360.73	364.25	367.76	U 2				
	M 1	0.2451	0.2500	0.2506	0.2493	0.2465	0.2393	0.2373	0.2371	0.2375	M 1				
	M 2	0.3227	0.3314	0.3387	0.3433	0.3249	0.3144	0.3042	0.2943	0.2792	M 2				
	M(PRI) 1	0.3695	0.3734	0.3762	0.3835	0.3942	0.3997	0.4071	0.4098	0.4131	M(PRI) 1				
	M(PRI) 2	0.2425	0.2614	0.2769	0.2925	0.2943	0.2954	0.2941	0.2855	0.2792	M(PRI) 2				
	TURN(PRI)	34.997	34.111	33.254	31.543	27.052	25.314	23.231	21.782	18.885	TURN(PRI)				
	UUBAR	0.2227	0.1596	0.1067	0.0673	0.0305	0.0178	0.0124	0.0100	0.0194	UUBAR				
LCSS PARA	0.0695	0.0517	0.0415	0.0267	0.0120	0.0431	0.0528	0.0672	0.0749	LCSS PARA					
DFAC	0.7750	0.5241	0.4453	0.4322	0.4446	0.4541	0.4578	0.4940	0.5071	DFAC					
EFFP	0.7957	0.8294	0.8935	0.9703	0.9274	0.8654	0.8413	0.7885	0.7026	EFFP					
EFF	0.7455	0.6216	0.5794	0.4902	0.4267	0.3642	0.3399	0.7667	0.7003	EFF					
INCID	-3.750	-8.240	-4.080	-8.303	-10.374	-12.626	-15.837	-17.241	-18.950	INCID					
DEVH	21.165	17.369	15.146	7.804	7.463	8.810	11.832	13.817	14.694	DEVH					
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1					
P 2	15.692	15.707	15.735	15.815	15.723	15.678	15.635	15.579	15.498	P 2					
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1					
T 2	531.190	530.750	530.520	529.320	529.630	529.920	529.750	529.810	530.060	T 2					
STATION 2															
STATION 2A	PCT SPAN	94.90	90.34	69.87	69.63	49.58	29.48	14.64	9.66	4.76	PCT SPAN				
	DIA	33.210	33.540	33.930	35.010	36.450	37.885	38.945	39.300	39.650	DIA				
	BETA 2	42.750	40.020	37.320	35.730	34.050	33.870	34.160	35.470	36.050	BETA 2				
	BETA 2A	3.450	3.600	3.850	4.020	4.440	5.200	8.130	8.460	8.750	BETA 2A				
	V 2	350.57	370.17	378.07	383.11	362.76	351.26	340.07	329.24	312.69	V 2				
	V 2A	295.51	302.58	305.96	322.08	323.35	323.29	295.68	280.76	277.51	V 2A				
	VZ 2	269.00	283.40	293.55	310.95	300.35	291.51	281.25	268.00	252.69	VZ 2				
	VZ 2A	294.97	302.16	309.58	332.55	323.05	321.90	292.71	277.71	274.28	VZ 2A				
	V-THETA 2	244.76	238.04	231.82	223.09	203.20	195.67	190.85	190.95	183.92	V-THETA 2				
	V-THETA 2A	15.94	15.04	15.41	15.42	12.86	29.30	41.82	41.31	42.22	V-THETA 2A				
	M 2	0.3227	0.3314	0.3387	0.3433	0.3249	0.3144	0.3042	0.2943	0.2792	M 2				
	M 2A	0.2634	0.2699	0.2730	0.2976	0.2863	0.2889	0.2639	0.2504	0.2474	M 2A				
	TURN(PRI)	34.270	37.020	34.969	33.104	31.530	28.651	26.009	26.989	27.279	TURN(PRI)				
	UUBAR	0.1477	0.1263	0.1003	0.0506	0.0563	0.0542	0.0160	0.1895	0.1966	UUBAR				
	LCSS PARA	0.0608	0.0525	0.0422	0.0220	0.0254	0.0254	0.0508	0.0914	0.0956	LCSS PARA				
	DFAC	0.4405	0.4328	0.4323	0.3841	0.3539	0.3037	0.3442	0.3709	0.3377	DFAC				
	EFFP	0.6324	0.5769	0.5198	0.6384	0.5574	0.5159	0.2130	0.1856	0.1764	EFFP				
	INCID	-11.060	-11.050	-12.411	-11.450	-12.234	-14.899	-13.260	-18.471	-19.771	INCID				
	DEVH	19.960	18.590	17.470	15.140	14.190	17.720	22.250	23.410	24.700	DEVH				
	P 2i	15.670	15.681	15.666	15.760	15.678	15.653	15.540	15.515	15.351	P 2i				
	P 2A	15.505	15.539	15.555	15.700	15.618	15.538	15.467	15.371	15.351	P 2A				
	T 2	531.190	530.750	530.520	529.320	529.630	529.920	529.750	529.810	530.060	T 2				
	T 2A	531.190	530.750	530.520	529.320	529.630	529.920	529.750	529.810	530.060	T 2A				

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 50.33											
EQUIVALENT ROTOR SPEED = 2119.00											
CORRECTED WEIGHT FLOW = 61.44											
PRESSURE RATIO = 1.0633											
INLET											
STATION 0	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	53.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	V 0	227.84	227.84	227.84	227.84	227.84	227.84	227.84	227.84	227.84	V 0
	V 1	253.62	254.10	253.86	254.59	252.13	250.90	246.65	245.14	240.28	V 1
STATION 3	VZ 0	227.84	227.84	227.84	227.84	227.84	227.84	227.84	227.84	227.84	VZ 0
	VZ 1	253.62	254.10	253.86	254.59	252.10	250.87	246.60	245.07	240.27	VZ 1
STATION 4	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
STATION 5	M 0	0.2049	0.2049	0.2049	0.2049	0.2049	0.2049	0.2049	0.2049	0.2049	M 0
	M 1	0.2284	0.2288	0.2286	0.2292	0.2270	0.2259	0.2220	0.2206	0.2162	M 1
STATION 6	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
STATION 7	DFAC	-0.113	-0.115	-0.114	-0.117	-0.107	-0.101	-0.083	-0.076	-0.055	DFAC
	EFFP	1.0002	0.9996	1.0001	0.9998	0.9998	1.0002	0.9998	0.9996	0.9996	EFFP
STATION 8	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
STATION 9	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
STATION 10	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 11											
STATION 12	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 13	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	44.000	45.900	43.200	39.500	38.480	38.260	39.300	40.560	41.630	BETA 2
STATION 14	BETA(PR) 1	50.360	50.711	51.045	52.029	53.650	55.021	56.359	56.796	57.601	BETA(PR) 1
	BETA(PR) 2	10.637	15.236	16.941	18.621	23.392	27.476	30.856	32.543	35.186	BETA(PR) 2
STATION 15	V 1	253.02	254.10	253.86	254.59	252.13	250.90	246.65	245.14	240.28	V 1
	V 2	353.55	342.43	346.75	362.73	353.10	344.03	332.35	323.96	311.62	V 2
STATION 16	VZ 1	253.62	254.10	253.86	254.59	252.10	250.87	246.60	245.07	240.27	VZ 1
	VZ 2	236.44	238.30	252.77	279.86	276.33	270.02	257.07	246.01	232.82	VZ 2
STATION 17	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	262.66	245.91	237.36	230.70	219.65	212.94	210.41	210.56	206.93	V-THETA 2
STATION 18	V(PR) 1	397.5	401.3	403.8	413.8	425.3	437.6	445.2	447.6	448.4	V(PR) 1
	V(PR) 2	240.6	247.0	264.2	295.4	301.2	304.5	299.6	292.0	285.0	V(PR) 2
STATION 19	VTHETA PR1	-300.1	-310.6	-314.0	-326.2	-342.6	-358.6	-370.6	-374.5	-378.6	VTHETA PR1
	VTHETA PR2	-44.4	-64.9	-77.0	-94.3	-119.5	-140.4	-153.0	-157.0	-164.2	VTHETA PR2
STATION 20	U 1	306.13	310.57	313.99	326.19	342.50	358.56	370.57	374.46	378.62	U 1
	U 2	307.27	310.82	314.36	324.99	339.18	353.36	363.99	367.54	371.08	U 2
STATION 21	M 1	0.2284	0.2288	0.2286	0.2292	0.2270	0.2259	0.2220	0.2206	0.2162	M 1
	M 2	0.3159	0.3060	0.3100	0.3247	0.3159	0.3075	0.2968	0.2891	0.2778	M 2
STATION 22	M(PR) 1	0.3575	0.3613	0.3636	0.3726	0.3830	0.3940	0.4007	0.4028	0.4036	M(PR) 1
	M(PR) 2	0.2150	0.2207	0.2362	0.2644	0.2695	0.2722	0.2675	0.2606	0.2541	M(PR) 2
STATION 23	TURN(PR)	39.723	35.475	34.104	33.411	30.265	27.558	25.516	24.267	22.434	TURN(PR)
	UUBAR	0.2060	0.2060	0.1567	0.0738	0.0834	0.0936	0.1248	0.1528	0.1738	UUBAR
STATION 24	LOSS PARA	0.0863	0.0792	0.0604	0.0291	0.0333	0.0376	0.0500	0.0607	0.0675	LOSS PARA
	DFAC	0.6957	0.6286	0.5325	0.5179	0.5152	0.5228	0.5454	0.5671	0.5816	DFAC
STATION 25	EFFP	0.8211	0.8245	0.8637	0.9781	0.9555	0.9090	0.8637	0.8277	0.7721	EFFP
	INCID	0.0193	0.0228	0.0324	0.0778	0.0550	0.0900	0.0623	0.0826	0.0700	INCID
STATION 26	DEVM	-0.070	-0.509	-0.235	-0.071	-0.644	-10.833	-13.828	-15.101	-16.251	DEVM
	P 1	14.137	18.736	17.141	8.367	6.981	8.359	11.556	13.473	16.516	P 1
STATION 27	P 2	14.574	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 28	T 2	531.590	530.870	530.690	530.420	530.410	530.900	531.170	531.300	531.630	T 2
	T 2A	531.590	530.870	530.690	530.420	530.410	530.900	531.170	531.300	531.630	T 2A
STATION 29											
STATION 30	PCT SPAN	94.73	90.34	84.47	69.68	49.53	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.835	38.945	39.300	39.650	DIA
STATION 31	BETA 2	48.000	45.900	43.200	39.500	38.480	38.260	39.300	40.560	41.630	BETA 2
	BETA 2A	3.470	3.000	2.340	3.360	2.940	4.880	8.180	8.360	9.000	BETA 2A
STATION 32	V 2	353.55	342.43	346.75	362.73	353.10	344.03	332.35	323.96	311.62	V 2
	V 2A	252.22	253.90	257.38	298.43	301.98	304.13	282.40	273.12	265.95	V 2A
STATION 33	VZ 2	236.44	238.30	252.77	279.86	276.33	270.02	257.07	246.01	232.82	VZ 2
	VZ 2A	251.76	253.55	256.76	298.01	301.59	303.03	279.53	270.22	262.68	VZ 2A
STATION 34	V-THETA 2	262.55	245.91	237.36	230.70	219.65	212.94	210.41	210.56	206.93	V-THETA 2
	V-THETA 2A	15.27	13.29	12.74	15.93	15.49	25.37	40.18	39.71	41.60	V-THETA 2A
STATION 35	M 2	0.3159	0.3060	0.3100	0.3247	0.3159	0.3075	0.2968	0.2891	0.2778	M 2
	M 2A	0.2243	0.2260	0.2288	0.2662	0.2694	0.2712	0.2515	0.2432	0.2366	M 2A
STATION 36	TURN(PR)	44.500	42.900	40.359	36.434	35.526	33.360	31.096	32.178	32.608	TURN(PR)
	UUBAR	0.1348	0.1255	0.1163	0.0518	0.0291	0.0451	0.0919	0.1504	0.1940	UUBAR
STATION 37	LOSS PARA	0.0555	0.0522	0.0489	0.0224	0.0131	0.0212	0.0449	0.0725	0.0943	LOSS PARA
	DFAC	0.5754	0.5417	0.5318	0.4351	0.4073	0.3731	0.3999	0.4163	0.4100	DFAC
STATION 38	EFFP	0.6243	0.6999	0.6529	0.7525	0.7971	0.7722	0.4941	0.4468	0.3933	EFFP
	INCID	-0.760	-0.970	-0.031	-7.686	-7.834	-10.510	-13.122	-13.382	-14.192	INCID
STATION 39	DEVM	19.950	18.590	17.400	15.580	14.610	17.400	22.300	23.310	24.950	DEVM
	P 2	15.700	15.695	15.695	15.693	15.825	15.803	15.815	15.733	15.735	P 2
STATION 40	P 2A	15.557	15.573	15.581	15.769	15.773	15.770	15.652	15.604	15.566	P 2A
	T 2	531.590	530.870	530.690	530.420	530.410	530.900	531.170	531.300	531.630	T 2
	T 2A	531.590	530.870	530.690	530.420	530.410	530.900	531.170	531.300	531.630	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 49.48 EQUIVALENT ROTOR SPEED = 2083.00 CORRECTED WEIGHT FLOW = 54.72 PRESSURE RATIO = 1.0668											
INLET											
STATION 0 STATION 1	PCT SPAN	90.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 1	V 0	202.05	202.05	202.05	202.05	202.05	202.05	202.05	202.05	202.05	V 0
	V 1	225.07	225.11	225.39	228.12	226.21	223.18	218.71	217.58	215.87	V 1
STATION 1	VZ 0	202.05	202.05	202.05	202.05	202.05	202.05	202.05	202.05	202.05	VZ 0
	VZ 1	225.07	225.11	225.39	228.11	226.18	223.15	218.66	217.53	215.85	VZ 1
STATION 1	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
STATION 1	M 0	0.1816	0.1816	0.1816	0.1816	0.1816	0.1816	0.1816	0.1816	0.1816	M 0
	M 1	0.2030	0.2025	0.2027	0.2052	0.2035	0.2007	0.1967	0.1956	0.1941	M 1
STATION 1	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
STATION 1	DFAC	-0.117	-0.114	-0.115	-0.129	-0.120	-0.105	-0.082	-0.077	-0.068	DFAC
	EFFP	1.0000	0.9994	0.9994	0.9999	1.0001	0.9995	1.0000	0.9998	0.9994	EFFP
STATION 1	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
STATION 1	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
STATION 1	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
STATION 1	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	52.480	51.980	50.500	44.020	41.820	41.500	42.540	44.290	45.280	BETA 2
STATION 2	BETA(PR) 1	53.133	53.596	53.862	54.572	56.111	57.662	59.026	59.419	59.888	BETA(PR) 1
	BETA(PR) 2	8.495	16.067	18.512	21.426	24.644	27.981	32.248	33.698	35.921	BETA(PR) 2
STATION 2	V 1	225.67	225.11	225.39	228.12	226.21	223.18	218.71	217.58	215.87	V 1
	V 2	341.64	316.55	313.85	327.00	330.64	327.66	313.74	307.44	299.04	V 2
STATION 2	VZ 1	225.67	225.11	225.39	228.11	226.18	223.15	218.66	217.53	215.85	VZ 1
	VZ 2	208.07	194.98	199.63	235.12	246.34	245.31	231.07	219.98	210.34	VZ 2
STATION 2	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	270.97	249.38	242.17	227.21	220.40	217.03	212.03	214.60	212.40	V-THETA 2
STATION 2	V(PR) 1	376.1	379.3	382.2	393.5	405.7	417.2	424.9	427.6	430.3	V(PR) 1
	V(PR) 2	210.4	202.9	210.5	252.6	271.1	277.9	273.4	264.6	259.9	V(PR) 2
STATION 2	VTHETA PR1	-305.5	-305.3	-208.7	-320.7	-336.7	-352.5	-364.3	-368.1	-372.2	VTHETA PR1
	VTHETA PR2	-31.1	-36.2	-66.8	-92.3	-113.0	-130.3	-145.8	-146.7	-152.4	VTHETA PR2
STATION 2	U 1	300.93	305.29	308.60	320.65	336.74	352.46	364.28	368.10	372.19	U 1
	U 2	302.05	305.54	309.02	319.47	333.41	347.36	357.81	361.30	364.78	U 2
STATION 2	M 1	0.2030	0.2025	0.2027	0.2052	0.2035	0.2007	0.1967	0.1956	0.1941	M 1
	M 2	0.3052	0.2825	0.2501	0.2921	0.2953	0.2925	0.2798	0.2740	0.2663	M 2
STATION 2	M(PR) 1	0.3383	0.3412	0.3437	0.3540	0.3649	0.3752	0.3821	0.3845	0.3868	M(PR) 1
	M(PR) 2	0.1375	0.1810	0.1679	0.2257	0.2422	0.2481	0.2438	0.2358	0.2314	M(PR) 2
STATION 2	TURN(PR) 1	44.033	37.525	35.350	33.150	31.475	29.694	26.792	25.735	23.986	TURN(PR) 1
	UUBAR	0.2130	0.2383	0.2211	0.1045	0.0665	0.0718	0.0955	0.1233	0.1351	UUBAR
STATION 2	LUSS PARA	0.0829	0.0912	0.0844	0.0403	0.0203	0.0287	0.0377	0.0483	0.0520	LUSS PARA
	DFAC	0.7243	0.7270	0.7045	0.5980	0.5666	0.5676	0.5873	0.6154	0.6284	DFAC
STATION 2	EFFP	0.8003	0.7984	0.8120	0.9176	0.9401	0.9253	0.8706	0.8397	0.8082	EFFP
	EFF	0.9790	0.7965	0.8102	0.9167	0.9455	0.9244	0.8692	0.8380	0.8062	EFF
STATION 2	INCID	-3.297	-2.624	-2.418	-3.129	-5.182	-8.192	-11.160	-12.477	-13.963	INCID
	DEVM	16.995	19.567	18.712	11.672	8.233	8.864	12.948	14.628	17.250	DEVM
STATION 2	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	15.830	15.690	15.690	15.790	15.830	15.870	15.838	15.822	15.800	P 2
STATION 2	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	531.390	531.090	530.810	530.450	530.700	531.180	531.620	531.920	532.180	T 2
STATOR 4											
STATION 2	PCT SPAN	94.96	90.34	84.87	69.63	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.430	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	52.480	51.980	50.500	44.020	41.820	41.500	42.540	44.290	45.280	BETA 2
	BETA 2A	4.070	3.730	3.540	3.330	4.050	5.520	7.800	8.650	9.530	BETA 2A
STATION 2A	V 2	341.64	316.55	313.85	327.00	330.64	327.66	313.74	307.44	299.04	V 2
	V 2A	215.65	215.04	214.20	249.29	263.49	276.38	261.32	253.33	245.75	V 2A
STATION 2A	VZ 2	208.07	194.98	199.63	235.12	246.34	245.31	231.07	219.98	210.34	VZ 2
	VZ 2A	215.31	214.56	213.78	248.73	267.93	275.09	258.91	250.45	242.36	VZ 2A
STATION 2A	V-THETA 2	270.97	249.38	242.17	227.21	220.40	217.03	212.03	214.60	212.40	V-THETA 2
	V-THETA 2A	15.32	13.79	13.33	10.65	18.37	26.59	35.47	38.10	40.69	V-THETA 2A
STATION 2A	M 2	0.3052	0.2825	0.2501	0.2921	0.2953	0.2925	0.2798	0.2740	0.2663	M 2
	M 2A	0.1917	0.1911	0.1904	0.2219	0.2342	0.2461	0.2325	0.2252	0.2184	M 2A
STATION 2A	TURN(PR) 1	48.410	43.250	46.919	40.134	37.755	35.960	34.718	35.618	35.728	TURN(PR) 1
	UUBAR	0.1306	0.1224	0.1172	0.0827	0.0318	0.0472	0.1070	0.1524	0.1897	UUBAR
STATION 2A	LUSS PARA	0.0537	0.0508	0.0492	0.0272	0.0144	0.0220	0.0512	0.0735	0.0920	LUSS PARA
	DFAC	0.6068	0.6306	0.6249	0.5181	0.4643	0.4314	0.4412	0.4583	0.4633	DFAC
STATION 2A	EFFP	0.6324	0.7845	0.7769	0.6192	0.3505	0.6260	0.6065	0.5474	0.4942	EFFP
	INCID	-1.330	0.110	0.269	-3.166	-4.445	-7.270	-9.882	-9.652	-10.542	INCID
STATION 2A	DEVM	18.550	19.320	18.200	16.350	15.720	18.040	21.920	23.600	25.480	DEVM
	P 2	15.720	15.699	15.685	15.775	15.830	15.866	15.822	15.825	15.820	P 2
STATION 2A	P 2A	15.605	15.595	15.538	15.719	15.601	15.823	15.734	15.702	15.672	P 2A
	T 2	531.390	531.090	530.810	530.450	530.700	531.180	531.620	531.920	532.180	T 2
	T 2A	531.390	531.090	530.810	530.450	530.700	531.180	531.620	531.920	532.180	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 49.71

EQUIVALENT ROTOR SPEED = 2093.00

CORRECTED WEIGHT FLOW = 49.74

PRESSURE RATIO = 1.0700

INLET										
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950
STATION 1	BETA C	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	V 0	183.14	183.14	183.14	183.14	183.14	183.14	183.14	183.14	183.14
	V 1	198.61	202.00	202.00	203.82	205.02	200.16	196.74	195.82	195.50
	VZ 0	183.14	183.14	183.14	183.14	183.14	183.14	183.14	183.14	183.14
	VZ 1	198.61	202.00	202.00	203.81	204.99	200.13	196.70	195.77	195.49
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M 0	0.1645	0.1645	0.1645	0.1645	0.1645	0.1645	0.1645	0.1645	0.1645
	M 1	0.1785	0.1815	0.1815	0.1832	0.1843	0.1799	0.1768	0.1759	0.1757
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DFAC	-0.085	-0.103	-0.103	-0.113	-0.120	-0.093	-0.074	-0.069	-0.068
	EFFP	0.9995	0.9998	0.9998	0.9998	0.9998	1.0002	0.9996	1.0001	1.0011
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
ROTOR 4										
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	BETA 2	50.190	55.980	55.290	49.000	45.970	44.530	46.210	48.280	49.370
	BETA(PR) 1	50.761	56.636	56.923	57.683	58.790	60.530	61.747	62.108	62.402
	BETA(PR) 2	8.114	15.804	17.966	22.709	25.645	28.879	32.759	34.377	36.674
	V 1	198.61	202.00	202.00	203.82	205.02	200.16	196.74	195.82	195.50
	V 2	333.44	310.99	303.44	311.91	318.33	319.01	304.15	302.21	294.77
	VZ 1	198.61	202.00	202.00	203.81	204.99	200.13	196.70	195.77	195.49
	VZ 2	135.54	173.99	175.63	204.61	221.20	227.34	213.17	201.05	191.88
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V-THETA 2	277.05	257.76	253.55	235.38	228.82	223.64	222.37	225.49	223.64
	V(PR) 1	367.8	367.3	370.1	381.2	395.6	406.8	415.6	418.5	422.0
	V(PR) 2	187.4	180.8	184.6	221.6	245.5	259.8	253.6	243.7	239.4
	VTHETA PR1	-302.4	-306.8	-310.1	-322.2	-338.4	-354.2	-366.0	-369.9	-374.0
	VTHETA PR2	-23.5	-49.2	-56.9	-85.6	-100.2	-125.4	-137.2	-137.5	-142.9
	U 1	302.37	306.76	310.14	322.19	338.36	354.16	366.03	369.86	373.97
	U 2	303.50	307.00	310.50	321.00	335.61	349.02	359.53	363.03	366.53
	M 1	0.1735	0.1815	0.1815	0.1832	0.1843	0.1799	0.1768	0.1759	0.1757
	M 2	0.2976	0.2774	0.2751	0.2782	0.2841	0.2845	0.2745	0.2691	0.2623
	M(PR) 1	0.3251	0.3301	0.3326	0.3426	0.3556	0.3656	0.3734	0.3760	0.3792
	M(PR) 2	0.1573	0.1613	0.1647	0.1779	0.2190	0.2316	0.2259	0.2170	0.2130
	TURN(PR)	48.568	40.832	38.958	34.978	33.153	31.665	29.003	27.745	25.748
	UUBAR	0.2262	0.2434	0.2366	0.1480	0.0932	0.0728	0.1071	0.1327	0.1337
	LOSS PARA	0.0381	0.0333	0.0306	0.0568	0.0235	0.0289	0.03420	0.0516	0.0510
	DFAC	0.7640	0.7373	0.7772	0.6747	0.6276	0.6085	0.6370	0.6690	0.6822
	EFFP	0.8175	0.8330	0.8406	0.8752	0.9334	0.9159	0.8700	0.8540	0.8265
	EFF	0.8462	0.8313	0.8390	0.8739	0.9327	0.9150	0.8686	0.8523	0.8266
	INCID	0.271	0.416	0.643	-0.017	-2.563	-5.324	-8.438	-9.788	-11.449
	DEVM	16.614	19.304	18.165	12.955	9.254	9.761	13.458	15.307	18.003
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	P 2	15.873	15.759	15.756	15.795	15.874	15.920	15.898	15.891	15.888
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
	T 2	531.750	531.300	531.150	531.080	531.110	531.830	532.290	532.470	532.900
STATOR 4										
	PCT SPAN	94.96	90.34	84.37	69.66	49.58	29.48	14.64	9.66	4.76
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650
STATION 2A	BETA 2	50.190	55.980	55.290	49.000	45.970	44.530	46.210	48.280	49.370
	BETA 2A	4.220	3.710	3.000	4.260	4.780	5.750	7.750	8.780	9.500
	V 2	333.44	310.99	303.44	311.91	318.33	319.01	304.15	302.21	294.77
	V 2A	202.32	202.25	194.35	225.72	257.54	264.10	243.74	239.98	235.25
	VZ 2	135.54	173.99	175.63	204.61	221.20	227.34	213.17	201.05	191.88
	VZ 2A	201.77	201.82	198.95	225.10	250.64	262.77	241.52	237.17	231.98
	V-THETA 2	277.05	257.76	253.55	235.38	228.82	223.64	222.37	225.49	223.64
	V-THETA 2A	14.69	13.09	12.52	16.77	21.40	26.46	32.87	36.63	39.07
	M 2	0.2976	0.2774	0.2751	0.2782	0.2841	0.2845	0.2745	0.2691	0.2623
	M 2A	0.1790	0.1796	0.1770	0.2006	0.2292	0.2349	0.2165	0.2131	0.2088
	TURN(PR)	51.970	52.270	51.689	44.734	41.175	38.759	38.438	39.478	39.788
	UUBAR	0.1455	0.1375	0.1272	0.0728	0.0667	0.0684	0.1192	0.1520	0.1912
	LOSS PARA	0.0598	0.0571	0.0535	0.0315	0.0210	0.0319	0.0571	0.0733	0.0928
	DFAC	0.7174	0.6776	0.6832	0.5816	0.4868	0.4644	0.5084	0.5132	0.5127
	EFFP	0.6253	0.7571	0.7344	0.8125	0.9061	0.8088	0.6023	0.5500	0.4563
	INCID	2.380	4.110	5.059	1.814	-0.345	-4.240	-8.212	-5.662	-6.452
	DEVM	20.700	17.300	16.220	16.700	16.450	18.270	21.870	23.730	25.510
	P 2	15.765	15.753	15.727	15.778	15.886	15.926	15.867	15.874	15.878
	P 2A	15.643	15.641	15.628	15.715	15.845	15.800	15.774	15.758	15.738
	T 2	531.750	531.300	531.150	531.080	531.110	531.830	532.290	532.470	532.900
	T 2A	531.750	531.300	531.150	531.080	531.110	531.830	532.290	532.470	532.900

Table B-1. Blade Element Performance, Unslotted Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 50.14		EQUIVALENT ROTOR SPEED = 2111.00		CORRECTED WEIGHT FLOW = 47.82		PRESSURE RATIO = 1.0692					
INLET											
STATION 3 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	175.88	175.88	175.88	175.88	175.88	175.88	175.88	175.88	175.88	V 0
	V 1	199.54	198.92	198.92	198.92	198.92	195.82	191.04	190.06	188.78	V 1
	VZ 0	175.88	175.88	175.88	175.88	175.88	175.88	175.88	175.88	175.88	VZ 0
	VZ 1	199.54	198.92	198.92	198.92	198.92	195.79	190.99	190.02	188.77	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.1579	0.1579	0.1579	0.1579	0.1579	0.1579	0.1579	0.1579	0.1579	M 0
	M 1	0.1793	0.1788	0.1788	0.1788	0.1788	0.1759	0.1716	0.1707	0.1696	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.135	-0.131	-0.131	-0.131	-0.131	-0.113	-0.086	-0.081	-0.073	DFAC
	EFFP	0.9997	0.9994	0.9994	0.9994	0.9994	0.9999	0.9995	0.9991	1.0006	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
STATION 4 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	57.680	57.740	57.020	50.730	46.430	45.720	49.270	50.880	51.440	BETA 2
	BETA(PK) 1	57.680	57.261	57.546	58.528	59.766	61.272	62.646	63.007	63.414	BETA(PK) 1
	BETA(PK) 2	57.671	57.755	57.595	24.388	27.369	30.588	34.464	34.732	35.920	BETA(PK) 2
	V 1	199.54	198.92	198.92	198.92	198.92	195.82	191.04	190.06	188.78	V 1
	V 2	340.57	310.82	330.62	305.14	312.56	312.01	300.87	301.65	299.79	V 2
	VZ 1	199.54	198.92	198.92	198.92	198.92	195.79	190.99	190.02	188.77	VZ 1
	VZ 2	181.02	165.90	168.54	193.13	215.37	217.76	196.25	190.42	186.81	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	288.44	262.84	259.72	236.21	226.40	223.30	227.92	234.15	234.35	V-THETA 2
	V(PK) 1	364.5	367.8	370.7	381.0	395.0	407.4	415.7	418.7	421.8	V(PK) 1
	V(PK) 2	181.9	172.4	176.8	212.1	242.6	253.1	238.2	231.8	230.8	V(PK) 2
	VTHETA PR1	-305.0	-309.4	-312.6	-325.0	-341.3	-357.2	-369.2	-373.0	-377.2	VTHETA PR1
	VTHETA PR2	-17.7	-46.8	-53.4	-87.6	-111.5	-128.7	-134.7	-132.0	-135.3	VTHETA PR2
	U 1	304.98	309.40	312.40	324.96	341.27	357.20	369.18	373.04	377.19	U 1
	U 2	306.11	309.65	313.17	323.77	337.90	352.02	362.62	366.15	369.68	U 2
	M 1	0.1793	0.1788	0.1788	0.1788	0.1788	0.1759	0.1716	0.1707	0.1696	M 1
	M 2	0.3640	0.2771	0.2761	0.2738	0.2738	0.2782	0.2679	0.2688	0.2667	M 2
M(PK) 1	0.3275	0.3305	0.3331	0.3424	0.3550	0.3660	0.3734	0.3761	0.3789	M(PK) 1	
M(PK) 2	0.1624	0.1537	0.1577	0.1691	0.2164	0.2257	0.2121	0.2064	0.2053	M(PK) 2	
TURN(PK)	51.232	41.506	39.951	34.144	32.405	30.699	28.196	28.290	27.513	TURN(PK)	
UUBAR	0.2202	0.2539	0.2504	0.1651	0.0923	0.0846	0.1478	0.1642	0.1662	UUBAR	
LOSS PARA	0.0363	0.0973	0.0961	0.0626	0.0358	0.0330	0.0568	0.0636	0.0640	LOSS PARA	
DFAC	0.8129	0.8160	0.8054	0.7010	0.5336	0.6251	0.6805	0.7072	0.7143	DFAC	
EFFP	0.9141	0.8324	0.8426	0.8770	0.9159	0.9291	0.9548	0.9524	0.9249	EFFP	
EFF	0.9131	0.8307	0.8410	0.8757	0.9150	0.9282	0.9532	0.9508	0.9228	EFF	
INCID	0.374	1.041	1.266	0.827	-1.528	-4.581	-7.540	-8.889	-10.437	INCID	
DEVM	14.071	19.255	17.795	14.633	10.957	11.470	15.164	15.661	17.249	DEVM	
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1	
P 2	15.950	15.785	15.734	15.790	15.672	15.513	15.885	15.911	15.920	P 2	
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
T 2	532.170	531.610	531.440	531.000	531.330	531.570	532.390	532.720	533.300	T 2	
STATION 4 STATION 2	PCT SPAN	94.96	90.34	84.87	69.68	49.56	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.450	35.315	36.450	37.885	39.945	39.300	39.650	DIA
	BETA 2	57.680	57.740	57.020	50.730	46.430	45.720	49.270	50.880	51.440	BETA 2
	BETA 2A	57.730	57.150	57.300	57.300	46.810	6.150	7.480	8.130	8.810	BETA 2A
	V 2	340.57	310.82	309.62	305.14	312.56	312.01	300.87	301.89	299.79	V 2
	V 2A	190.26	191.43	194.14	216.15	235.30	245.45	239.98	235.21	221.97	V 2A
	VZ 2	181.02	165.90	168.54	193.13	215.37	217.76	196.25	190.42	186.81	VZ 2
	VZ 2A	181.02	161.14	153.89	215.67	237.09	244.04	237.94	232.84	219.35	VZ 2A
	V-THETA 2	288.44	262.84	259.72	236.21	226.40	223.30	227.92	234.15	234.35	V-THETA 2
	V-THETA 2A	12.58	10.45	9.92	14.33	19.26	26.30	31.24	33.26	34.00	V-THETA 2A
	M 2	0.3040	0.2771	0.2761	0.2721	0.2738	0.2782	0.2679	0.2688	0.2667	M 2
	M 2A	0.1667	0.1699	0.1723	0.1921	0.2133	0.2182	0.2131	0.2088	0.1968	M 2A
	TURN(PK)	54.150	54.610	54.699	46.924	41.805	39.549	41.768	42.728	42.668	TURN(PK)
	UUBAR	0.1509	0.1439	0.1291	0.0669	0.0460	0.0825	0.1353	0.1481	0.1758	UUBAR
	LOSS PARA	0.0621	0.0598	0.0543	0.0290	0.0207	0.0386	0.0648	0.0715	0.0855	LOSS PARA
	DFAC	0.7756	0.7226	0.7131	0.6084	0.5335	0.5119	0.5206	0.5479	0.5912	DFAC
	EFFP	0.5734	0.7394	0.7374	0.8002	0.9102	0.6970	0.6674	0.5506	0.4334	EFFP
	INCID	4.070	5.870	6.734	3.944	0.115	-3.050	-3.152	-3.062	-4.382	INCID
	DEVM	20.210	18.720	17.550	16.320	16.280	18.670	21.600	23.090	24.760	DEVM
	P 21	15.775	15.764	15.752	15.760	15.842	15.880	15.895	15.881	15.840	P 21
P 2A	15.652	15.649	15.651	15.709	15.805	15.814	15.789	15.770	15.719	P 2A	
T 2	532.170	531.610	531.440	531.000	531.330	531.570	532.390	532.720	533.300	T 2	
T 2A	532.170	531.610	531.440	531.000	531.330	531.570	532.390	532.720	533.300	T 2A	

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 70.83 EQUIVALENT ROTOR SPEED = 2982.00 CORRECTED WEIGHT FLOW = 97.13 PRESSURE RATIO = 1.0766											
INLET											
STATION 1 STATION 2	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.260	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	372.90	372.90	372.90	372.90	372.90	372.90	372.90	372.90	372.90	V 0
	V 1	418.25	418.73	418.10	417.35	416.76	405.68	399.25	398.44	396.82	V 1
	VZ 0	372.90	372.90	372.90	372.90	372.90	372.90	372.90	372.90	372.90	VZ 0
	VZ 1	418.25	418.73	418.10	417.34	416.70	405.62	399.15	398.34	396.80	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3378	0.3378	0.3378	0.3378	0.3378	0.3378	0.3378	0.3378	0.3378	M 0
	M 1	0.3601	0.3786	0.3780	0.3792	0.3730	0.3683	0.3623	0.3615	0.3600	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.122	-0.118	-0.116	-0.119	-0.102	-0.088	-0.071	-0.069	-0.064	DFAC
	EFFP	0.9999	1.0000	0.9999	1.0000	0.9999	0.9999	0.9998	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEV4	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEV4
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.235	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PR) 1	40.645	40.364	40.720	47.724	49.571	51.205	52.570	52.914	53.324	BETA(PR) 1
	BETA(PR) 2	13.416	14.527	14.971	19.816	20.717	29.182	31.492	33.255	35.131	BETA(PR) 2
	V 1	418.25	418.73	418.10	417.35	416.76	405.68	399.25	398.44	396.82	V 1
	V 2	528.95	555.79	577.64	557.41	514.13	504.40	498.77	494.11	465.69	V 2
	VZ 1	418.25	418.73	418.10	417.34	416.70	405.62	399.15	398.34	396.80	VZ 1
	VZ 2	409.65	454.72	485.81	479.12	448.01	435.40	432.99	418.56	397.05	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	334.69	319.58	312.43	284.71	251.92	254.12	246.98	242.79	242.84	V-THETA 2
	V(PR) 1	600.0	603.9	607.0	620.4	633.5	647.4	656.8	660.6	664.3	V(PR) 1
	V(PR) 2	421.1	409.7	502.9	509.4	501.8	499.0	508.1	500.7	485.7	V(PR) 2
	VTHETA PR1	-430.8	-437.1	-441.9	-459.0	-482.1	-504.6	-521.5	-527.6	-532.8	VTHETA PR1
	VTHETA PR2	-177.7	-177.8	-129.9	-172.6	-225.5	-243.2	-265.3	-274.4	-279.4	VTHETA PR2
	U 1	430.81	437.05	441.87	459.04	482.07	504.58	521.50	526.96	532.82	U 1
	U 2	432.41	437.41	442.39	457.35	477.31	497.27	512.23	517.23	522.21	U 2
	M 1	0.3801	0.3786	0.3780	0.3792	0.3730	0.3683	0.3623	0.3615	0.3600	M 1
	M 2	0.4737	0.4993	0.5199	0.5016	0.4616	0.4522	0.4474	0.4337	0.4166	M 2
	M(PR) 1	0.5456	0.5486	0.5514	0.5637	0.5752	0.5878	0.5960	0.5995	0.6028	M(PR) 1
	M(PR) 2	0.3771	0.4220	0.4526	0.4565	0.4554	0.4474	0.4558	0.4466	0.4345	M(PR) 2
	TURN(PR)	24.425	31.837	31.749	27.911	22.862	22.037	21.090	19.072	18.213	TURN(PR)
	UUBAR	0.2613	0.1465	0.0616	0.0640	0.1227	0.1682	0.1788	0.2099	0.2568	UUBAR
	LGSS PARA	0.1002	0.0565	0.0240	0.0251	0.0476	0.0665	0.0711	0.0827	0.0999	LGSS PARA
	DFAC	0.9135	0.4330	0.3789	0.3697	0.3797	0.4057	0.4002	0.4135	0.4409	DFAC
	EFFP	0.7355	0.8395	0.9274	0.9540	0.8233	0.7725	0.7865	0.7182	0.6364	EFFP
	EFF	0.7019	0.8365	0.9259	0.9531	0.8206	0.7691	0.7835	0.7145	0.6322	EFF
	INCID	-10.555	-9.556	-9.500	-9.976	-11.723	-14.649	-17.617	-18.983	-20.527	INCID
	DEV4	21.316	18.027	15.171	10.302	10.305	10.064	12.193	14.185	16.460	DEV4
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.400	18.400	18.400	18.400	18.400	18.400	18.400	18.400	18.400	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.260	541.450	541.620	539.430	538.410	538.900	537.920	537.970	538.080	T 2
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.87	69.68	49.35	29.43	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	39.945	39.300	39.650	DIA
	BETA 2A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2A
	V 2	528.95	555.79	577.64	557.41	514.13	504.40	498.77	494.11	465.69	V 2
	V 2A	469.55	506.57	512.32	512.70	493.06	504.38	456.40	429.45	424.75	V 2A
	VZ 2	409.65	454.72	485.81	479.12	448.01	435.40	432.99	418.56	397.05	VZ 2
	VZ 2A	469.55	504.34	510.00	512.29	492.25	501.15	452.02	425.41	420.92	VZ 2A
	V-THETA 2	334.69	319.58	312.43	284.71	251.92	254.12	246.98	242.79	242.84	V-THETA 2
	V-THETA 2A	52.45	47.50	39.39	20.67	28.21	50.92	53.12	58.73	50.91	V-THETA 2A
	M 2	0.4737	0.4993	0.5199	0.5016	0.4616	0.4522	0.4474	0.4337	0.4166	M 2
	M 2A	0.4373	0.4332	0.4584	0.4593	0.4419	0.4522	0.4081	0.3852	0.3789	M 2A
	TURN(PR)	33.100	29.720	28.339	28.405	26.047	23.772	21.731	22.241	23.730	TURN(PR)
	UUBAR	0.1866	0.1354	0.1368	0.1293	0.1040	0.0690	0.1184	0.2219	0.2475	UUBAR
	LGSS PARA	0.0765	0.0561	0.0574	0.0561	0.0469	0.0323	0.0567	0.1072	0.1207	LGSS PARA
	DFAC	0.2945	0.2927	0.3124	0.2865	0.2355	0.1852	0.2047	0.3001	0.2863	DFAC
	EFFP	0.1391	0.1448	0.0814	-0.0551	-0.5224	-1356.2104	-0.6484	-0.5041	-0.7590	EFFP
	INCID	-14.563	-18.770	-17.481	-16.465	-16.972	-18.498	-22.719	-23.819	-24.370	INCID
	DEV4	22.630	20.970	19.030	14.430	14.950	19.000	22.070	22.810	23.650	DEV4
	P 2	16.550	16.600	16.150	16.600	16.215	16.215	15.845	15.810	15.790	P 2
	P 2A	18.000	18.256	18.296	18.277	18.000	18.073	15.645	15.442	15.384	P 2A
	T 2	542.260	541.460	541.620	539.430	538.410	538.900	537.920	537.970	538.080	T 2
	T 2A	542.260	541.460	541.620	539.430	538.410	538.900	537.920	537.970	538.080	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 70.31

EQUIVALENT ROTOR SPEED = 2960.00

CORRECTED WEIGHT FLOW = 91.63

PRESSURE RATIO = 1.1048

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.290	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	V 0
	V 1	388.61	389.43	389.43	390.75	385.28	380.24	372.90	371.35	370.15	370.15	V 1
	VZ 0	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	VZ 0
	VZ 1	388.61	389.43	389.43	390.75	385.22	380.18	372.82	371.26	370.13	370.13	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3160	0.3160	0.3160	0.3160	0.3160	0.3160	0.3160	0.3160	0.3160	0.3160	M 0
	M 1	0.3524	0.3532	0.3532	0.3544	0.3493	0.3446	0.3378	0.3364	0.3353	0.3353	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.113	-0.115	-0.115	-0.119	-0.103	-0.089	-0.068	-0.063	-0.060	-0.060	DFAC
	EFFP	1.0001	0.9998	0.9998	1.0000	0.9999	1.0000	0.9999	0.9998	1.0001	1.0001	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.517	34.000	35.150	36.634	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	43.090	43.380	43.870	44.350	44.830	45.310	45.790	46.270	46.750	47.230	BETA 2
	BETA(PR) 1	47.737	48.087	48.599	49.185	49.765	50.345	50.925	51.505	52.085	52.665	BETA(PR) 1
	BETA(PR) 2	11.945	14.634	15.589	19.055	25.217	29.373	33.529	37.685	41.841	45.997	BETA(PR) 2
	V 1	388.61	389.43	389.43	390.75	385.28	380.24	372.90	371.35	370.15	370.15	V 1
	V 2	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	V 2
	VZ 1	388.61	389.43	389.43	390.75	385.22	380.18	372.82	371.26	370.13	370.13	VZ 1
	VZ 2	374.15	401.30	420.75	440.20	459.65	479.10	498.55	518.00	537.45	556.90	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	350.53	329.39	320.07	301.08	275.21	264.28	245.13	274.68	269.60	269.60	V-THETA 2
	V(PR) 1	577.8	583.0	586.5	590.3	614.3	628.8	643.3	648.5	653.7	658.9	V(PR) 1
	V(PR) 2	352.5	414.8	443.1	480.0	517.7	555.4	593.1	630.8	668.5	706.2	V(PR) 2
	VTHETA PR1	-427.6	-433.8	-439.0	-445.2	-451.4	-457.6	-463.8	-469.9	-476.1	-482.3	VTHETA PR1
	VTHETA PR2	-79.2	-104.8	-119.1	-152.3	-190.6	-229.3	-268.0	-306.7	-345.4	-384.1	VTHETA PR2
	U 1	427.63	433.83	439.03	445.23	451.43	457.63	463.83	469.93	476.13	482.33	U 1
	U 2	429.22	434.18	439.12	444.06	448.99	453.93	458.87	463.81	468.75	473.69	U 2
	A 1	0.3524	0.3532	0.3532	0.3544	0.3493	0.3446	0.3378	0.3364	0.3353	0.3353	A 1
	M 2	0.4577	0.4644	0.4779	0.4792	0.4511	0.4343	0.4331	0.4220	0.3937	0.3937	M 2
	M(PR) 1	0.5240	0.5247	0.5119	0.5444	0.5549	0.5649	0.5750	0.5811	0.5847	0.5847	M(PR) 1
	M(PR) 2	0.3410	0.3710	0.3909	0.4184	0.4176	0.4181	0.4020	0.4042	0.3827	0.3827	M(PR) 2
	TURN(PR)	35.788	33.453	32.411	30.333	28.955	23.440	24.615	22.793	19.647	19.647	TURN(PR)
	UUBAR	0.240	0.1804	0.1007	0.0493	0.0754	0.1067	0.1735	0.1744	0.2317	0.2317	UUBAR
	LCSS PARA	0.0001	0.0041	0.0391	0.0194	0.0206	0.0421	0.0703	0.0698	0.0898	0.0898	LCSS PARA
	DFAC	0.770	0.8102	0.8606	0.9253	0.9173	0.8435	0.8524	0.8221	0.7031	0.7031	DFAC
	EFFP	0.7506	0.8007	0.8732	0.9113	0.9153	0.8408	0.8502	0.8191	0.6986	0.6986	EFFP
	INCID	-9.693	-8.133	-7.381	-6.315	-5.129	-4.055	-3.948	-3.263	-2.837	-2.837	INCID
	DEVH	20.449	18.134	15.788	9.301	8.300	10.256	10.350	12.784	16.716	16.716	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.450	542.610	542.210	541.200	539.760	540.610	540.670	540.500	541.140	541.140	T 2
STATION 4		PCT SPAN	74.90	50.34	34.87	69.58	49.30	29.40	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.920	35.010	36.450	37.885	39.345	39.300	39.650	39.650	DIA
	BETA 2	43.090	43.380	43.870	44.350	44.830	45.310	45.790	46.270	46.750	47.230	BETA 2
	BETA 2A	47.737	48.087	48.599	49.185	49.765	50.345	50.925	51.505	52.085	52.665	BETA 2A
	V 2	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	349.30	V 2
	V 2A	413.21	420.45	423.33	429.29	437.31	442.05	443.63	443.83	443.83	443.83	V 2A
	VZ 2	374.15	401.30	420.75	440.20	459.65	479.10	498.55	518.00	537.45	556.90	VZ 2
	VZ 2A	412.33	419.40	422.75	429.40	437.36	442.04	443.11	443.31	443.65	443.65	VZ 2A
	V-THETA 2	350.53	329.39	320.07	301.08	275.21	264.28	245.13	274.68	269.60	269.60	V-THETA 2
	V-THETA 2A	27.03	23.32	21.50	21.27	14.67	42.54	53.85	52.23	53.38	53.38	V-THETA 2A
	M 2	0.4577	0.4644	0.4779	0.4792	0.4511	0.4343	0.4331	0.4220	0.3937	0.3937	M 2
	M 2A	0.3604	0.3733	0.3761	0.4150	0.3949	0.4030	0.3678	0.3452	0.3455	0.3455	M 2A
	TURN(PR)	39.340	36.200	33.949	31.754	31.237	27.551	28.709	27.819	29.689	29.689	TURN(PR)
	UUBAR	0.1562	0.1390	0.1175	0.0636	0.0625	0.0358	0.0953	0.1780	0.1917	0.1917	UUBAR
	LCSS PARA	0.0643	0.0578	0.0494	0.0276	0.0283	0.0168	0.0457	0.0860	0.0934	0.0934	LCSS PARA
	DFAC	0.4535	0.4359	0.4424	0.3578	0.3468	0.2859	0.3800	0.4087	0.3624	0.3624	DFAC
	EFFP	0.5737	0.5678	0.4929	0.6274	0.5706	0.6278	0.2018	0.1413	0.1177	0.1177	EFFP
	INCID	-10.720	-12.490	-13.361	-12.805	-13.183	-15.797	-10.211	-13.381	-18.231	-18.231	INCID
	DEVH	20.230	18.770	17.540	13.140	13.550	17.920	21.600	22.570	23.830	23.830	DEVH
	P 2	16.625	16.640	16.610	16.837	16.635	16.565	16.330	16.275	16.272	16.272	P 2
	P 2A	16.279	16.329	16.351	16.000	16.504	16.494	16.167	15.783	15.502	15.502	P 2A
	T 2	543.450	542.610	542.210	541.200	539.760	540.610	540.670	540.500	541.140	541.140	T 2
	T 2A	543.450	542.610	542.210	541.200	539.760	540.610	540.670	540.500	541.140	541.140	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 70.05 EQUIVALENT ROTOR SPEED = 2949.00 CORRECTED WEIGHT FLOW = 82.59 PRESSURE RATIO = 1.1256											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	311.68	311.68	311.68	311.68	311.68	311.68	311.68	311.68	311.68	V 0
	V 1	347.01	351.38	353.91	349.75	345.72	340.72	334.71	331.86	327.05	V 1
	VZ 0	311.68	311.68	311.68	311.68	311.68	311.68	311.68	311.68	311.68	VZ 0
	VZ 1	347.01	351.38	353.91	349.74	345.67	340.67	334.63	331.78	327.04	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	M 0
	M 1	0.3139	0.3179	0.3194	0.3164	0.3127	0.3081	0.3025	0.2999	0.2955	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.113	-0.127	-0.133	-0.122	-0.109	-0.093	-0.074	-0.065	-0.049	DFAC
	EFFP	0.9998	0.9999	1.0000	0.9998	0.9997	0.9997	0.9997	0.9998	0.9997	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.884	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	49.430	46.380	43.800	39.250	38.180	37.980	35.130	41.180	43.770	BETA 2
	BETA(PR) 1	50.637	50.890	51.057	52.389	54.055	55.679	57.023	57.517	58.174	BETA(PR) 1
	BETA(PR) 2	10.533	15.697	17.767	20.542	24.759	29.159	32.252	33.415	34.902	BETA(PR) 2
	V 1	347.01	351.38	353.91	349.75	345.72	340.72	334.71	331.86	327.05	V 1
	V 2	466.64	471.30	474.69	490.25	481.49	466.26	452.27	443.03	432.13	V 2
	VZ 1	347.01	351.38	353.91	349.74	345.67	340.67	334.63	331.78	327.04	VZ 1
	VZ 2	315.85	325.14	343.75	379.70	378.36	367.36	350.67	333.30	311.93	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	368.90	341.19	327.35	310.01	297.53	286.80	285.29	291.58	298.81	V-THETA 2
	V(PR) 1	349.5	357.0	361.8	375.1	388.9	404.2	414.8	417.8	420.2	V(PR) 1
	V(PR) 2	321.3	337.7	361.0	403.6	416.8	420.9	414.9	399.5	380.5	V(PR) 2
	VTHETA PR1	-426.0	-432.2	-437.0	-454.0	-476.7	-499.0	-515.7	-521.1	-526.9	VTHETA PR1
	VTHETA PR2	-58.7	-91.4	-110.1	-142.3	-174.5	-205.0	-221.3	-219.9	-217.6	VTHETA PR2
	U 1	426.04	432.22	436.98	453.96	476.74	499.00	515.73	521.13	526.92	U 1
	U 2	427.62	432.56	437.49	452.29	472.03	491.77	506.57	511.51	516.43	U 2
	M 1	0.3139	0.3179	0.3194	0.3164	0.3127	0.3081	0.3025	0.2999	0.2955	M 1
	M 2	0.4330	0.4202	0.4234	0.4380	0.4300	0.4157	0.4025	0.3937	0.3836	M 2
	M(PR) 1	0.44970	0.5040	0.5083	0.5134	0.5326	0.5463	0.5557	0.5584	0.5603	M(PR) 1
	M(PR) 2	0.2804	0.3011	0.3220	0.3623	0.3723	0.3753	0.3693	0.3551	0.3378	M(PR) 2
	TURN(PR)	40.304	35.193	33.301	31.951	29.303	26.533	24.784	24.112	23.291	TURN(PR)
	UUBAR	0.2335	0.2025	0.1558	0.0707	0.0678	0.0338	0.1127	0.1545	0.1953	UUBAR
	LOSS PARA	0.0958	0.0776	0.0598	0.0270	0.0268	0.0331	0.0445	0.0607	0.0762	LOSS PARA
	DFAC	0.0661	0.0377	0.0923	0.5171	0.5106	0.5167	0.5397	0.5735	0.6132	DFAC
	EFFP	0.8421	0.8414	0.8661	0.9443	0.9512	0.9192	0.8763	0.8224	0.7972	EFFP
	EFF	0.8350	0.8334	0.8586	0.9432	0.9404	0.9170	0.8739	0.8190	0.7934	EFF
	INCID	-5.593	-5.330	-5.213	-5.312	-7.239	-10.175	-13.164	-14.379	-15.677	INCID
	DEVM	19.833	19.197	17.766	10.788	8.346	10.042	12.952	14.345	16.231	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.835	16.723	16.765	16.959	16.947	16.892	16.852	16.794	16.747	P 2
	T 1	518.700	514.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.200	541.900	541.700	541.500	541.120	541.570	542.400	543.340	543.590	T 2
STATOR 4											
	PCT SPAN	94.90	90.04	84.87	69.68	49.93	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.590	33.960	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2A	49.430	46.380	43.800	39.230	38.180	37.980	35.130	41.180	43.770	BETA 2A
	BETA 2A	3.400	3.040	2.880	3.350	3.400	3.400	3.170	8.770	9.230	BETA 2A
	V 2	435.64	471.30	474.69	490.25	481.49	466.26	452.27	443.03	432.13	V 2
	V 2A	335.42	334.39	338.46	394.19	405.89	407.84	373.65	368.65	359.83	V 2A
	VZ 2	315.85	325.14	343.75	379.70	378.36	367.36	350.67	333.30	311.93	VZ 2
	VZ 2A	334.81	333.92	338.03	393.64	405.18	406.03	374.81	364.34	355.17	VZ 2A
	V-THETA 2	368.90	341.19	327.35	310.01	297.53	286.80	285.29	291.58	298.81	V-THETA 2
	V-THETA 2A	20.24	17.73	17.01	20.84	24.07	38.38	53.81	56.21	57.72	V-THETA 2A
	M 2	0.4330	0.4202	0.4234	0.4380	0.4300	0.4157	0.4025	0.3937	0.3836	M 2
	M 2A	0.2962	0.2756	0.2993	0.3498	0.3606	0.3622	0.3354	0.3261	0.3180	M 2A
	TURN(PR)	40.970	43.340	40.719	36.194	34.766	32.560	30.933	32.388	34.518	TURN(PR)
	UUBAR	0.1418	0.1331	0.1207	0.0469	0.0358	0.0486	0.0971	0.1587	0.1844	UUBAR
	LOSS PARA	0.0583	0.0553	0.0508	0.0203	0.0161	0.0227	0.0464	0.0766	0.0895	LOSS PARA
	DFAC	0.6094	0.5766	0.5626	0.4926	0.4149	0.3773	0.4121	0.4292	0.4444	DFAC
	EFFP	0.6229	0.6846	0.6640	0.7937	0.8204	0.8428	0.8626	0.8103	0.4176	EFFP
	INCID	-4.340	-5.490	-6.631	-7.956	-8.134	-10.790	-13.292	-12.762	-12.052	INCID
	DEVM	19.940	18.630	17.500	15.550	15.070	17.920	22.290	23.720	25.180	DEVM
	P 2	16.675	16.650	16.650	16.870	16.900	16.910	16.770	16.793	16.740	P 2
	P 2A	16.409	16.405	16.429	16.775	16.829	16.817	16.605	16.523	16.444	P 2A
	T 2	543.200	541.900	541.700	541.500	541.120	541.670	542.400	543.340	543.590	T 2
	T 2A	543.200	541.900	541.700	541.500	541.120	541.670	542.400	543.340	543.590	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.35										EQUIVALENT ROTOR SPEED = 2942.00										CORRECTED WEIGHT FLOW = 77.24										PRESSURE RATIO =1.1353											
INLET																																									
STATION 0 STATION 1	PCT SPAN	56.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN											PCT SPAN																			
	DIA	33.110	33.590	33.960	33.280	37.050	38.780	40.080	40.500	40.950	DIA											DIA																			
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0											BETA 0																			
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1											BETA 1																			
	V 0	289.99	289.99	289.99	289.99	289.99	289.99	289.99	289.99	289.99	V 0											V 0																			
	V 1	317.65	317.25	318.24	318.83	315.65	311.03	305.10	302.41	299.90	V 1											V 1																			
	VZ 0	289.99	289.99	289.99	289.99	289.99	289.99	289.99	289.99	289.99	VZ 0											VZ 0																			
	VZ 1	317.65	317.25	318.24	318.83	315.61	310.98	305.03	302.34	299.89	VZ 1											VZ 1																			
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0											V-THETA 0																			
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1											V-THETA 1																			
	A 0	0.2615	0.2615	0.2615	0.2615	0.2615	0.2615	0.2615	0.2615	0.2615	A 0											A 0																			
	M 1	0.2869	0.2869	0.2874	0.2880	0.2850	0.2808	0.2754	0.2729	0.2706	M 1											M 1																			
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN											TURN																			
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR											UUBAR																			
	DFAC	-0.095	-0.094	-0.097	-0.099	-0.088	-0.073	-0.052	-0.043	-0.034	DFAC											DFAC																			
	EFFP	1.0000	1.0000	0.9996	0.9996	0.9997	1.0000	1.0002	0.9997	0.9995	EFFP											EFFP																			
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID											INCID																			
	DEVN	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVN											DEVN																			
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0											P 0																			
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1											P 1																			
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0											T 0																				
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1											T 1																				
STATION 1 STATION 2	PCT SPAN	95.01	50.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN											PCT SPAN																			
	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA											DIA																			
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1											BETA 1																			
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2											BETA 2																			
	BETA (PR) 1	53.627	33.656	53.870	54.855	56.432	58.067	59.338	59.821	60.296	BETA (PR) 1											BETA (PR) 1																			
	BETA (PR) 2	7.645	15.096	18.296	22.152	25.405	29.130	32.379	33.197	34.788	BETA (PR) 2											BETA (PR) 2																			
	V 1	317.65	317.25	318.24	318.83	315.65	311.03	305.10	302.41	299.90	V 1											V 1																			
	V 2	482.58	451.81	448.81	462.37	463.65	457.38	443.20	437.02	428.29	V 2											V 2																			
	VZ 1	317.65	317.25	318.24	318.83	315.61	310.98	305.03	302.34	299.89	VZ 1											VZ 1																			
	VZ 2	289.47	277.23	293.73	340.70	349.28	347.76	328.86	310.94	295.03	VZ 2											VZ 2																			
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1											V-THETA 1																			
	V-THETA 2	306.87	350.76	339.33	312.52	305.01	296.80	296.83	306.84	310.25	V-THETA 2											V-THETA 2																			
	V (PR) 1	350.6	350.6	359.7	359.9	370.8	370.8	370.8	370.8	370.8	V (PR) 1											V (PR) 1																			
	V (PR) 2	291.2	287.1	309.4	307.9	306.8	308.3	309.6	311.6	315.4	V (PR) 2											V (PR) 2																			
	VTHETA PR1	-431.2	-431.2	-435.9	-452.9	-475.6	-497.8	-514.5	-519.9	-525.7	VTHETA PR1											VTHETA PR1																			
	VTHETA PR2	-39.7	-74.8	-97.1	-133.7	-165.9	-193.3	-208.5	-203.4	-205.0	VTHETA PR2											VTHETA PR2																			
	U 1	425.03	431.19	435.94	452.89	475.61	497.81	514.50	519.89	525.67	U 1											U 1																			
	U 2	425.61	431.54	436.45	451.22	470.91	490.60	505.36	510.29	515.21	U 2											U 2																			
	M 1	0.2469	0.2869	0.2874	0.2880	0.2850	0.2808	0.2754	0.2729	0.2706	M 1											M 1																			
	M 2	0.4299	0.4019	0.3995	0.4121	0.4133	0.4070	0.3937	0.3877	0.3794	M 2											M 2																			
	M (PR) 1	0.4792	0.4834	0.4874	0.5002	0.5155	0.5299	0.5399	0.5427	0.5461	M (PR) 1											M (PR) 1																			
	M (PR) 2	0.2594	0.2554	0.2754	0.3279	0.3447	0.3544	0.3461	0.3298	0.3184	M (PR) 2											M (PR) 2																			
	TURN (PR)	45.334	38.580	35.575	32.707	31.034	28.890	26.973	25.527	25.527	TURN (PR)											TURN (PR)																			
	UUBAR	0.2284	0.2423	0.2012	0.0833	0.0613	0.0545	0.0871	0.1328	0.1648	UUBAR											UUBAR																			
LOSS PARA	0.0091	0.0934	0.0769	0.0321	0.0240	0.0215	0.0343	0.0523	0.0644	LOSS PARA											LOSS PARA																				

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.81

EQUIVALENT ROTOR SPEED = 2939.00

CORRECTED WEIGHT FLOW = 72.38

PRESSURE RATIO = 1.1358

INLET													
		PCT SPAN		96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.230	37.050	38.780	40.080	40.500	40.950	DIA		
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0		
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		
	V 0	270.60	270.60	270.60	270.60	270.60	270.60	270.60	270.60	270.60	V 0		
	V 1	295.90	301.37	300.95	302.41	301.99	295.69	290.12	287.08	283.35	V 1		
	VZ 0	270.60	270.60	270.60	270.60	270.60	270.60	270.60	270.60	270.60	VZ 0		
	VZ 1	295.90	301.37	300.95	302.41	301.99	295.64	290.05	287.01	283.33	VZ 1		
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0		
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		
	M 0	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	0.2438	M 0		
	M 1	0.2665	0.2719	0.2716	0.2729	0.2725	0.2667	0.2616	0.2589	0.2555	M 1		
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN		
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR		
	DFAC	-0.995	-0.114	-0.112	-0.118	-0.116	-0.993	-0.072	-0.061	-0.047	DFAC		
	EFFP	0.9997	1.0000	0.9997	1.0002	0.9999	0.9998	0.9996	1.0000	0.9994	EFFP		
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID		
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH		
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0			
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1			
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0			
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1			
ROTOR 4													
		PCT SPAN		95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.017	34.000	35.150	36.004	38.213	39.368	39.752	40.135	DIA		
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		
	BETA 2	20.200	55.550	52.800	45.550	43.100	42.280	45.360	48.160	49.980	BETA 2		
	BETA(PRI) 1	55.127	55.022	55.354	56.240	57.563	59.269	60.563	61.074	61.651	BETA(PRI) 1		
	BETA(PRI) 2	7.290	10.304	13.536	22.875	26.145	29.638	33.693	35.298	37.935	BETA(PRI) 2		
	V 1	295.90	301.37	300.95	302.41	301.99	295.69	290.12	287.08	283.35	V 1		
	V 2	472.36	435.04	430.03	446.64	451.54	448.28	427.99	418.92	406.33	V 2		
	VZ 1	295.90	301.37	300.95	302.41	301.99	295.64	290.05	287.01	283.33	VZ 1		
	VZ 2	262.77	246.10	263.62	312.75	329.29	331.54	300.62	279.35	261.21	VZ 2		
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		
	V-THETA 2	332.52	358.74	347.31	318.81	308.79	301.47	304.42	312.00	311.08	V-THETA 2		
	V(PRI) 1	517.5	525.7	529.4	544.2	563.0	578.0	590.2	593.4	596.7	V(PRI) 1		
	V(PRI) 2	209.5	256.5	278.2	339.5	367.0	381.7	361.5	342.4	331.3	V(PRI) 2		
	VTHETA PRI	-423.6	-436.8	-435.5	-452.4	-475.1	-497.3	-514.0	-519.4	-525.1	VTHETA PRI		
	VTHETA PR2	-33.7	-72.4	-38.7	-131.9	-161.6	-184.6	-200.4	-197.8	-203.6	VTHETA PR2		
	U 1	424.60	430.75	435.50	452.42	475.12	497.31	513.98	519.36	525.13	U 1		
	U 2	420.17	431.10	436.01	450.76	470.43	490.10	504.85	509.77	514.68	U 2		
M 1	0.2669	0.2719	0.2716	0.2729	0.2725	0.2667	0.2616	0.2589	0.2555	M 1			
M 2	0.4203	0.3864	0.3376	0.3976	0.4019	0.3985	0.3796	0.3711	0.3592	M 2			
M(PRI) 1	0.4605	0.4744	0.4777	0.4911	0.5080	0.5219	0.5323	0.5351	0.5380	M(PRI) 1			
M(PRI) 2	0.4357	0.2278	0.2473	0.3022	0.3267	0.3393	0.3200	0.3034	0.2929	M(PRI) 2			
TURN(PRI)	47.025	38.637	30.758	33.369	31.426	29.644	26.885	25.791	23.736	TURN(PRI)			
UUBAR	0.2500	0.2673	0.2272	0.1146	0.0694	0.0574	0.1138	0.1591	0.1827	UUBAR			
LOSS PARA	0.0976	0.1021	0.0867	0.0440	0.0271	0.0226	0.0442	0.0611	0.0685	LOSS PARA			
DFAC	0.7873	0.7839	0.7390	0.6196	0.5853	0.5745	0.6259	0.6682	0.6901	DFAC			
EFFP	0.8819	0.8080	0.8476	0.9184	0.9547	0.9382	0.8769	0.8439	0.7845	EFFP			
EFF	0.6793	0.8044	0.8447	0.9167	0.9537	0.9369	0.8742	0.8406	0.7801	EFF			
INCID	-1.303	-1.198	-0.926	-1.460	-3.731	-0.585	-9.623	-10.822	-12.200	INCID			
DEVH	19.795	19.884	18.795	13.121	9.734	10.521	14.392	16.227	19.264	DEVH			
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1			
P 2	17.040	10.747	10.782	16.907	17.042	17.112	17.042	16.996	16.935	P 2			
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1			
T 2	544.200	543.250	542.460	541.840	542.230	543.330	544.370	544.900	546.220	T 2			
STATION 4													
		PCT SPAN		94.96	90.34	84.87	69.68	49.50	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.211	33.540	34.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA		
	BETA 2	50.200	55.550	52.800	45.550	43.100	42.280	45.360	48.160	49.980	BETA 2		
	BETA 2A	2.950	2.550	2.420	3.730	4.730	6.100	8.200	9.370	10.170	BETA 2A		
	V 2	472.36	435.04	436.03	446.64	451.54	448.28	427.99	418.92	406.33	V 2		
	V 2A	260.15	279.80	282.03	317.93	359.75	365.42	346.91	338.86	328.69	V 2A		
	VZ 2	262.77	246.10	263.62	312.75	329.29	331.54	300.62	279.35	261.21	VZ 2		
	VZ 2A	205.76	279.93	281.78	317.26	368.52	363.35	343.36	334.34	323.52	VZ 2A		
	V-THETA 2	392.52	398.74	347.31	318.81	308.79	301.47	304.42	312.00	311.08	V-THETA 2		
	V-THETA 2A	14.63	12.45	11.91	20.88	29.66	36.33	49.48	55.17	58.04	V-THETA 2A		
	M 2	0.4203	0.3864	0.3876	0.3976	0.4019	0.3985	0.3796	0.3711	0.3592	M 2		
	M 2A	0.2518	0.2464	0.2486	0.2808	0.3184	0.3231	0.3062	0.2988	0.2893	M 2A		
	TURN(PRI)	53.270	53.000	50.379	41.814	38.415	36.160	37.138	38.768	39.788	TURN(PRI)		
	UUBAR	0.1460	0.1353	0.1301	0.0752	0.0336	0.0734	0.1265	0.1534	0.1866	UUBAR		
	LOSS PARA	0.0601	0.0563	0.0547	0.0326	0.0152	0.0343	0.0605	0.0738	0.0904	LOSS PARA		
	DFAC	0.7241	0.6886	0.6775	0.5789	0.4840	0.4619	0.4795	0.4926	0.5003	DFAC		
	EFFP	0.6200	0.7663	0.7406	0.7704	0.8553	0.7891	0.6019	0.5910	0.5620	EFFP		
	INCID	2.390	3.680	2.509	-1.636	-3.155	-8.490	-7.062	-5.782	-5.842	INCID		
DEVH	19.410	18.140	17.040	16.250	16.400	16.620	22.320	24.320	26.120	DEVH			
P 2A	16.795	16.733	16.728	16.823	17.000	17.095	17.010	17.005	16.985	P 2A			
P 2	16.546	16.513	16.520	16.690	16.941	16.966	16.810	16.767	16.706	P 2			
T 2	544.200	543.250	542.460	541.840	542.230	543.330	544.370	544.900	546.220	T 2			
T 2A	544.200	543.250	542.460	541.840	542.230	543.330	544.370	544.900	546.220	T 2A			

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 70.36											EQUIVALENT ROTOR SPEED = 2902.00											CORRECTED WEIGHT FLOW = 68.25											PRESSURE RATIO = 1.1372													
INLET																																														
STATION 0 STATION 1	PCT SPAN	90.90	91.17	80.75	71.00	49.68	29.24	13.72	8.71	3.34	PCT SPAN	STATION 1 STATION 2	PCT SPAN	90.90	91.17	80.75	71.00	49.68	29.24	13.72	8.71	3.34	PCT SPAN	STATION 2 STATION 2A	PCT SPAN	90.90	91.17	80.75	71.00	49.68	29.24	13.72	8.71	3.34	PCT SPAN	STATION 2A STATION 2B	PCT SPAN	90.90	91.17	80.75	71.00	49.68	29.24	13.72	8.71	3.34
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950
STATION 1 STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	STATION 1 STATION 2	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	STATION 2 STATION 2A	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	STATION 2A STATION 2B	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STATION 1 STATION 1	V 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	V 0	STATION 1 STATION 2	V 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	V 0	STATION 2 STATION 2A	V 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	V 0	STATION 2A STATION 2B	V 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33
	V 1	282.02	283.79	285.11	285.33	285.99	281.13	273.69	271.64	265.37	V 1		V 1	282.02	283.79	285.11	285.33	285.99	281.13	273.69	271.64	265.37	V 1		V 1	282.02	283.79	285.11	285.33	285.99	281.13	273.69	271.64	265.37	V 1		V 1	282.02	283.79	285.11	285.33	285.99	281.13	273.69	271.64	265.37
STATION 1 STATION 1	VZ 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	VZ 0	STATION 1 STATION 2	VZ 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	VZ 0	STATION 2 STATION 2A	VZ 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	VZ 0	STATION 2A STATION 2B	VZ 0	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33	254.33
	VZ 1	282.02	283.79	285.11	285.33	285.99	281.09	273.63	271.57	265.36	VZ 1		VZ 1	282.02	283.79	285.11	285.33	285.99	281.09	273.63	271.57	265.36	VZ 1		VZ 1	282.02	283.79	285.11	285.33	285.99	281.09	273.63	271.57	265.36	VZ 1		VZ 1	282.02	283.79	285.11	285.33	285.99	281.09	273.63	271.57	265.36
STATION 1 STATION 1	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	STATION 1 STATION 2	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	STATION 2 STATION 2A	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	STATION 2A STATION 2B	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STATION 1 STATION 1	M 0	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	M 0	STATION 1 STATION 2	M 0	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	M 0	STATION 2 STATION 2A	M 0	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	M 0	STATION 2A STATION 2B	M 0	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290	0.2290
	M 1	0.2542	0.2559	0.2571	0.2573	0.2579	0.2534	0.2466	0.2448	0.2391	M 1		M 1	0.2542	0.2559	0.2571	0.2573	0.2579	0.2534	0.2466	0.2448	0.2391	M 1		M 1	0.2542	0.2559	0.2571	0.2573	0.2579	0.2534	0.2466	0.2448	0.2391	M 1		M 1	0.2542	0.2559	0.2571	0.2573	0.2579	0.2534	0.2466	0.2448	0.2391
STATION 1 STATION 1	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	STATION 1 STATION 2	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	STATION 2 STATION 2A	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	STATION 2A STATION 2B	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STATION 1 STATION 1	DFAC	-0.109	-0.116	-0.121	-0.122	-0.125	-0.105	-0.076	-0.068	-0.043	DFAC	STATION 1 STATION 2	DFAC	-0.109	-0.116	-0.121	-0.122	-0.125	-0.105	-0.076	-0.068	-0.043	DFAC	STATION 2 STATION 2A	DFAC	-0.109	-0.116	-0.121	-0.122	-0.125	-0.105	-0.076	-0.068	-0.043	DFAC	STATION 2A STATION 2B	DFAC	-0.109	-0.116	-0.121	-0.122	-0.125	-0.105	-0.076	-0.068	-0.043
	EFFP	0.9997	0.9997	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999	0.9997	EFFP		EFFP	0.9997	0.9997	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999	0.9997	EFFP		EFFP	0.9997	0.9997	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999	0.9997	EFFP		EFFP	0.9997	0.9997	0.9999	0.9999	1.0000	0.9999	0.9999	0.9997	0.9997
STATION 1 STATION 1	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	STATION 1 STATION 2	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	STATION 2 STATION 2A	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	STATION 2A STATION 2B	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH		DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH		DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH		DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
STATION 1 STATION 1	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0	STATION 1 STATION 2	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0	STATION 2 STATION 2A	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0	STATION 2A STATION 2B	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
STATION 1 STATION 1	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	STATION 1 STATION 2	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	STATION 2 STATION 2A	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	STATION 2A STATION 2B	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700

Table B-1. Blade Element Performance, Unslotted Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 90.97 EQUIVALENT ROTOR SPEED = 3830.00 CORRECTED WEIGHT FLOW = 115.29 PRESSURE RATIO = 1.1169

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN	
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.230	37.050	38.780	40.080	40.500	40.950	40.950	DIA	
	BETA 0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	BETA 0	
	BETA 1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	BETA 1	
	V 0	455.64	455.54	455.64	455.64	455.64	455.64	455.64	455.64	455.64	455.64	V 0	
	V 1	520.11	521.54	520.11	519.46	512.65	503.23	496.66	491.10	487.00	487.00	V 1	
	VZ 0	455.64	455.64	455.64	455.64	455.64	455.64	455.64	455.64	455.64	455.64	VZ 0	
	VZ 1	520.11	521.54	520.11	519.45	512.57	503.16	496.54	490.56	486.98	486.98	VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	M 0	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	M 0	
	M 1	0.4763	0.4777	0.4763	0.4757	0.4692	0.4602	0.4540	0.4487	0.4448	0.4448	M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR	
	DFAC	-0.141	-0.145	-0.141	-0.140	-0.125	-0.104	-0.090	-0.078	-0.069	-0.069	-0.069	DFAC
	EFFP	0.9999	0.9999	0.9999	0.9999	0.9999	1.0000	1.0000	1.0000	0.9999	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
STATION 4 STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02		PCT SPAN	
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135		DIA	
	BETA 1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		BETA 1	
	BETA 2	41.000	35.950	33.000	30.920	30.860	30.930	29.900	32.300	35.000		BETA 2	
	BETA(PR) 1	40.772	47.105	47.496	48.018	50.380	52.175	53.449	54.042	54.564		BETA(PR) 1	
	BETA(PR) 2	13.078	15.186	15.918	15.144	26.715	29.490	31.940	31.714	31.688		BETA(PR) 2	
	V 1	520.11	521.54	520.11	519.46	512.65	503.23	496.66	491.10	487.00		V 1	
	V 2	608.92	697.29	724.91	694.75	648.99	639.45	633.62	629.02	621.78		V 2	
	VZ 1	520.11	521.54	520.11	519.45	512.57	503.16	496.54	490.98	486.98		VZ 1	
	VZ 2	504.16	505.19	607.95	595.92	550.90	548.12	548.96	531.40	509.07		VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		V-THETA 1	
	V-THETA 2	438.26	408.33	374.81	356.94	332.77	328.69	315.67	335.94	336.45		V-THETA 2	
	V(IPR) 1	759.4	766.2	769.3	735.8	803.8	820.5	833.8	836.2	839.9		V(IPR) 1	
	V(IPR) 2	517.6	585.0	632.2	639.1	623.7	630.0	647.3	625.0	598.6		V(IPR) 2	
	VTHETA PR1	-553.3	-561.3	-567.5	-589.6	-619.2	-648.1	-659.8	-676.8	-684.3		VTHETA PR1	
	VTHETA PR2	-117.1	-153.4	-173.4	-230.5	-280.3	-310.3	-342.2	-328.4	-314.3		VTHETA PR2	
	U 1	553.32	561.34	567.52	589.58	619.16	648.07	669.80	676.82	684.34		U 1	
	U 2	555.37	551.79	568.19	587.41	613.05	633.68	657.90	664.32	670.72		U 2	
	M 1	0.4763	0.4777	0.4763	0.4757	0.4692	0.4602	0.4540	0.4487	0.4448		M 1	
	M 2	0.5974	0.6265	0.6538	0.5267	0.5829	0.5732	0.5689	0.5646	0.5574		M 2	
M(IPR) 1	0.6955	0.7018	0.7050	0.7196	0.7357	0.7504	0.7622	0.7640	0.7671		M(IPR) 1		
M(IPR) 2	0.4623	0.5262	0.5702	0.5765	0.5601	0.5648	0.5811	0.5610	0.5366		M(IPR) 2		
TURN(PR)	33.094	31.919	31.578	27.478	23.673	22.698	21.523	22.341	22.894		TURN(PR)		
UUBAR	0.3245	0.1941	0.0933	0.0986	0.1746	0.1991	0.2145	0.2784	0.3429		UUBAR		
LOSS PARA	0.1244	0.0746	0.0381	0.0333	0.0678	0.0785	0.0849	0.1115	0.1387		LOSS PARA		
DFAC	0.5460	0.4480	0.3854	0.3755	0.4031	0.4122	0.3987	0.4400	0.4871		DFAC		
EFFP	0.9700	0.7944	0.9072	0.9239	0.7915	0.7514	0.7595	0.7332	0.6840		EFFP		
EFF	0.6628	0.7887	0.9543	0.9215	0.7865	0.7455	0.7542	0.7275	0.6777		EFF		
INCID	-9.658	-9.115	-8.734	-9.082	-10.714	-13.660	-16.737	-17.855	-19.287		INCID		
DEVH	21.578	18.686	16.118	11.350	10.340	10.373	12.640	12.645	13.019		DEVH		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694		P 1		
P 2	17.413	17.420	18.250	17.427	17.375	17.308	17.144	17.035	16.912		P 2		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700		T 1		
T 2	557.600	555.360	555.340	551.600	551.050	552.020	549.680	545.460	550.070		T 2		
STATION 4 STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.87	69.84	49.58	29.48	14.64	9.66	4.76		PCT SPAN	
	DIA	33.210	33.540	33.930	35.315	36.456	37.885	39.345	39.300	39.656		DIA	
	BETA 2	41.000	35.950	33.000	30.920	30.860	30.950	29.900	32.300	35.000		BETA 2	
	BETA 2A	7.000	5.950	4.840	1.500	4.200	7.870	9.350	9.730	9.740		BETA 2A	
	V 2	608.02	697.29	724.91	694.75	648.99	639.45	633.62	629.02	621.78		V 2	
	V 2A	526.34	647.96	653.27	658.10	631.47	644.18	639.42	555.29	544.06		V 2A	
	VZ 2	504.16	505.19	607.95	595.92	550.90	548.12	548.96	531.40	509.07		VZ 2	
	VZ 2A	521.67	644.47	650.94	657.87	629.77	638.11	581.59	547.31	536.22		VZ 2A	
	V-THETA 2	438.26	408.38	394.81	356.94	332.77	328.69	315.67	335.94	336.45		V-THETA 2	
	V-THETA 2A	76.53	67.17	55.12	17.23	60.25	38.21	50.76	93.85	92.04		V-THETA 2A	
	M 2	0.5974	0.6265	0.6538	0.6267	0.5829	0.5732	0.5689	0.5646	0.5574		M 2	
	M 2A	0.5577	0.5791	0.5845	0.5513	0.5601	0.5777	0.5269	0.4950	0.4842		M 2A	
	TURN(PR)	34.000	29.900	28.159	29.415	26.647	23.062	20.531	22.550	25.239		TURN(PR)	
	UUBAR	0.2017	0.1640	0.1513	0.1544	0.1307	0.0840	0.1504	0.2668	0.2544		UUBAR	
	LOSS PARA	0.0825	0.0679	0.0635	0.0671	0.0590	0.0391	0.0717	0.1186	0.1234		LOSS PARA	
	DFAC	0.2858	0.2748	0.2964	0.2657	0.2276	0.1708	0.2392	0.3069	0.3364		DFAC	
	EFFP	-0.1267	-0.1730	-0.1512	-0.5049	-1.6855	9.4137	-1.0050	-0.5207	-0.3891		EFFP	
	INCID	-12.810	-16.020	-17.231	-16.265	-15.453	-17.818	-22.519	-21.640	-20.821		INCID	
	DEVH	23.480	21.340	19.460	14.020	15.870	-20.399	23.470	24.680	25.690		DEVH	
	P 2A	17.630	17.720	17.725	17.810	17.245	17.090	16.550	16.500	16.470		P 2A	
P 2A	16.833	17.057	17.115	17.184	16.775	16.816	16.131	15.814	15.764		P 2A		
T 2	557.000	555.960	555.340	551.600	551.050	552.020	549.680	549.460	550.070		T 2		
T 2A	557.600	555.960	555.340	551.600	551.050	552.020	549.680	549.460	550.070		T 2A		

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 57.22 EQUIVALENT ROTOR SPEED = 3756.00 CORRECTED WEIGHT FLOW = 111.12 PRESSURE RATIO = 1.1485											
INLET											
STATION 0	PCT SPAN	96.93	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.760	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	435.89	435.89	435.39	435.89	435.39	435.89	435.89	435.89	435.89	V 0
	V 1	495.53	498.01	496.12	495.98	499.83	483.15	474.40	473.55	468.06	V 1
	VZ 0	435.89	435.89	435.89	435.89	435.89	435.89	435.89	435.89	435.89	VZ 0
	VZ 1	495.58	498.01	496.12	495.98	499.76	483.08	474.28	473.43	468.04	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	M 0
	M 1	0.4529	0.4552	0.4534	0.4533	0.4484	0.4411	0.4328	0.4320	0.4268	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.137	-0.143	-0.138	-0.138	-0.126	-0.108	-0.088	-0.086	-0.074	DFAC
	EFFP	1.0000	0.9999	0.9999	1.0000	0.9999	1.0000	0.9998	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
STATION 1	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PRI) 1	47.545	47.866	48.286	49.377	51.054	52.762	54.167	54.501	55.108	BETA(PRI) 1
	BETA(PRI) 2	12.660	12.295	12.879	20.848	26.571	29.895	31.212	32.247	37.480	BETA(PRI) 2
	V 1	495.58	498.01	496.12	495.98	499.83	483.15	474.40	473.55	468.06	V 1
	V 2	539.75	550.48	575.91	666.14	625.57	611.24	607.64	590.50	536.17	V 2
	VZ 1	495.58	498.01	496.12	495.98	499.76	483.08	474.28	473.43	468.04	VZ 1
	VZ 2	464.09	511.96	550.40	558.08	526.05	513.35	502.89	472.90	414.01	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	440.40	401.28	392.30	353.53	338.11	331.21	340.48	353.13	340.31	V-THETA 2
	V(PRI) 1	734.5	742.3	745.6	761.8	733.3	798.3	810.3	815.4	818.2	V(PRI) 1
	V(PRI) 2	475.6	533.4	574.6	597.3	583.4	592.5	588.3	559.5	522.0	V(PRI) 2
	VTHETA PRI	-542.6	-550.5	-556.6	-578.2	-607.2	-635.6	-655.9	-663.7	-671.1	VTHETA PRI
	VTHETA PRI 2	-134.2	-149.7	-164.9	-212.5	-263.1	-293.1	-304.7	-298.3	-317.4	VTHETA PRI 2
	U 1	542.53	550.49	550.56	578.19	507.20	635.55	650.86	663.74	671.11	U 1
	U 2	544.64	550.49	557.21	576.06	601.20	626.34	645.19	651.48	657.76	U 2
	M 1	0.4529	0.4552	0.4534	0.4533	0.4484	0.4411	0.4328	0.4320	0.4268	M 1
	M 2	0.5712	0.5818	0.5864	0.5985	0.5905	0.5462	0.5431	0.5268	0.4757	M 2
	M(PRI) 1	0.6716	0.6786	0.6814	0.6962	0.7133	0.7289	0.7393	0.7439	0.7461	M(PRI) 1
	M(PRI) 2	0.4245	0.4771	0.5155	0.5366	0.5272	0.5294	0.5259	0.4991	0.4631	M(PRI) 2
	TURN(PRI)	34.935	31.571	31.607	28.532	24.491	22.881	22.970	22.266	17.648	TURN(PRI)
	UUBAR	0.2881	0.1834	0.0990	0.0660	0.1245	0.1509	0.1940	0.2561	0.3276	UUBAR
	LOSS PARA	0.1107	0.0701	0.0382	0.0257	0.0433	0.0592	0.0774	0.1020	0.1236	LOSS PARA
	DFAC	0.5891	0.4968	0.4414	0.4143	0.4336	0.4444	0.4681	0.5159	0.5578	DFAC
	EFFP	0.7432	0.7935	0.8871	0.9467	0.8744	0.8177	0.8223	0.7665	0.6090	EFFP
	EFF	0.7365	0.7679	0.8837	0.9451	0.8711	0.8150	0.8178	0.7630	0.6014	EFF
	INCID	-8.635	-8.354	-7.994	-8.324	-10.240	-13.092	-16.018	-17.396	-18.744	INCID
	DEVM	21.100	19.795	16.879	11.094	10.159	10.777	11.912	13.177	18.809	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.625	17.770	18.137	18.115	17.675	17.581	17.542	17.361	16.820	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	556.280	555.440	555.090	552.520	550.970	552.250	551.630	551.880	552.650	T 2
STATION 4											
STATION 2	PCT SPAN	54.96	50.34	64.37	69.63	47.55	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	43.500	33.090	35.460	33.080	32.730	32.830	34.100	36.750	39.420	BETA 2
	BETA 2A	4.450	3.330	3.220	1.500	1.750	6.470	5.390	8.680	8.820	BETA 2A
	V 2	539.75	550.48	575.91	666.14	625.57	611.24	607.64	590.50	536.17	V 2
	V 2A	542.70	553.11	557.66	591.78	523.69	572.15	528.97	496.69	491.36	V 2A
	VZ 2	464.09	511.96	550.40	558.08	526.05	513.35	502.89	472.90	414.01	VZ 2
	VZ 2A	541.97	551.88	556.77	591.58	563.43	568.51	523.31	491.06	485.55	VZ 2A
	V-THETA 2	440.40	401.28	392.30	353.53	338.11	331.21	340.48	353.13	340.31	V-THETA 2
	V-THETA 2A	42.11	36.95	31.42	15.49	17.21	64.47	77.18	74.96	75.34	V-THETA 2A
	M 2	0.5712	0.5818	0.5864	0.5985	0.5905	0.5462	0.5431	0.5268	0.4757	M 2
	M 2A	0.4601	0.4901	0.4945	0.5277	0.5021	0.5094	0.4695	0.4344	0.3944	M 2A
	TURN(PRI)	39.050	34.260	32.249	31.575	30.967	26.341	25.669	20.049	30.578	TURN(PRI)
	UUBAR	0.1812	0.1622	0.1427	0.0971	0.0769	0.0769	0.1336	0.2106	0.2175	UUBAR
	LOSS PARA	0.0744	0.0673	0.0600	0.0422	0.0428	0.0359	0.0639	0.1015	0.1058	LOSS PARA
	DFAC	0.4085	0.3832	0.4001	0.3342	0.3318	0.2705	0.3407	0.3907	0.3291	DFAC
	EFFP	0.4940	0.4727	0.3635	0.4610	0.3685	0.1969	0.0490	0.0395	0.0576	EFFP
	INCID	-10.310	-13.760	-14.751	-14.105	-12.583	-15.939	-18.320	-17.191	-16.402	INCID
	DEVM	20.930	19.420	17.850	14.020	13.420	18.990	22.510	23.630	24.770	DEVM
	P 2	17.720	17.760	17.735	17.975	17.530	17.460	17.100	17.000	16.985	P 2
	P 2A	17.005	17.171	17.223	17.610	17.222	17.221	16.733	16.446	16.424	P 2A
	T 2	556.280	555.440	555.090	552.520	550.970	552.250	551.630	551.880	552.650	T 2
	T 2A	556.280	555.440	555.090	552.520	550.970	552.250	551.630	551.880	552.650	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 90.02 EQUIVALENT ROTOR SPEED = 3790.00 CORRECTED WEIGHT FLOW = 107.17 PRESSURE RATIO =1.1829											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	417.62	417.62	417.62	417.62	417.62	417.62	417.62	417.62	417.62	V 0
	V 1	474.12	469.76	468.63	469.76	468.48	460.09	455.32	448.91	449.93	V 1
	VZ 0	417.62	417.62	417.62	417.62	417.62	417.62	417.62	417.62	417.62	VZ 0
	VZ 1	474.12	469.76	468.63	469.76	468.42	460.01	455.21	448.80	449.91	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3794	0.3794	0.3794	0.3794	0.3794	0.3794	0.3794	0.3794	0.3794	M 0
	M 1	0.4320	0.4284	0.4274	0.4284	0.4272	0.4193	0.4148	0.4088	0.4097	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	UFAC	-0.135	-0.125	-0.122	-0.125	-0.122	-0.102	-0.090	-0.075	-0.077	UFAC
	EFFP	1.0000	0.9999	0.9999	0.9999	0.9999	0.9998	1.0000	1.0000	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.090	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	40.000	43.100	46.000	36.370	35.400	35.970	39.500	42.360	45.190	BETA 2
	BETA(PRI) 1	49.111	49.779	50.157	51.160	52.601	54.348	55.519	56.174	56.401	BETA(PRI) 1
	BETA(PRI) 2	11.694	17.158	18.636	21.347	26.583	30.759	32.551	33.495	35.705	BETA(PRI) 2
	V 1	474.12	469.76	468.63	469.76	468.48	460.08	455.32	448.91	449.93	V 1
	V 2	623.50	611.77	623.96	640.47	614.74	591.48	577.10	565.59	546.04	V 2
	VZ 1	474.12	469.76	468.63	469.76	468.42	460.01	455.21	448.80	449.91	VZ 1
	VZ 2	471.11	466.70	477.97	515.64	500.42	478.48	445.10	417.75	384.68	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	483.24	418.01	401.67	379.75	355.99	347.25	366.91	380.93	387.24	V-THETA 2
	V(PRI) 1	724.5	727.5	731.4	749.0	771.3	789.3	804.1	806.3	813.0	V(PRI) 1
	V(PRI) 2	429.5	467.5	504.4	553.7	560.4	557.1	528.3	501.2	474.0	V(PRI) 2
	VTHETA PRI1	-547.5	-555.5	-561.6	-583.4	-612.7	-641.3	-662.8	-669.7	-677.2	VTHETA PRI1
	VTHETA PRI2	-86.3	-137.9	-161.2	-201.5	-250.7	-284.8	-284.1	-276.5	-276.5	VTHETA PRI2
	U 1	547.54	555.46	561.60	583.42	612.70	641.30	662.80	669.75	677.19	U 1
	U 2	549.57	555.92	562.26	581.27	606.64	632.01	651.03	657.38	663.71	U 2
	M 1	0.4320	0.4284	0.4274	0.4284	0.4272	0.4193	0.4148	0.4088	0.4097	M 1
	M 2	0.5548	0.5448	0.5567	0.5730	0.5490	0.5261	0.5125	0.5016	0.4830	M 2
	M(PRI) 1	0.6606	0.6635	0.6670	0.6832	0.7034	0.7193	0.7326	0.7342	0.7404	M(PRI) 1
	M(PRI) 2	0.3791	0.4165	0.4560	0.4954	0.5005	0.4955	0.4692	0.4445	0.4193	M(PRI) 2
	TURN(PRI)	37.417	32.622	31.521	29.817	26.027	23.603	22.981	22.692	20.715	TURN(PRI)
	UUBAR	0.2843	0.2174	0.1575	0.0746	0.0338	0.1265	0.2001	0.2538	0.2992	UUBAR
	LOSS PARA	0.1096	0.0827	0.0601	0.0289	0.0345	0.0492	0.0786	0.0997	0.1155	LOSS PARA
	UFAC	0.6042	0.5803	0.5313	0.4715	0.4730	0.4919	0.5539	0.5968	0.6412	UFAC
	EFFP	0.7114	0.8018	0.8511	0.9490	0.9264	0.8437	0.8180	0.7844	0.7316	EFFP
	EFF	0.7654	0.7963	0.8467	0.9474	0.9263	0.8392	0.8129	0.7826	0.7246	EFF
	INCID	-7.319	-6.441	-6.123	-6.540	-8.692	-11.506	-14.668	-15.723	-17.451	INCID
	DEVM	20.194	20.658	18.836	11.593	10.171	11.841	13.251	14.425	17.035	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.960	17.854	18.005	18.300	18.114	17.955	17.886	17.760	17.610	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	557.860	555.980	555.320	554.130	553.200	555.130	555.500	555.800	556.700	T 2
STATOR 4											
	PCT SPAN	94.96	90.34	84.87	69.68	49.50	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.835	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	40.000	43.100	46.000	36.370	35.400	35.970	39.500	42.360	45.190	BETA 2
	BETA 2A	40.000	32.250	29.980	31.190	31.000	32.230	38.370	40.710	48.880	BETA 2A
	V 2	623.56	611.77	623.96	640.47	614.74	591.48	577.10	565.59	546.04	V 2
	V 2A	469.25	464.71	471.23	537.53	528.95	529.31	494.65	471.30	461.44	V 2A
	VZ 2	417.11	466.70	477.97	515.64	500.42	478.48	445.10	417.75	384.68	VZ 2
	VZ 2A	467.30	463.97	470.59	530.70	528.22	526.13	499.36	465.87	455.91	VZ 2A
	V-THETA 2	463.24	418.01	401.67	379.75	355.99	347.25	366.91	380.93	387.24	V-THETA 2
	V-THETA 2A	36.82	26.35	24.50	29.91	27.60	57.44	72.00	71.37	71.23	V-THETA 2A
	M 2	0.5548	0.5448	0.5567	0.5730	0.5490	0.5261	0.5125	0.5016	0.4830	M 2
	M 2A	0.4122	0.4087	0.4149	0.4763	0.4685	0.4682	0.4302	0.4140	0.4055	M 2A
	TURN(PRI)	43.500	39.850	37.019	33.174	32.336	29.720	31.108	33.628	36.238	TURN(PRI)
	UUBAR	0.1610	0.1650	0.1520	0.0768	0.0690	0.0707	0.1024	0.1785	0.1997	UUBAR
	LOSS PARA	0.0662	0.0685	0.0639	0.0333	0.0312	0.0330	0.0490	0.0861	0.0970	LOSS PARA
	UFAC	0.5293	0.5073	0.4992	0.3987	0.3821	0.3369	0.3919	0.4359	0.4423	UFAC
	EFFP	0.6075	0.6255	0.5890	0.7247	0.7253	0.7156	0.4062	0.3530	0.3449	EFFP
	INCID	-5.310	-3.770	-10.231	-10.816	-10.914	-12.799	-12.722	-11.582	-10.632	INCID
	DEVM	20.980	18.840	17.600	15.710	14.670	18.750	22.490	23.660	24.830	DEVM
	P 2	17.850	17.815	17.830	18.240	18.075	17.980	17.650	17.655	17.600	P 2
	P 2A	17.322	17.283	17.337	17.964	17.846	17.760	17.373	17.170	17.083	P 2A
	T 2	557.860	555.980	555.320	554.130	553.200	555.130	555.500	555.800	556.700	T 2
	T 2A	557.860	555.980	555.320	554.130	553.200	555.130	555.500	555.800	556.700	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 90.36 EQUIVALENT ROTOR SPEED = 3804.00 CORRECTED WEIGHT FLOW = 101.39 PRESSURE RATIO = 1.2098											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.98	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	391.59	391.59	391.59	391.59	391.59	391.59	391.59	391.59	391.59	V 0
	V 1	438.86	436.61	436.61	442.87	442.13	432.09	421.23	415.17	409.18	V 1
	VZ 0	391.59	391.59	391.59	391.59	391.59	391.59	391.59	391.59	391.59	VZ 0
	VZ 1	438.86	436.61	436.61	442.87	442.13	432.09	421.23	415.17	409.18	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3552	0.3552	0.3552	0.3552	0.3552	0.3552	0.3552	0.3552	0.3552	M 0
	M 1	0.3993	0.3972	0.3967	0.4031	0.4024	0.3930	0.3828	0.3771	0.3715	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.121	-0.115	-0.113	-0.131	-0.129	-0.103	-0.076	-0.060	-0.045	DFAC
	EFFP	1.0001	0.9999	1.0000	1.0000	1.0000	0.9998	1.0000	0.9999	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	52.576	49.450	46.100	42.220	38.910	38.870	43.920	46.700	49.030	BETA 2
	BETA(PR) 1	51.391	51.935	52.277	52.300	54.289	56.131	57.664	58.367	58.953	BETA(PR) 1
	BETA(PR) 2	5.174	17.366	20.599	21.798	25.671	30.061	32.166	33.658	35.774	BETA(PR) 2
	V 1	438.86	436.61	436.61	442.87	442.13	432.09	421.23	415.17	409.18	V 1
	V 2	618.22	579.33	575.17	613.49	667.80	588.61	569.91	557.27	542.89	V 2
	VZ 1	438.86	436.61	436.61	442.87	442.13	432.09	421.23	415.17	409.18	VZ 1
	VZ 2	375.75	376.63	398.82	468.39	472.33	458.08	410.35	382.05	355.83	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	490.92	440.20	414.43	396.10	381.64	369.23	395.17	405.42	409.77	V-THETA 2
	V(PR) 1	703.3	708.1	712.6	734.2	757.4	775.3	787.4	790.1	793.4	V(PR) 1
	V(PR) 2	380.0	394.6	426.1	504.5	529.6	529.6	465.1	459.2	438.8	V(PR) 2
	VTHETA PR1	-557.5	-557.5	-563.7	-585.6	-615.0	-643.7	-685.3	-672.2	-679.7	VTHETA PR1
	VTHETA PR2	-117.8	-117.8	-149.9	-187.3	-227.2	-265.1	-258.3	-254.4	-256.4	VTHETA PR2
	U 1	549.50	557.53	563.67	585.53	614.96	643.67	665.25	672.22	679.69	U 1
	U 2	551.60	557.98	564.33	583.42	608.88	634.35	653.43	659.81	666.16	U 2
	M 1	0.3993	0.3972	0.3967	0.4031	0.4024	0.3930	0.3828	0.3771	0.3715	M 1
	M 2	0.3493	0.3513	0.3503	0.3468	0.3411	0.3225	0.3042	0.2919	0.2780	M 2
	M(PR) 1	0.6399	0.6442	0.6483	0.6683	0.6893	0.7051	0.7156	0.7177	0.7204	M(PR) 1
	M(PR) 2	0.3382	0.3300	0.3780	0.4497	0.4672	0.4701	0.4292	0.4054	0.3864	M(PR) 2
	TURN(PR)	42.217	34.559	31.678	31.106	28.626	26.084	25.492	24.662	23.198	TURN(PR)
	UUBAR	0.2760	0.2597	0.2119	0.0923	0.0736	0.0868	0.1848	0.2337	0.2687	UUBAR
	LOSS PARA	0.1061	0.0987	0.0799	0.0357	0.0288	0.0340	0.0729	0.0916	0.1037	LOSS PARA
	DFAC	0.7341	0.6904	0.6365	0.5370	0.5250	0.5316	0.6158	0.6581	0.6900	DFAC
	EFFP	0.6536	0.6050	0.5179	0.3519	0.3555	0.3170	0.3581	0.3827	0.3769	EFFP
	EFF	0.8489	0.7993	0.8127	0.9503	0.9340	0.9143	0.8536	0.8068	0.7587	EFF
	INCID	-5.339	-4.285	-4.093	-4.300	-7.005	-9.723	-12.522	-13.590	-14.898	INCID
	DEVM	17.674	20.866	20.799	12.044	9.259	10.943	12.886	14.588	17.103	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	15.375	17.960	17.947	18.428	18.523	18.471	18.375	18.267	18.157	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.000	557.000	556.230	555.180	555.890	557.020	558.780	559.950	561.310	T 2
STATION 4											
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.87	69.68	49.53	29.43	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.013	36.450	37.865	38.945	39.300	39.650	DIA
	BETA 2	52.576	49.450	46.100	42.220	38.910	38.870	43.920	46.700	49.030	BETA 2
	BETA 2A	3.510	3.180	2.490	3.756	3.320	6.220	9.500	10.080	10.080	BETA 2A
	V 2	618.22	579.33	575.17	613.49	667.80	588.61	569.91	557.27	542.89	V 2
	V 2A	410.75	408.22	411.20	473.41	504.55	502.83	469.40	456.26	450.98	V 2A
	VZ 2	375.75	376.63	398.82	468.39	472.33	458.08	410.35	382.05	355.83	VZ 2
	VZ 2A	410.01	407.59	410.64	472.40	503.53	499.87	463.82	450.01	444.02	VZ 2A
	V-THETA 2	490.92	440.20	414.43	396.10	381.64	369.23	395.17	405.42	409.77	V-THETA 2
	V-THETA 2A	25.15	22.64	21.45	30.76	33.62	54.46	72.14	75.31	78.93	V-THETA 2A
	M 2	0.3493	0.3513	0.3503	0.3468	0.3411	0.3225	0.3042	0.2919	0.2780	M 2
	M 2A	0.3590	0.3573	0.3603	0.4170	0.4452	0.4431	0.4119	0.3996	0.3943	M 2A
	TURN(PR)	49.060	43.109	36.464	35.076	32.630	32.630	35.058	37.178	38.928	TURN(PR)
	UUBAR	0.1512	0.1478	0.1376	0.0853	0.0435	0.0794	0.1114	0.1629	0.1975	UUBAR
	LOSS PARA	0.0622	0.0614	0.0578	0.0369	0.0196	0.0371	0.0532	0.0784	0.0957	LOSS PARA
	DFAC	0.6462	0.5958	0.5731	0.4876	0.4297	0.3987	0.4525	0.4726	0.4719	DFAC
	EFFP	0.6124	0.7368	0.7329	0.7456	0.6003	0.7438	0.5092	0.4889	0.4362	EFFP
	INCID	-1.240	-2.420	-4.131	-6.966	-7.404	-9.900	-6.502	-7.242	-6.792	INCID
	DEVM	19.990	13.770	17.610	16.270	15.490	18.740	22.960	24.430	26.030	DEVM
	P 2	18.030	17.970	17.930	18.320	18.440	18.480	18.174	18.200	18.185	P 2
	P 2A	17.567	17.531	17.530	18.040	18.298	18.230	17.870	17.757	17.660	P 2A
	T 2	559.000	557.000	556.230	555.180	555.890	557.020	558.780	559.950	561.310	T 2
	T 2A	559.000	557.000	556.230	555.180	555.890	557.020	558.780	559.950	561.310	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 89.95 EQUIVALENT ROTOR SPEED = 3787.00 CORRECTED WEIGHT FLOW = 95.80 PRESSURE RATIO = 1.2229											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	85.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	367.14	367.14	367.14	367.14	367.14	367.14	367.14	367.14	367.14	V 0
	V 1	404.40	400.86	408.55	409.81	411.55	403.92	396.82	391.90	384.77	V 1
	VZ 0	367.14	367.14	367.14	367.14	367.14	367.14	367.14	367.14	367.14	VZ 0
	VZ 1	404.40	400.86	408.55	409.81	411.55	403.86	396.72	391.80	384.75	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3325	0.3325	0.3325	0.3325	0.3325	0.3325	0.3325	0.3325	0.3325	M 0
	M 1	0.3671	0.3638	0.3710	0.3721	0.3738	0.3666	0.3600	0.3555	0.3488	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.101	-0.092	-0.113	-0.116	-0.121	-0.100	-0.081	-0.067	-0.048	DFAC
	EFFP	0.9999	0.9999	1.0001	1.0000	0.9999	0.9998	1.0000	0.9999	0.9997	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.253	33.617	34.030	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	50.150	53.700	50.660	43.420	41.200	40.320	45.570	48.540	50.870	BETA 2
	BETA(PR) 1	33.530	54.162	53.943	54.694	56.093	57.779	59.077	59.653	60.377	BETA(PR) 1
	BETA(PR) 2	34.660	15.759	13.931	23.484	25.877	29.391	32.509	33.503	35.019	BETA(PR) 2
	V 1	404.40	400.86	408.55	409.81	411.55	403.92	396.82	391.90	384.77	V 1
	V 2	621.38	570.90	580.20	579.14	592.32	585.00	560.89	553.24	544.70	V 2
	VZ 1	404.40	400.86	408.55	409.81	411.55	403.86	396.72	391.80	384.75	VZ 1
	VZ 2	546.12	337.98	355.12	420.61	445.54	442.53	392.49	366.18	343.64	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	316.06	460.11	433.25	398.03	390.04	382.25	400.38	414.47	422.40	V-THETA 2
	V(PR) 1	680.3	684.7	694.1	712.6	737.7	757.5	772.1	775.5	778.4	V(PR) 1
	V(PR) 2	351.2	351.2	377.7	458.7	495.4	508.2	495.7	439.4	419.8	V(PR) 2
	VTHETA PR1	-547.1	-555.0	-561.2	-583.0	-612.2	-640.8	-662.3	-669.2	-676.7	VTHETA PR1
	VTHETA PR2	-33.1	-95.4	-126.6	-132.8	-210.1	-249.3	-250.1	-242.4	-240.8	VTHETA PR2
	U 1	547.11	555.04	561.15	582.96	612.21	640.80	662.28	669.22	676.65	U 1
	U 2	545.14	555.48	561.31	580.81	603.16	631.51	650.51	656.86	663.19	U 2
	M 1	0.3671	0.3638	0.3710	0.3721	0.3738	0.3666	0.3600	0.3555	0.3488	M 1
	M 2	0.5520	0.5055	0.4959	0.5143	0.5263	0.5184	0.4951	0.4875	0.4788	M 2
	M(PR) 1	0.6176	0.6213	0.6303	0.6471	0.6679	0.6876	0.7005	0.7034	0.7057	M(PR) 1
	M(PR) 2	0.3085	0.3110	0.3344	0.4073	0.4401	0.4503	0.4111	0.3872	0.3690	M(PR) 2
	TURN(PR)	46.075	38.403	34.043	31.409	30.224	28.401	26.582	26.164	25.378	TURN(PR)
	UUBAR	0.2717	0.2753	0.2817	0.1182	0.0638	0.0594	0.1540	0.1990	0.2294	UUBAR
	LOSS PARA	0.1065	0.1055	0.0916	0.0451	0.0249	0.0234	0.0606	0.0781	0.0893	LOSS PARA
	DFAC	0.7381	0.7548	0.7974	0.5885	0.5571	0.5559	0.6365	0.6628	0.7161	DFAC
	EFFP	0.9153	0.8278	0.3197	0.9166	0.9740	0.9480	0.8772	0.8481	0.8100	EFFP
	EFF	0.9123	0.8226	0.3144	0.9139	0.9731	0.9461	0.8730	0.8429	0.8036	EFF
	INCID	-2.900	-2.058	-2.337	-2.807	-3.201	-8.375	-11.109	-12.244	-13.474	INCID
	DEVM	15.960	19.259	20.100	13.735	9.466	10.274	13.209	14.432	16.348	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.731	18.153	18.041	18.332	18.603	18.771	18.620	18.593	18.565	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	559.530	557.960	557.160	555.730	556.430	558.430	560.290	561.500	563.300	T 2
STATOR 4											
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.37	69.68	49.50	29.49	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
	BETA 2	50.150	53.700	50.660	43.420	41.200	40.620	45.570	48.540	50.870	BETA 2
	BETA 2A	2.990	2.680	2.350	4.670	5.220	6.670	8.910	9.770	10.470	BETA 2A
	V 2	621.38	570.90	580.20	579.14	592.32	585.00	560.89	553.24	544.70	V 2
	V 2A	370.19	371.86	377.08	430.55	475.77	476.51	443.96	444.00	426.73	V 2A
	VZ 2	346.12	337.98	355.12	420.61	445.54	442.53	392.49	366.18	343.64	VZ 2
	VZ 2A	375.60	371.40	377.56	429.12	473.00	473.28	438.60	427.71	419.62	VZ 2A
	V-THETA 2	316.06	460.11	433.25	398.03	390.04	382.25	400.38	414.47	422.40	V-THETA 2
	V-THETA 2A	19.62	17.39	15.49	35.05	43.24	55.35	68.76	73.65	77.55	V-THETA 2A
	M 2	0.5520	0.5055	0.4959	0.5143	0.5263	0.5184	0.4951	0.4875	0.4788	M 2
	M 2A	0.3279	0.3245	0.3301	0.3779	0.4186	0.4185	0.3884	0.3790	0.3718	M 2A
	TURN(PR)	53.160	51.020	48.309	38.744	35.965	34.130	36.638	38.748	40.378	TURN(PR)
	UUBAR	0.1592	0.1327	0.1389	0.0886	0.0377	0.0828	0.1386	0.1722	0.2003	UUBAR
	LOSS PARA	0.0655	0.0552	0.0585	0.0384	0.0169	0.0387	0.0662	0.0828	0.0969	LOSS PARA
	DFAC	0.7240	0.6719	0.6399	0.5296	0.4627	0.4496	0.4964	0.5135	0.5309	DFAC
	EFFP	0.5772	0.7243	0.7884	0.8248	0.8371	0.7052	0.5444	0.5019	0.4182	EFFP
	INCID	2.340	1.830	0.429	-3.766	-5.114	-7.950	-6.352	-5.402	-4.952	INCID
	DEVM	19.470	18.270	16.970	17.190	16.890	19.190	23.030	24.720	26.420	DEVM
	P 2	18.180	18.020	18.085	18.340	18.580	18.680	18.460	18.475	18.425	P 2
	P 2A	17.710	17.652	17.691	18.071	18.462	18.427	18.089	18.015	17.913	P 2A
	T 2	559.530	557.960	557.160	555.730	556.430	558.430	560.290	561.500	563.300	T 2
	T 2A	559.530	557.960	557.160	555.730	556.430	558.430	560.290	561.500	563.300	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 89.50 EQUIVALENT ROTOR SPEED = 3768.00 CORRECTED WEIGHT FLOW = 89.01 PRESSURE RATIO = 1.2236											
INLET											
STATION 1	PCT SPAN	90.90	91.17	60.75	71.00	49.86	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	338.26	338.26	338.26	338.26	338.26	338.26	338.26	338.26	338.26	V 0
	V 1	371.19	370.84	370.32	375.31	372.90	366.67	357.68	352.65	347.19	V 1
	VZ 0	338.26	338.26	338.26	338.26	338.26	338.26	338.26	338.26	338.26	VZ 0
	VZ 1	371.19	370.84	370.32	375.30	372.89	366.61	357.59	352.56	347.17	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3058	0.3058	0.3058	0.3058	0.3058	0.3058	0.3058	0.3058	0.3058	M 0
	M 1	0.3362	0.3359	0.3354	0.3400	0.3378	0.3320	0.3237	0.3191	0.3140	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.067	-0.066	-0.065	-0.110	-0.102	-0.084	-0.057	-0.043	-0.026	DFAC
	EFFP	0.9999	0.9999	0.9999	1.0001	0.9997	0.9997	0.9998	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
STATION 2	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	PCT SPAN	90.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.253	33.617	34.000	35.190	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	59.350	54.800	54.200	46.340	42.890	43.300	44.950	52.500	54.550	BETA 2
	BETA(PR) 1	55.711	50.118	50.445	57.396	58.529	60.101	61.513	62.100	62.722	BETA(PR) 1
	BETA(PR) 2	3.313	17.745	19.379	23.408	27.090	29.829	34.295	35.064	36.793	BETA(PR) 2
	V 1	371.19	370.84	370.32	375.31	372.90	366.67	357.68	352.65	347.19	V 1
	V 2	371.19	370.84	370.32	375.31	372.90	366.67	357.68	352.65	347.19	V 2
	VZ 1	371.19	370.84	370.32	375.30	372.89	366.61	357.59	352.56	347.17	VZ 1
	VZ 2	371.19	370.84	370.32	375.30	372.89	366.61	357.59	352.56	347.17	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	528.26	462.97	443.37	408.96	388.95	390.65	411.40	424.79	430.58	V-THETA 2
	V(PR) 1	650.4	665.2	670.0	693.9	714.2	735.5	749.8	753.5	757.5	V(PR) 1
	V(PR) 2	313.6	294.4	346.0	425.3	470.5	478.1	418.8	358.4	383.0	V(PR) 2
	VTHETA PR1	-544.4	-552.3	-558.3	-580.0	-604.1	-637.6	-659.0	-665.9	-673.3	VTHETA PR1
	VTHETA PR2	-13.1	-59.7	-115.6	-183.9	-214.2	-237.7	-235.9	-228.8	-229.3	VTHETA PR2
STATION 2A	U 1	544.50	552.25	558.34	580.04	609.14	637.58	658.95	665.86	673.26	U 1
	U 2	544.50	552.25	558.34	577.90	603.12	628.34	647.25	653.56	659.86	U 2
	M 1	0.3362	0.3359	0.3354	0.3400	0.3378	0.3320	0.3237	0.3191	0.3140	M 1
	M 2	0.3466	0.4777	0.4832	0.5011	0.5067	0.5042	0.4734	0.4711	0.4642	M 2
	M(PR) 1	0.5966	0.6025	0.6068	0.6260	0.6470	0.6660	0.6786	0.6818	0.6852	M(PR) 1
	M(PR) 2	0.2761	0.2598	0.3006	0.3770	0.4170	0.4230	0.3688	0.3505	0.3363	M(PR) 2
	TURN(PR)	52.394	38.373	30.507	33.692	31.448	30.265	27.233	27.051	25.949	TURN(PR)
	UUBAR	0.2796	0.3094	0.2471	0.1284	0.0670	0.0800	0.2040	0.2411	0.2656	UUBAR
	LOSS PARA	0.1099	0.1174	0.0936	0.0491	0.0259	0.0314	0.0786	0.0929	0.1011	LOSS PARA
	DFAC	0.5403	0.8347	0.7592	0.6304	0.5707	0.5687	0.6950	0.7342	0.7619	DFAC
	EFFP	0.9233	0.7875	0.8416	0.9234	0.9525	0.9422	0.9463	0.9304	0.8019	EFFP
	EFF	0.9211	0.7914	0.8368	0.9209	0.9509	0.9401	0.9411	0.9248	0.7953	EFF
	INCID	0.0719	-0.102	0.165	-0.605	-2.704	-5.753	-9.673	-9.736	-11.129	INCID
	DEVH	11.613	21.245	20.078	13.055	10.676	10.712	14.974	15.993	18.121	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.670	18.075	18.171	18.417	18.633	18.705	18.515	18.525	18.508	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	500.420	558.650	557.480	556.240	557.000	556.630	560.800	561.780	563.150	T 2
STATION 2A	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.985	38.945	39.500	39.650	DIA
	BETA 2	59.350	54.800	54.200	46.340	42.890	43.300	44.950	52.500	54.550	BETA 2
	BETA 2A	3.500	2.630	2.450	3.300	6.400	7.400	8.030	8.530	8.650	BETA 2A
	V 2	371.19	370.84	370.32	375.31	372.90	366.67	357.68	352.65	347.19	V 2
	V 2A	339.70	334.83	348.35	383.92	439.94	432.34	409.55	397.59	379.84	V 2A
	VZ 2	371.19	370.84	370.32	375.31	372.90	366.67	357.68	352.65	347.19	VZ 2
	VZ 2A	339.70	334.83	348.35	383.92	439.94	432.34	409.55	397.59	379.84	VZ 2A
	V-THETA 2	528.26	462.97	443.37	408.96	388.95	390.65	411.40	424.79	430.58	V-THETA 2
	V-THETA 2A	17.70	15.36	14.49	35.86	49.50	55.62	57.21	59.32	57.13	V-THETA 2A
	M 2	0.3466	0.4777	0.4832	0.5011	0.5067	0.5042	0.4734	0.4711	0.4642	M 2
	M 2A	0.2953	0.2914	0.3037	0.3358	0.3859	0.3785	0.3573	0.3403	0.3301	M 2A
	TURN(PR)	50.350	50.170	51.749	40.374	36.415	35.880	41.898	43.659	45.879	TURN(PR)
	UUBAR	0.1489	0.1457	0.1426	0.0961	0.0453	0.1153	0.1420	0.1555	0.1754	UUBAR
	LOSS PARA	0.0613	0.0606	0.0600	0.0416	0.0204	0.0538	0.0679	0.0750	0.0853	LOSS PARA
	DFAC	0.7846	0.7261	0.6432	0.6084	0.5502	0.5193	0.5589	0.5930	0.6320	DFAC
	EFFP	0.5727	0.7908	0.7711	0.7500	0.6400	0.6909	0.6761	0.6120	0.5399	EFFP
	INCID	5.540	6.930	3.509	-0.346	-5.425	-5.476	-2.472	-1.441	-1.271	INCID
	DEVH	19.480	18.220	17.076	17.830	18.150	19.920	22.150	23.530	24.600	DEVH
	P 2A	18.175	18.095	18.158	18.270	18.550	18.670	18.500	18.430	18.315	P 2A
	T 2A	500.420	558.650	557.480	556.240	557.000	556.630	560.800	561.780	563.150	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.71 EQUIVALENT ROTOR SPEED = 4198.00 CORRECTED WEIGHT FLOW = 119.97 PRESSURE RATIO = 1.1295											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	478.41	478.41	478.41	478.41	473.41	478.41	478.41	478.41	478.41	V 0
	V 1	550.86	543.15	543.15	546.29	535.55	532.36	520.76	518.15	516.85	V 1
	VZ 0	478.41	478.41	478.41	478.41	478.41	478.41	478.41	478.41	478.41	VZ 0
	VZ 1	550.86	543.15	543.15	546.28	535.47	532.28	520.64	518.02	516.82	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4366	0.4366	0.4366	0.4366	0.4366	0.4366	0.4366	0.4366	0.4366	M 0
	M 1	0.4985	0.4985	0.4985	0.5015	0.4912	0.4881	0.4770	0.4745	0.4732	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.151	-0.135	-0.135	-0.142	-0.119	-0.113	-0.089	-0.083	-0.080	DFAC
	EFFP	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PR) 1	47.782	48.563	48.874	49.791	51.726	53.155	54.057	55.074	55.433	BETA(PR) 1
	BETA(PR) 2	14.993	16.892	16.896	22.547	29.850	32.112	32.080	30.568	30.640	BETA(PR) 2
	V 1	550.86	543.15	543.15	546.29	535.55	532.36	520.76	518.15	516.85	V 1
	V 2	710.17	736.82	767.92	737.50	668.22	665.17	686.87	699.01	686.78	V 2
	VZ 1	550.86	543.15	543.15	546.28	535.47	532.28	520.64	518.02	516.82	VZ 1
	VZ 2	536.78	597.71	636.03	630.74	573.16	569.86	589.66	584.26	551.80	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	434.57	434.26	429.41	381.99	343.03	342.41	351.51	383.05	408.31	V-THETA 2
	V(PR) 1	819.2	820.7	825.8	846.2	864.5	887.7	900.1	904.9	910.9	V(PR) 1
	V(PR) 2	555.7	624.7	665.4	683.1	681.1	673.1	696.3	678.9	661.7	V(PR) 2
	VTHETA PR1	-668.5	-615.3	-622.1	-646.2	-678.7	-710.3	-734.2	-741.8	-750.1	VTHETA PR1
	VTHETA PR2	-143.8	-181.5	-193.4	-261.9	-328.9	-357.6	-369.6	-345.1	-326.9	VTHETA PR2
	U 1	655.48	615.28	622.05	646.23	676.65	710.34	734.15	741.85	750.09	U 1
	U 2	668.74	615.77	622.79	643.85	671.95	700.05	721.11	728.15	735.16	U 2
	M 1	0.5057	0.4985	0.4985	0.5015	0.4912	0.4881	0.4770	0.4745	0.4732	M 1
	M 2	0.6334	0.6622	0.6916	0.6641	0.5989	0.5950	0.6170	0.6267	0.6162	M 2
	M(PR) 1	0.7523	0.7532	0.7579	0.7768	0.7928	0.8139	0.8244	0.8286	0.8340	M(PR) 1
	M(PR) 2	0.4956	0.5559	0.5993	0.6151	0.5925	0.6021	0.6254	0.6107	0.5757	M(PR) 2
	TURN(PR)	32.769	31.671	31.978	27.248	21.634	21.057	22.591	24.518	24.810	TURN(PR)
	UUBAR	0.3293	0.2118	0.1330	0.1174	0.2074	0.2252	0.2235	0.2877	0.3445	UUBAR
	LOSS PARA	0.1254	0.0807	0.0513	0.0452	0.0782	0.0864	0.0883	0.1167	0.1409	LOSS PARA
	DFAC	0.5455	0.4497	0.4038	0.3894	0.4069	0.4151	0.4069	0.4472	0.5065	DFAC
	EFFP	0.6512	0.7577	0.8714	0.8745	0.7415	0.7040	0.7960	0.7960	0.7605	EFFP
	EFF	0.6414	0.7501	0.8669	0.8704	0.7349	0.6971	0.7904	0.7904	0.7541	EFF
	INCID	-0.668	-7.657	-7.406	-7.909	-9.563	-12.700	-15.529	-16.823	-18.419	INCID
	DEVM	23.493	20.392	17.096	12.793	13.438	12.994	12.780	11.499	11.971	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.378	18.300	18.790	18.430	17.530	17.520	17.750	17.750	17.700	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	553.200	553.450	552.150	558.550	555.200	557.050	555.100	555.100	556.270	T 2
STATION 4											
	PCT SPAN	94.96	90.34	84.57	69.65	49.50	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.835	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA 2A	7.400	6.430	5.450	2.900	4.100	7.050	9.800	10.350	10.100	BETA 2A
	V 2	710.17	736.82	767.92	737.50	668.22	665.17	686.87	699.01	686.78	V 2
	V 2A	673.40	693.99	702.01	703.68	655.15	671.75	634.75	597.29	590.97	V 2A
	VZ 2	536.78	597.71	636.03	630.74	573.16	569.86	589.66	584.26	551.80	VZ 2
	VZ 2A	667.75	689.62	696.83	702.95	653.47	665.77	625.49	587.57	531.81	VZ 2A
	V-THETA 2	464.97	434.26	429.41	381.99	343.03	342.41	351.51	383.05	408.31	V-THETA 2
	V-THETA 2A	36.75	77.72	66.07	31.92	46.34	89.42	108.04	107.31	103.64	V-THETA 2A
	M 2	0.6334	0.6622	0.6916	0.6641	0.5989	0.5950	0.6170	0.6267	0.6162	M 2
	M 2A	0.5932	0.6189	0.6274	0.6311	0.5864	0.6013	0.5670	0.5316	0.5251	M 2A
	TURN(PR)	33.500	29.570	28.549	28.595	26.787	23.332	20.981	22.860	26.379	TURN(PR)
	UUBAR	0.2376	0.1716	0.1594	0.1558	0.1428	0.1088	0.1750	0.2686	0.2816	UUBAR
	LOSS PARA	0.0971	0.0710	0.0668	0.0677	0.0615	0.0507	0.0834	0.1288	0.1364	LOSS PARA
	DFAC	0.2714	0.2619	0.2850	0.2326	0.2204	0.1103	0.2490	0.3399	0.3601	DFAC
	EFFP	-0.4474	-0.3905	-0.2774	-0.3434	-2.9996	7.7237	-1.0273	-0.3938	-0.5387	EFFP
	INCID	-12.910	-15.870	-16.231	-15.995	-15.413	-17.768	-21.619	-20.690	-19.321	INCID
	DEVM	23.880	22.020	20.070	15.120	15.770	20.170	23.920	25.300	26.050	DEVM
	P 2	18.219	18.190	18.250	18.220	17.380	17.335	16.980	16.870	16.810	P 2
	P 2A	17.131	17.408	17.515	17.517	16.362	16.949	16.411	16.013	15.934	P 2A
	T 2	555.200	553.450	552.150	558.550	555.200	557.050	555.100	555.100	556.270	T 2
	T 2A	565.200	563.450	562.150	558.550	555.200	557.050	555.100	555.100	556.270	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.07 EQUIVALENT ROTOR SPEED = 4171.00 CORRECTED WEIGHT FLOW = 117.30 PRESSURE RATIO = 1.1998											
INLET											
STATION 0	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 1	V 0	465.34	465.34	465.34	465.34	465.34	465.34	465.34	465.34	465.34	V 0
	V 1	527.61	522.32	521.41	532.49	520.37	509.62	502.57	499.62	498.28	V 1
STATION 1	VZ 0	465.34	465.34	465.34	465.34	465.34	465.34	465.34	465.34	465.34	VZ 0
	VZ 1	527.61	522.32	521.41	532.48	520.30	509.54	502.45	499.49	498.25	VZ 1
STATION 1	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
STATION 1	M 0	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	0.4243	M 0
	M 1	0.4835	0.4785	0.4776	0.4882	0.4706	0.4663	0.4596	0.4568	0.4555	M 1
STATION 1	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
STATION 1	DFAC	-0.134	-0.122	-0.120	-0.144	-0.118	-0.095	-0.080	-0.074	-0.071	DFAC
	EFFP	0.9999	1.0000	0.9999	1.0000	1.0000	0.9999	0.9999	1.0001	1.0000	EFFP
STATION 1	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
STATION 1	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
STATION 1	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATOR 4											
STATION 1	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	45.650	41.450	38.100	35.500	34.690	35.120	38.000	40.050	42.560	BETA 2
STATION 2	BETA(PR) 1	45.795	49.485	49.868	50.331	52.345	54.172	55.440	55.876	56.235	BETA(PR) 1
	BETA(PR) 2	13.580	17.471	18.424	21.626	27.322	30.681	31.903	33.220	38.106	BETA(PR) 2
STATION 2	V 1	527.61	522.32	521.41	532.49	520.37	509.62	502.57	499.62	498.28	V 1
	V 2	684.24	681.39	703.82	707.66	672.19	656.13	647.99	632.26	582.72	V 2
STATION 2	VZ 1	527.61	522.32	521.41	532.46	520.30	509.54	502.45	499.49	498.25	VZ 1
	VZ 2	478.31	510.73	553.86	575.61	552.78	536.42	510.38	483.77	429.03	VZ 2
STATION 2	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	489.29	451.06	434.28	411.47	382.05	377.28	398.75	406.65	393.96	V-THETA 2
STATION 2	V(PR) 1	900.9	804.1	808.6	834.1	851.7	870.5	885.8	890.5	896.5	V(PR) 1
	V(PR) 2	492.1	335.4	503.8	519.3	622.4	624.1	601.5	578.6	545.5	V(PR) 2
STATION 2	VTHETA PR1	-602.5	-611.3	-618.1	-642.1	-674.3	-705.8	-729.4	-737.1	-745.3	VTHETA PR1
	VTHETA PR2	-110.5	-100.3	-124.5	-228.2	-265.6	-318.3	-317.7	-310.8	-336.5	VTHETA PR2
STATION 2	U 1	602.50	611.32	618.05	642.08	674.29	705.77	729.43	737.08	745.27	U 1
	U 2	604.82	611.81	618.78	639.71	667.63	695.54	716.47	723.46	730.43	U 2
STATION 2	M 1	0.4835	0.4785	0.4776	0.4882	0.4706	0.4663	0.4596	0.4568	0.4555	M 1
	M 2	0.6085	0.6068	0.6290	0.6337	0.6002	0.5837	0.5757	0.5607	0.5142	M 2
STATION 2	M(PR) 1	0.7340	0.7365	0.7406	0.7646	0.7801	0.7966	0.8100	0.8141	0.8195	M(PR) 1
	M(PR) 2	0.4375	0.4768	0.5217	0.5546	0.5558	0.5552	0.5344	0.5131	0.4814	M(PR) 2
STATION 2	TURN(PR)	35.215	32.018	31.424	28.767	25.031	23.505	23.550	22.669	18.150	TURN(PR)
	UUBAR	0.2336	0.2222	0.1413	0.0929	0.1219	0.1539	0.2199	0.2707	0.3255	UUBAR
STATION 2	LOSS PARA	0.1065	0.0344	0.0340	0.0360	0.0471	0.0599	0.0870	0.1066	0.1218	LOSS PARA
	DFAC	0.6200	0.5576	0.4945	0.4026	0.4632	0.4779	0.5290	0.5633	0.5984	DFAC
STATION 2	EFFP	0.7500	0.7851	0.8685	0.9322	0.8779	0.8195	0.8024	0.7571	0.6465	EFFP
	EFF	0.7405	0.7780	0.8639	0.9297	0.8758	0.8136	0.7960	0.7496	0.6371	EFF
STATION 2	INCID	-7.635	-6.731	-6.432	-7.370	-8.948	-11.682	-14.746	-16.021	-17.616	INCID
	DEVH	-22.050	-20.971	-18.624	-11.874	-10.910	-11.563	-12.603	-14.150	-19.434	DEVH
STATION 2	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	14.475	14.450	14.785	18.338	18.570	18.468	18.425	18.210	17.670	P 2
STATION 2	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	562.550	563.500	562.350	560.650	559.670	561.730	562.220	562.440	562.750	T 2
STATOR 4											
STATION 2	PCT SPAN	94.90	90.34	84.87	69.05	49.50	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2	BETA 2	45.650	41.450	38.100	35.500	34.690	35.120	38.000	40.050	42.560	BETA 2
	BETA 2A	5.340	4.530	3.830	3.140	3.070	6.830	3.550	8.230	8.980	BETA 2A
STATION 2	V 2	684.24	681.39	703.82	707.66	672.19	656.13	647.99	632.26	582.72	V 2
	V 2A	559.19	542.64	543.55	600.19	563.21	590.27	548.66	522.28	514.81	V 2A
STATION 2	VZ 2	478.31	510.73	553.86	575.61	552.78	536.42	510.38	483.77	429.03	VZ 2
	VZ 2A	370.81	540.94	542.31	599.26	582.38	586.08	542.56	516.84	508.50	VZ 2A
STATION 2	V-THETA 2	489.29	451.06	434.28	411.47	382.05	377.28	398.75	406.65	393.96	V-THETA 2
	V-THETA 2A	50.65	42.66	36.78	32.08	31.25	10.20	81.57	75.21	80.36	V-THETA 2A
STATION 2	M 2	0.6085	0.6068	0.6290	0.6337	0.6002	0.5837	0.5757	0.5607	0.5142	M 2
	M 2A	0.4728	0.4768	0.4762	0.5315	0.5162	0.5217	0.4829	0.4586	0.4517	M 2A
STATION 2	TURN(PR)	40.260	35.920	34.219	32.414	31.566	28.271	29.429	31.748	33.558	TURN(PR)
	UUBAR	0.1772	0.1692	0.1571	0.0878	0.0814	0.0663	0.1086	0.1996	0.2048	UUBAR
STATION 2	LOSS PARA	0.0728	0.0702	0.0660	0.0309	0.0368	0.0310	0.0519	0.0963	0.0995	LOSS PARA
	DFAC	0.4763	0.4534	0.4659	0.3849	0.3694	0.3219	0.3918	0.4318	0.3838	DFAC
STATION 2	EFFP	0.5656	0.5866	0.4864	0.5926	0.5734	0.5325	0.2794	0.2885	0.3267	EFFP
	INCID	-8.160	-10.420	-12.131	-11.020	-11.664	-13.649	-14.421	-13.892	-13.262	INCID
STATION 2	DEVH	21.870	20.120	13.500	15.660	14.740	19.350	22.670	23.250	24.930	DEVH
	P 2	18.430	18.440	18.380	18.730	18.400	18.325	17.930	17.960	17.825	P 2
STATION 2	P 2A	17.714	17.754	17.753	18.354	18.087	18.062	17.581	17.311	17.196	P 2A
	T 2	565.550	563.500	562.350	560.650	559.670	561.730	562.220	562.440	562.750	T 2
STATION 2	T 2A	565.550	563.500	562.350	560.650	559.670	561.730	562.220	562.440	562.750	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.95 EQUIVALENT ROTOR SPEED = 4208.00 CORRECTED WEIGHT FLOW = 112.52 PRESSURE RATIO =1.2396											
INLET											
STATION 0 STATION 1	PCT SPAN	90.90	91.17	86.75	71.00	49.86	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	442.46	442.46	442.46	442.46	442.46	442.46	442.46	442.46	442.46	V 0
	V 1	497.60	492.87	497.20	502.83	496.25	493.14	481.22	480.53	475.80	V 1
	VZ 0	442.46	442.46	442.46	442.46	442.46	442.46	442.46	442.46	442.46	VZ 0
	VZ 1	497.60	492.87	497.20	502.82	496.18	493.06	481.11	480.40	475.77	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4027	0.4027	0.4027	0.4027	0.4027	0.4027	0.4027	0.4027	0.4027	M 0
	M 1	0.4545	0.4503	0.4545	0.4598	0.4536	0.4506	0.4393	0.4386	0.4342	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.125	-0.114	-0.124	-0.136	-0.122	-0.115	-0.088	-0.086	-0.075	DFAC
	EFFP	0.9999	0.9998	0.9999	0.9999	0.9999	0.9999	1.0001	0.9999	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4 STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PR) 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA(PR) 1
	BETA(PR) 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA(PR) 2
	V 1	497.60	492.87	497.20	502.83	496.25	493.14	481.22	480.53	475.80	V 1
	V 2	574.33	545.37	551.83	580.25	664.57	645.29	633.86	619.63	602.33	V 2
	VZ 1	497.60	492.87	497.20	502.82	496.18	493.06	481.11	480.40	475.77	VZ 1
	VZ 2	417.47	436.42	474.37	529.11	525.66	505.70	466.69	437.52	404.85	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	529.56	475.43	447.03	427.40	406.27	400.36	428.54	438.43	445.70	V-THETA 2
	V(PR) 1	765.6	789.5	797.5	820.0	842.0	866.1	879.3	885.4	889.8	V(PR) 1
	V(PR) 2	425.2	456.9	506.4	572.4	589.9	589.0	552.0	526.6	499.0	V(PR) 2
	VTHETA PR1	-607.5	-616.7	-623.5	-647.8	-680.3	-712.0	-735.9	-743.6	-751.9	VTHETA PR1
	VTHETA PR2	-86.6	-141.6	-177.2	-213.0	-267.3	-301.3	-294.3	-291.4	-291.2	VTHETA PR2
	U 1	607.93	616.74	623.53	647.77	680.27	712.03	735.90	743.61	751.88	U 1
	U 2	610.19	617.24	624.27	645.38	673.55	701.71	722.83	729.36	736.91	U 2
	M 1	0.4545	0.4503	0.4545	0.4598	0.4536	0.4506	0.4393	0.4386	0.4342	M 1
	M 2	0.5960	0.5721	0.5788	0.6063	0.5916	0.5722	0.5605	0.5465	0.5296	M 2
	M(PR) 1	0.7151	0.7214	0.7290	0.7499	0.7696	0.7914	0.8027	0.8082	0.8119	M(PR) 1
	M(PR) 2	0.3771	0.4068	0.4497	0.5102	0.5252	0.5222	0.4881	0.4639	0.4387	M(PR) 2
	TURN(PR)	35.769	33.370	30.945	29.793	26.950	24.523	24.603	23.460	21.967	TURN(PR)
	UUBAR	0.3073	0.2624	0.1939	0.1049	0.0950	0.1276	0.2192	0.2600	0.2986	UUBAR
	LOSS PARA	0.1138	0.0994	0.0732	0.0404	0.0368	0.0496	0.0865	0.1019	0.1153	LOSS PARA
	DFAC	0.7246	0.6587	0.5909	0.5186	0.5080	0.5277	0.55974	0.6369	0.6750	DFAC
	EFFP	0.8125	0.8001	0.8360	0.9329	0.9401	0.8788	0.8318	0.7916	0.7647	EFFP
	EFF	0.8001	0.7734	0.8303	0.9303	0.9378	0.8742	0.8257	0.7841	0.7359	EFF
	INCID	-0.731	-4.350	-4.846	-5.520	-7.431	-10.556	-13.361	-14.761	-16.176	INCID
	DEVM	19.430	21.500	20.687	12.637	10.540	11.672	12.936	14.559	17.057	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.550	18.550	18.700	19.132	19.122	19.015	18.915	18.800	18.660	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	567.000	564.250	563.250	562.370	561.930	564.050	565.700	566.950	568.500	T 2
STATION 4 STATION 2 STATION 2A	PCT SPAN	94.80	90.34	86.87	69.65	49.50	29.46	14.64	9.06	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.365	38.945	39.300	39.650	DIA
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA 2A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2A
	V 2	574.33	545.37	551.83	580.25	664.57	645.29	633.86	619.63	602.33	V 2
	V 2A	470.34	466.57	467.83	540.43	550.97	555.70	515.28	499.78	494.10	V 2A
	VZ 2	417.47	436.42	474.37	529.11	525.66	505.70	466.69	437.52	404.85	VZ 2
	VZ 2A	469.27	465.04	466.94	539.16	555.59	552.13	509.01	492.50	485.65	VZ 2A
	V-THETA 2	529.56	475.43	447.03	427.40	406.27	400.36	428.54	438.43	445.70	V-THETA 2
	V-THETA 2A	31.66	29.46	28.81	36.95	39.24	52.91	80.16	84.98	90.98	V-THETA 2A
	M 2	0.5960	0.5721	0.5788	0.6063	0.5916	0.5722	0.5605	0.5465	0.5296	M 2
	M 2A	0.4097	0.4073	0.4068	0.4753	0.4937	0.4886	0.4509	0.4363	0.4305	M 2A
	TURN(PR)	47.590	43.830	39.769	35.004	33.664	31.850	33.568	35.248	37.118	TURN(PR)
	UUBAR	0.1424	0.1616	0.1347	0.0622	0.0435	0.0672	0.1035	0.1664	0.1942	UUBAR
	LOSS PARA	0.0585	0.0672	0.0567	0.0270	0.0196	0.0314	0.0494	0.0800	0.0939	LOSS PARA
	DFAC	0.6070	0.5651	0.5528	0.4556	0.4127	0.3862	0.4348	0.4740	0.4722	DFAC
	EFFP	0.6120	0.6899	0.6516	0.7693	0.7794	0.7365	0.5039	0.4591	0.3896	EFFP
	INCID	-2.060	-4.420	-6.931	-8.256	-8.614	-10.400	-9.862	-8.322	-8.072	INCID
	DEVM	20.340	19.210	18.150	16.440	15.710	19.020	23.070	24.740	26.560	DEVM
	P 2j	18.550	18.585	18.465	18.975	18.990	18.975	18.576	18.625	18.560	P 2j
	P 2A	18.625	17.989	17.965	18.723	18.620	18.723	13.235	18.679	17.949	P 2A
	T 2	567.000	564.250	563.250	562.370	561.930	564.050	565.700	566.950	568.500	T 2
	T 2A	567.000	564.250	563.250	562.370	561.930	564.050	565.700	566.950	568.500	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.98 EQUIVALENT ROTOR SPEED = 4299.00 CORRECTED WEIGHT FLOW = 108.68 PRESSURE RATIO = 1.2572											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	424.56	424.56	424.56	424.56	424.56	424.56	424.56	424.56	424.56	V 0
	V 1	475.51	472.85	472.99	480.11	480.53	467.50	455.75	453.44	451.40	V 1
	VZ 0	424.56	424.56	424.56	424.56	424.56	424.56	424.56	424.56	424.56	VZ 0
	VZ 1	475.51	472.85	472.99	480.10	480.46	467.43	455.64	453.32	451.37	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	M 0
	M 1	0.4339	0.4314	0.4315	0.4362	0.4386	0.4263	0.4152	0.4130	0.4111	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.120	-0.114	-0.114	-0.131	-0.132	-0.101	-0.073	-0.068	-0.063	DFAC
	EFFP	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9998	0.9999	0.9997	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.084	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	34.430	31.250	27.150	21.280	15.660	9.920	4.470	2.850	1.350	BETA 2
	BETA(PR) 1	51.975	52.525	52.824	53.462	54.774	56.723	58.242	58.639	59.028	BETA(PR) 1
	BETA(PR) 2	10.973	17.188	20.139	23.116	25.976	30.229	33.556	35.299	37.707	BETA(PR) 2
	V 1	475.51	472.85	472.99	480.11	480.53	467.50	455.75	453.44	451.40	V 1
	V 2	658.97	634.19	635.52	658.44	665.06	645.02	615.64	601.69	584.10	V 2
	VZ 1	475.51	472.85	472.99	480.10	480.46	467.43	455.64	453.32	451.37	VZ 1
	VZ 2	363.32	396.96	432.20	494.70	511.84	494.48	437.42	411.35	380.38	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	536.01	494.60	465.92	434.35	424.34	413.75	432.87	438.81	443.02	V-THETA 2
	V(PR) 1	771.9	777.3	782.8	806.4	833.0	851.9	855.7	871.1	877.1	V(PR) 1
	V(PR) 2	396.5	415.5	460.4	538.0	569.6	572.6	525.2	504.3	481.0	V(PR) 2
	VTHETA PR1	-506.1	-616.9	-623.7	-647.9	-680.4	-712.2	-736.1	-743.8	-752.1	VTHETA PR1
	VTHETA PR2	-74.3	-122.6	-158.5	-211.2	-249.4	-288.1	-291.2	-294.1	-296.1	VTHETA PR2
	U 1	608.07	616.89	623.08	647.92	680.43	712.20	736.08	743.79	752.06	U 1
	U 2	610.33	617.38	624.42	645.54	673.71	701.88	723.00	730.05	737.09	U 2
	M 1	0.4339	0.4314	0.4315	0.4382	0.4386	0.4263	0.4152	0.4130	0.4111	M 1
	M 2	0.5829	0.5808	0.5828	0.5849	0.5911	0.5712	0.5425	0.5286	0.5114	M 2
	M(PR) 1	0.7843	0.7091	0.7141	0.7361	0.7634	0.7769	0.7887	0.7935	0.7989	M(PR) 1
	M(PR) 2	0.3454	0.3674	0.4077	0.4779	0.5063	0.5070	0.4628	0.4430	0.4212	M(PR) 2
	TURN(PR)	41.301	35.341	32.685	30.351	28.806	26.507	24.701	23.354	21.341	TURN(PR)
	UUBAR	0.3113	0.2641	0.2267	0.1158	0.0797	0.1014	0.1186	0.2332	0.2647	UUBAR
	LOSS PARA	0.1203	0.1081	0.0857	0.0447	0.0311	0.0397	0.0772	0.0896	0.0996	LOSS PARA
	DFAC	0.7080	0.7139	0.6518	0.5507	0.5355	0.5461	0.6245	0.6501	0.6893	DFAC
	EFFP	0.8153	0.8014	0.8318	0.9158	0.9694	0.9204	0.8433	0.7961	0.7479	EFFP
	EFF	0.8084	0.7945	0.8258	0.9125	0.9682	0.9172	0.8373	0.7885	0.7388	EFF
	INCID	-4.455	-3.691	-3.450	-4.233	-6.320	-9.131	-11.944	-13.258	-14.823	INCID
	DEVH	19.473	20.688	20.336	13.301	7.964	11.112	14.255	16.228	19.036	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.040	18.748	18.781	19.160	19.476	19.400	19.160	19.045	18.917	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	568.000	565.770	564.320	563.550	563.610	565.420	567.500	569.300	571.250	T 2
STATION 4 STATION 2A STATION 2A	PCT SPAN	94.90	90.54	84.87	69.63	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.345	38.945	39.300	39.650	DIA
	BETA 2	34.430	31.250	27.150	21.280	15.660	9.920	4.470	2.850	1.350	BETA 2
	BETA 2A	3.250	3.270	3.470	4.490	4.930	6.920	8.950	9.700	11.360	BETA 2A
	V 2	658.97	634.19	635.52	658.44	665.06	645.02	615.64	601.69	584.10	V 2
	V 2A	435.16	429.29	431.43	505.67	538.24	532.36	497.84	488.76	482.70	V 2A
	VZ 2	363.32	396.96	432.20	494.76	511.84	494.48	437.42	411.35	380.38	VZ 2
	VZ 2A	434.46	428.59	430.63	504.15	536.20	528.44	491.78	481.69	473.25	VZ 2A
	V-THETA 2	536.01	494.60	465.92	434.35	424.34	413.75	432.87	438.81	443.02	V-THETA 2
	V-THETA 2A	24.67	24.49	20.11	39.23	46.44	64.14	77.45	82.86	95.08	V-THETA 2A
	M 2	0.5829	0.5808	0.5828	0.5849	0.5911	0.5712	0.5425	0.5286	0.5114	M 2
	M 2A	0.3778	0.3733	0.3757	0.4430	0.4727	0.4666	0.4343	0.4254	0.4192	M 2A
	TURN(PR)	51.180	47.980	43.679	36.824	34.636	32.980	35.728	37.068	37.968	TURN(PR)
	UUBAR	0.1488	0.1393	0.1265	0.0686	0.0414	0.0877	0.1259	0.1643	0.2031	UUBAR
	LOSS PARA	0.0612	0.0579	0.0532	0.0297	0.0186	0.0409	0.0601	0.0789	0.0980	LOSS PARA
	DFAC	0.6596	0.6321	0.6129	0.4934	0.4488	0.4310	0.4726	0.4787	0.4695	DFAC
	EFFP	0.6551	0.7250	0.7093	0.7999	0.7770	0.6963	0.5362	0.5135	0.4421	EFFP
	INCID	0.620	-0.020	-3.081	-5.906	-3.654	-8.850	-7.722	-7.092	-6.472	INCID
	DEVH	19.730	18.660	18.090	16.970	16.620	19.440	23.070	24.710	27.310	DEVH
	P 2	18.760	18.660	18.585	19.065	19.280	19.310	18.955	18.975	18.955	P 2
	P 2A	18.219	18.153	18.150	13.300	19.118	18.980	18.543	18.444	18.319	P 2A
	T 2	568.000	565.770	564.320	563.550	563.610	565.420	567.500	569.300	571.250	T 2
	T 2A	568.000	565.770	564.320	563.550	563.610	565.420	567.500	569.300	571.250	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.60 EQUIVALENT ROTOR SPEED = 4193.00 CORRECTED WEIGHT FLOW = 103.94 PRESSURE RATIO = 1.2688

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.83	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	402.98	402.98	402.98	402.98	402.98	402.98	402.98	402.98	402.98	402.98	V 0
	V 1	452.85	448.03	450.37	457.92	453.72	442.13	432.85	430.58	426.00	426.00	V 1
	VZ 0	402.98	402.98	402.98	402.98	402.98	402.98	402.98	402.98	402.98	402.98	VZ 0
	VZ 1	452.85	448.03	450.37	457.91	453.66	442.06	432.74	430.47	425.98	425.98	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3658	0.3658	0.3658	0.3658	0.3658	0.3658	0.3658	0.3658	0.3658	0.3658	M 0
	M 1	0.4125	0.4079	0.4102	0.4173	0.4133	0.4024	0.3937	0.3916	0.3873	0.3873	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.124	-0.112	-0.113	-0.136	-0.126	-0.097	-0.074	-0.068	-0.057	-0.057	DFAC
	EFFP	0.9998	0.9998	0.9998	0.9999	0.9999	0.9998	0.9997	1.0000	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	5.02	PCT SPAN
	DIA	33.233	33.017	33.000	35.150	36.634	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PRI) 1	53.219	53.906	54.063	54.647	55.207	58.074	59.453	59.845	60.378	60.378	BETA(PRI) 1
	BETA(PRI) 2	0.015	17.612	20.534	22.761	25.893	30.178	33.955	36.684	39.879	39.879	BETA(PRI) 2
	V 1	452.85	448.03	450.37	457.92	453.72	442.13	432.85	430.58	426.00	426.00	V 1
	V 2	673.24	612.96	614.37	647.54	654.12	537.62	504.67	584.90	563.88	563.88	V 2
	VZ 1	452.85	448.03	450.37	457.91	453.66	442.06	432.74	430.47	425.98	425.98	VZ 1
	VZ 2	357.76	343.06	383.61	469.11	481.62	478.60	409.92	381.67	348.99	348.99	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	570.31	504.55	470.49	446.26	433.48	420.91	444.22	442.95	442.70	442.70	V-THETA 2
	V(PRI) 1	756.3	760.5	767.4	791.4	815.7	836.0	851.2	857.0	861.8	861.8	V(PRI) 1
	V(PRI) 2	359.7	365.2	415.0	508.8	564.5	553.9	434.5	476.2	455.0	455.0	V(PRI) 2
	VTHETA PRI 1	-605.8	-621.3	-621.3	-604.5	-677.8	-709.5	-733.3	-741.0	-749.2	-749.2	VTHETA PRI 1
	VTHETA PRI 2	-27.7	-113.5	-145.6	-196.6	-217.7	-278.3	-276.0	-284.3	-291.6	-291.6	VTHETA PRI 2
	U 1	605.76	614.54	621.31	645.46	677.34	709.50	733.28	740.96	749.20	749.20	U 1
	U 2	605.01	615.04	622.04	643.06	671.15	699.21	720.25	727.28	734.29	734.29	U 2
	M 1	0.4125	0.4079	0.4102	0.4173	0.4133	0.4024	0.3937	0.3916	0.3873	0.3873	M 1
	M 2	0.5959	0.5403	0.5430	0.5742	0.5801	0.5634	0.5316	0.5126	0.4922	0.4922	M 2
	M(PRI) 1	0.6889	0.6225	0.5988	0.7211	0.7430	0.7609	0.7745	0.7793	0.7835	0.7835	M(PRI) 1
	M(PRI) 2	0.3184	0.3219	0.3304	0.4512	0.4529	0.4894	0.4347	0.4173	0.3972	0.3972	M(PRI) 2
	TURN(PRI)	47.204	36.294	33.529	31.889	30.322	27.911	25.512	23.176	20.519	20.519	TURN(PRI)
	UUBAR	0.3105	0.3153	0.2533	0.1208	0.0757	0.0657	0.1981	0.2265	0.2563	0.2563	UUBAR
	LOSS PARA	0.1210	0.1197	0.0957	0.0406	0.0296	0.0335	0.0766	0.0856	0.0935	0.0935	LOSS PARA
	DFAC	0.5218	0.7841	0.7095	0.5914	0.5523	0.5637	0.6604	0.6855	0.7138	0.7138	DFAC
	EFFP	0.8700	0.7808	0.8163	0.9281	0.9715	0.9249	0.8486	0.8004	0.7421	0.7421	EFFP
	EFF	0.3709	0.7731	0.6096	0.6252	0.9704	0.9217	0.3426	0.7927	0.7325	0.7325	EFF
	INCID	-3.211	-2.314	-2.217	-3.654	-5.037	-7.780	-10.733	-12.051	-13.473	-13.473	INCID
	DEVM	14.515	21.112	20.733	13.007	9.461	11.060	14.655	17.613	21.208	21.208	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	14.513	18.730	18.730	19.330	19.620	19.600	19.340	19.170	19.000	19.000	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	568.950	566.870	565.210	564.120	564.730	566.980	568.970	570.350	572.650	572.650	T 2
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.87	69.63	49.58	29.48	14.64	9.66	4.76	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.385	38.945	39.300	39.650	39.650	DIA
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA 2A	2.920	2.750	3.000	5.070	5.750	6.090	8.870	9.720	10.530	10.530	BETA 2A
	V 2	573.24	512.96	614.37	647.54	654.12	637.62	604.67	584.90	563.88	563.88	V 2
	V 2A	400.99	401.27	407.35	458.06	512.98	511.49	473.22	467.20	458.29	458.29	V 2A
	VZ 2	357.76	348.06	383.61	469.11	499.62	478.60	409.92	381.67	348.99	348.99	VZ 2
	VZ 2A	405.46	400.31	406.79	450.27	510.79	507.79	467.50	460.49	450.57	450.57	VZ 2A
	V-THETA 2	570.31	504.55	470.49	446.26	433.48	420.91	444.22	442.95	442.70	442.70	V-THETA 2
	V-THETA 2A	20.73	19.25	21.32	40.43	51.45	61.36	72.97	78.88	83.75	83.75	V-THETA 2A
	M 2	0.5959	0.5403	0.5430	0.5742	0.5801	0.5634	0.5316	0.5126	0.4922	0.4922	M 2
	M 2A	0.3524	0.3480	0.3539	0.3997	0.4492	0.4469	0.4115	0.4050	0.3968	0.3968	M 2A
	TURN(PRI)	54.980	52.650	47.794	38.444	35.745	34.420	33.403	32.508	31.198	31.198	TURN(PRI)
	UUBAR	0.1530	0.1479	0.1298	0.0886	0.0480	0.1051	0.1505	0.1710	0.1949	0.1949	UUBAR
	LOSS PARA	0.0630	0.0615	0.0546	0.0384	0.0216	0.0491	0.0719	0.0726	0.0943	0.0943	LOSS PARA
	DFAC	0.7321	0.6754	0.6496	0.5650	0.4610	0.4645	0.5164	0.5074	0.5033	0.5033	DFAC
	EFFP	0.6122	0.7974	0.7905	0.7527	0.7907	0.7134	0.5702	0.5920	0.5756	0.5756	EFFP
	INCID	4.090	3.530	0.509	-3.016	-4.795	-7.440	-5.122	-4.692	-4.071	-4.071	INCID
	DEVM	19.400	19.340	17.620	17.570	17.430	19.410	22.490	24.670	26.480	26.480	DEVM
	P 2	18.925	18.810	18.780	19.090	19.450	19.560	19.210	19.205	19.137	19.137	P 2
	P 2A	18.377	18.299	18.337	18.700	18.600	19.165	18.720	18.661	18.545	18.545	P 2A
	T 2	568.950	566.870	565.210	564.120	564.730	566.980	568.970	570.350	572.650	572.650	T 2
	T 2A	568.950	566.870	565.210	564.120	564.730	566.980	568.970	570.350	572.650	572.650	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 100.24											EQUIVALENT ROTOR SPEED = 4220.00				CORRECTED WEIGHT FLOW = 100.24				PRESSURE RATIO = 1.2738			
INLET																						
STATION 0 STATION 1	PCT SPAN	90.90	91.17	86.75	71.00	49.68	29.24	15.72	8.71	3.34	PCT SPAN											
	DIA	33.110	33.590	33.960	35.230	37.050	38.780	40.080	40.500	40.950	DIA											
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0											
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1											
	V 0	386.51	386.51	386.51	386.51	386.51	386.51	386.51	386.51	386.51	V 0											
	V 1	427.53	430.58	430.58	432.09	435.11	426.00	413.60	405.68	404.08	V 1											
	VZ 0	386.51	386.51	386.51	386.51	386.51	386.51	386.51	386.51	386.51	VZ 0											
	VZ 1	427.53	430.58	430.58	432.09	435.04	425.94	413.50	405.58	404.06	VZ 1											
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0											
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1											
	M 0	0.3504	0.3504	0.3504	0.3504	0.3504	0.3504	0.3504	0.3504	0.3504	M 0											
	M 1	0.3887	0.391	0.3916	0.3930	0.3958	0.3873	0.3757	0.3683	0.3668	M 1											
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN											
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR											
	DFAC	-0.106	-0.114	-0.114	-0.116	-0.126	-0.102	-0.070	-0.050	-0.045	DFAC											
	EFFP	0.9995	1.0000	1.0000	0.9993	0.9995	0.9999	0.9998	0.9998	0.9995	EFFP											
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID											
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM											
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0											
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1											
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0											
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1											
STATION 1 STATION 2	PCT SPAN	90.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN											
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.366	39.752	40.135	DIA											
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1											
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2											
	BETA(PRI) 1	54.960	55.156	55.449	56.371	57.474	59.184	60.738	61.460	61.814	BETA(PRI) 1											
	BETA(PRI) 2	4.110	17.349	21.615	24.291	26.177	31.026	35.522	35.820	37.820	BETA(PRI) 2											
	V 1	427.53	430.58	430.58	432.09	435.11	426.00	413.60	405.68	404.08	V 1											
	V 2	677.30	612.41	602.81	629.71	650.03	628.78	591.98	593.74	584.91	V 2											
	VZ 1	427.53	430.58	430.58	432.09	435.04	425.94	413.50	405.58	404.06	VZ 1											
	VZ 2	336.60	329.95	360.25	443.28	477.59	462.66	380.40	354.32	331.21	VZ 2											
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1											
	V-THETA 2	58.74	515.92	483.31	447.16	440.71	425.44	455.34	476.23	481.92	V-THETA 2											
	V(PRI) 1	744.6	753.0	759.2	780.2	809.2	831.5	846.0	848.9	855.5	V(PRI) 1											
	V(PRI) 2	337.5	345.7	387.5	486.4	532.4	540.2	467.6	437.2	419.5	V(PRI) 2											
	VTHETA PRI	-0.09.7	-0.18.5	-0.25.3	-0.49.0	-0.82.2	-714.1	-738.0	-745.7	-754.0	VTHETA PRI											
	VTHETA PRI 2	-24.2	-103.1	-142.7	-200.1	-234.3	-278.3	-271.0	-255.7	-257.1	VTHETA PRI 2											
	U 1	619.66	618.50	625.31	649.62	682.21	714.06	738.00	745.74	754.02	U 1											
	U 2	611.93	619.00	626.05	647.22	675.47	703.72	724.89	731.96	739.01	U 2											
	M 1	0.3667	0.3916	0.3916	0.3930	0.3958	0.3873	0.3757	0.3683	0.3668	M 1											
	M 2	0.5994	0.5397	0.5312	0.5573	0.5758	0.5547	0.5193	0.5202	0.5114	M 2											
	M(PRI) 1	0.6770	0.6653	0.6904	0.7096	0.7361	0.7559	0.7684	0.7707	0.7765	M(PRI) 1											
	M(PRI) 2	0.2967	0.3046	0.3414	0.4305	0.4710	0.4765	0.4102	0.3831	0.3667	M(PRI) 2											
	TURN(PRI)	0.645	37.807	33.835	32.064	31.305	28.173	25.231	25.655	24.015	TURN(PRI)											
	UUBAR	0.3157	0.3099	0.2624	0.1325	0.0781	0.0916	0.2244	0.2678	0.2909	UUBAR											
	LOSS PARA	0.1240	0.1178	0.0983	0.0903	0.0304	0.0356	0.0852	0.1023	0.1092	LOSS PARA											
	DFAC	0.6081	0.8141	0.7462	0.6148	0.5776	0.5803	0.6949	0.7407	0.7748	DFAC											
	EFFP	0.9120	0.9172	0.8157	0.9220	0.9771	0.9232	0.8347	0.8249	0.7973	EFFP											
	EFF	0.9082	0.8105	0.8091	0.9196	0.9701	0.9199	0.8281	0.8179	0.7892	EFF											
	INCID	-1.470	-1.064	-0.831	-1.330	-3.219	-6.070	-9.448	-10.436	-12.037	INCID											
	DEVM	12.610	20.649	21.814	14.536	9.766	11.707	16.221	16.749	19.148	DEVM											
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1											
	P 2	19.800	18.970	18.680	19.300	19.750	19.670	19.350	19.440	19.400	P 2											
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1											
	T 2	569.500	567.150	566.300	564.400	565.550	567.700	569.950	571.500	573.000	T 2											
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.37	69.08	49.58	29.48	14.64	9.66	4.76	PCT SPAN											
	DIA	38.216	33.540	33.930	35.015	36.450	37.385	38.945	39.300	39.650	DIA											
	BETA 2	60.200	57.400	53.300	45.250	42.700	42.600	50.000	53.350	55.500	BETA 2											
	BETA 2A	2.750	2.600	2.600	5.050	6.600	7.100	7.900	8.500	8.950	BETA 2A											
	V 2	677.30	612.41	602.81	629.71	650.03	628.78	591.98	593.74	584.91	V 2											
	V 2A	330.63	379.58	392.56	435.24	466.35	478.47	451.84	439.60	429.61	V 2A											
	VZ 2	336.60	329.95	360.25	443.28	477.59	462.66	380.40	354.32	331.21	VZ 2											
	VZ 2A	363.19	379.19	392.17	433.95	455.13	474.80	447.56	434.78	424.38	VZ 2A											
	V-THETA 2	58.74	515.92	483.31	447.16	440.71	425.44	455.34	476.23	481.92	V-THETA 2											
	V-THETA 2A	18.26	17.22	17.41	38.31	55.90	59.14	62.10	64.98	66.84	V-THETA 2A											
	M 2	0.5994	0.5397	0.5312	0.5573	0.5758	0.5547	0.5193	0.5202	0.5114	M 2											
	M 2A	0.3239	0.3287	0.3405	0.3791	0.4247	0.4167	0.3920	0.3805	0.3711	M 2A											
	TURN(PRI)	0.7450	54.800	50.699	40.194	36.085	35.479	42.078	44.829	46.529	TURN(PRI)											
	UUBAR	0.1667	0.1564	0.1383	0.0885	0.0495	0.1204	0.1504	0.1514	0.2033	UUBAR											
	LOSS PARA	0.0686	0.0651	0.0582	0.0383	0.0223	0.0562	0.0720	0.0730	0.0989	LOSS PARA											
	DFAC	0.7847	0.7156	0.6743	0.5917	0.5207	0.5146	0.5585	0.6000	0.6176	DFAC											
	EFFP	0.5906	0.7698	0.8234	0.7703	0.7693	0.6382	0.6949	0.5705	0.4943	EFFP											
	INCID	6.390	5.530	3.069	-1.936	-3.615	-6.170	-2.422	-0.591	-0.321	INCID											
	DEVM	19.230	18.190	17.220	17.570	18.270	19.620	22.020	23.450	24.900	DEVM											
	P 2	19.075	18.973	18.970	19.120	19.485	19.570	19.330	19.215	19.215	P 2											
	P 2A	18.424	18.435	18.501	18.611	19.301	19.135	18.844	18.753	18.608	P 2A											
	T 2	569.500	567.150	566.300	564.400	565.550	567.700	569.950	571.500	573.000	T 2											
	T 2A	569.500	567.150	566.300	564.400	565.550	567.780	570.000	571.000	573.150	T 2A											

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 110.50 EQUIVALENT ROTOR SPEED = 4652.00 CORRECTED WEIGHT FLOW = 123.83 PRESSURE RATIO = 1.1372											
INLET											
STATION 0	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	497.72	497.72	497.72	497.72	497.72	497.72	497.72	497.72	497.72	V 0
	V 1	577.00	570.59	569.49	568.52	560.81	553.15	548.17	546.54	543.02	V 1
	VZ 0	497.72	497.72	497.72	497.72	497.72	497.72	497.72	497.72	497.72	VZ 0
	VZ 1	577.00	570.59	569.49	568.51	560.73	553.07	548.04	546.40	542.99	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4550	0.4550	0.4550	0.4550	0.4550	0.4550	0.4550	0.4550	0.4550	M 0
	M 1	0.5318	0.5250	0.5239	0.5230	0.5155	0.5081	0.5033	0.5017	0.4983	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.150	-0.146	-0.144	-0.142	-0.127	-0.111	-0.101	-0.098	-0.091	DFAC
	EFFP	0.9999	1.0000	1.0000	1.0000	0.9999	1.0001	1.0000	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
STATION 1	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.517	34.000	35.150	36.564	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	42.330	40.660	39.120	34.390	30.620	31.420	31.180	33.300	34.580	BETA 2
	BETA(PR) 1	49.323	50.075	50.438	51.555	53.291	54.908	55.034	56.390	56.845	BETA(PR) 1
	BETA(PR) 2	12.352	12.676	15.041	24.977	51.824	32.954	32.684	32.147	33.106	BETA(PR) 2
	V 1	577.00	570.59	569.49	568.52	560.81	553.15	548.17	546.54	543.02	V 1
	V 2	602.60	629.91	622.17	751.76	713.91	722.34	749.59	751.50	738.04	V 2
	VZ 1	577.00	570.59	569.49	568.51	560.73	553.07	548.04	546.40	542.99	VZ 1
	VZ 2	583.65	629.95	637.85	620.27	614.14	616.10	640.95	627.77	607.34	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	545.67	540.75	515.74	424.55	363.49	376.37	387.87	412.37	418.66	V-THETA 2
	V(PR) 1	880.2	889.1	894.1	914.4	938.1	962.1	981.0	987.2	992.9	V(PR) 1
	V(PR) 2	602.6	645.3	660.5	684.4	723.1	734.0	761.9	741.9	725.4	V(PR) 2
	VTHETA PR1	-672.1	-581.8	-539.3	-710.1	-752.0	-787.2	-813.6	-822.1	-831.2	VTHETA PR1
	VTHETA PR2	-126.9	-141.0	-171.4	-288.9	-381.1	-399.4	-411.2	-394.5	-396.0	VTHETA PR2
	U 1	672.07	681.82	669.33	716.12	752.05	787.16	813.55	822.08	831.21	U 1
	U 2	674.57	682.36	690.14	713.48	744.62	775.76	799.10	806.49	814.67	U 2
	M 1	0.5318	0.5250	0.5239	0.5230	0.5155	0.5081	0.5033	0.5017	0.4983	M 1
	M 2	0.7130	0.7468	0.7409	0.6741	0.6395	0.6458	0.6730	0.6751	0.6612	M 2
	M(PR) 1	0.5159	0.5180	0.5226	0.8411	0.8364	0.8838	0.9007	0.9062	0.9112	M(PR) 1
	M(PR) 2	0.5395	0.5807	0.5952	0.6136	0.6477	0.6567	0.6841	0.6664	0.6499	M(PR) 2
	TURN(PR) 1	36.972	37.393	35.397	26.582	21.477	21.969	23.364	24.255	23.758	TURN(PR) 1
	TURN(PR) 2	0.3919	0.3941	0.3180	0.2895	0.2445	0.2675	0.2456	0.2954	0.3316	TURN(PR) 2
	UUBAR	0.1507	0.1298	0.1237	0.1393	0.1090	0.1016	0.0964	0.1178	0.1321	UUBAR
	LUSS PARA	0.5029	0.5165	0.4951	0.4445	0.4968	0.4123	0.4060	0.4434	0.4678	LUSS PARA
	DFAC	0.7004	0.7919	0.8110	0.7106	0.6994	0.6795	0.7819	0.7829	0.7297	DFAC
	EFFP	0.6900	0.7339	0.8039	0.7019	0.6911	0.6703	0.7749	0.7759	0.7214	EFFP
	INCID	-7.107	-6.145	-5.842	-6.146	-8.002	-10.546	-14.152	-15.507	-17.006	INCID
	DEVM	20.852	16.178	15.241	15.222	15.410	13.835	13.384	13.078	14.436	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.744	19.200	19.090	18.152	17.896	17.942	18.393	18.374	18.185	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.850	571.250	568.800	564.700	561.070	564.140	563.050	562.780	563.850	T 2
STATOR 4											
STATION 2	PCT SPAN	94.96	90.34	84.87	69.08	49.53	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	42.030	40.660	39.120	34.390	30.620	31.420	31.180	33.300	34.580	BETA 2
	BETA 2A	6.900	6.270	5.570	3.250	3.800	7.300	10.350	10.160	10.270	BETA 2A
	V 2	602.60	629.91	622.17	751.76	713.91	722.34	749.59	751.50	738.04	V 2
	V 2A	702.04	733.92	729.78	734.59	708.28	734.79	710.81	668.29	656.51	V 2A
	VZ 2	588.65	629.56	637.85	620.27	614.14	616.10	640.95	627.77	607.34	VZ 2
	VZ 2A	690.95	723.53	720.57	733.41	700.73	728.84	699.25	657.82	645.99	VZ 2A
	V-THETA 2	545.67	540.75	515.74	424.55	363.49	376.37	387.87	412.37	418.66	V-THETA 2
	V-THETA 2A	84.34	30.15	63.50	41.05	40.94	93.37	127.71	117.89	117.05	V-THETA 2A
	M 2	0.7186	0.7408	0.7409	0.6741	0.6395	0.6458	0.6730	0.6751	0.6612	M 2
	M 2A	0.6210	0.6526	0.6501	0.6573	0.6341	0.6579	0.6353	0.5947	0.5829	M 2A
	TURN(PR) 1	35.930	34.390	33.749	31.134	26.307	24.102	20.810	21.120	24.289	TURN(PR) 1
	TURN(PR) 2	0.2464	0.1992	0.1692	0.1262	0.1469	0.1212	0.1932	0.3250	0.3018	TURN(PR) 2
	UUBAR	0.1008	0.0824	0.0709	0.0547	0.0663	0.0565	0.0918	0.1461	0.1461	UUBAR
	LUSS PARA	0.3624	0.3471	0.3434	0.2447	0.2093	0.1683	0.2213	0.3038	0.3138	LUSS PARA
	DFAC	-0.1180	-0.1190	-0.1409	-0.1726	-0.0939	4.5565	-1.7152	-0.7925	-0.8482	DFAC
	EFFP	-10.963	-11.210	-11.111	-12.795	-15.693	-17.348	-21.239	-20.640	-21.241	EFFP
	INCID	23.380	21.860	19.990	15.770	15.470	19.820	24.470	25.110	26.220	INCID
	DEVM	18.300	18.525	18.250	18.060	17.710	17.820	17.660	17.600	17.308	DEVM
	P 2	17.005	17.476	17.405	17.470	17.095	17.303	16.871	16.321	16.177	P 2
	T 2	572.850	571.250	568.800	564.700	561.070	564.140	563.050	562.780	563.850	T 2
	T 2A	572.850	571.250	568.800	564.700	561.070	564.140	563.050	562.780	563.850	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 110.57 EQUIVALENT ROTOR SPEED = 4655.00 CORRECTED WEIGHT FLOW = 119.95 PRESSURE RATIO = 1.2455											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION C	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	478.31	479.31	478.31	478.31	478.31	478.31	478.31	478.31	478.31	V 0
	V 1	541.63	542.64	543.40	544.66	534.66	524.65	515.93	512.65	510.27	V 1
	VZ 0	478.31	478.31	478.31	478.31	478.31	478.31	478.31	478.31	478.31	VZ 0
	VZ 1	541.63	542.64	543.40	544.66	534.66	524.57	515.81	512.52	510.25	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4365	0.4365	0.4365	0.4365	0.4365	0.4365	0.4365	0.4365	0.4365	M 0
	M 1	0.4970	0.4980	0.4987	0.4995	0.4903	0.4807	0.4723	0.4692	0.4669	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.132	-0.134	-0.136	-0.139	-0.118	-0.097	-0.079	-0.072	-0.067	DFAC
	EFFP	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.235	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	43.250	43.850	41.960	41.330	39.480	37.590	40.050	42.150	44.350	BETA 2
	BETA(PR) 1	51.152	51.502	51.769	52.763	54.611	56.337	57.841	58.075	58.472	BETA(PR) 1
	BETA(PR) 2	11.595	16.463	15.508	22.922	30.065	33.249	34.973	36.607	39.446	BETA(PR) 2
	V 1	541.63	542.64	543.40	544.66	534.66	524.65	515.93	512.65	510.27	V 1
	V 2	764.72	753.74	769.30	730.14	688.46	687.09	678.57	661.01	633.47	V 2
	VZ 1	541.63	542.64	543.40	544.66	534.66	524.57	515.81	512.52	510.25	VZ 1
	VZ 2	509.21	543.57	506.93	548.21	531.22	544.20	519.20	489.55	452.81	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	570.52	522.17	527.73	482.12	437.59	418.94	436.44	443.74	442.65	V-THETA 2
	V(PR) 1	863.5	871.7	878.1	900.1	923.1	946.4	963.8	969.3	975.8	V(PR) 1
	V(PR) 2	519.8	566.8	609.1	595.3	614.0	651.3	633.9	610.2	586.6	V(PR) 2
	VTHETA PR1	-672.5	-682.3	-689.8	-716.6	-752.5	-787.7	-814.1	-822.6	-831.7	VTHETA PR1
	VTHETA PR2	-104.5	-100.6	-162.9	-231.6	-307.5	-357.3	-363.2	-363.7	-372.5	VTHETA PR2
	U 1	672.51	682.26	689.77	716.58	752.55	787.67	814.07	822.61	831.75	U 1
	U 2	675.00	682.80	690.58	713.94	745.10	776.26	799.61	807.41	815.19	U 2
	M 1	0.4970	0.4980	0.4987	0.4999	0.4903	0.4807	0.4723	0.4692	0.4669	M 1
	M 2	0.6782	0.6701	0.7055	0.6490	0.6110	0.6086	0.5995	0.5827	0.5563	M 2
	M(PR) 1	0.7324	0.8000	0.8059	0.8261	0.8465	0.8671	0.8824	0.8871	0.8929	M(PR) 1
	M(PR) 2	0.4610	0.5039	0.5445	0.5291	0.5450	0.5769	0.5601	0.5378	0.5152	M(PR) 2
	TURN(PR)	39.557	35.039	36.262	29.845	24.555	23.064	22.683	21.483	19.047	TURN(PR)
	UUBAR	0.3199	0.2544	0.1877	0.2333	0.2292	0.2043	0.2593	0.3020	0.3348	UUBAR
	LOSS PARA	0.1234	0.0972	0.0728	0.0395	0.0862	0.0773	0.0991	0.1142	0.1229	LOSS PARA
	DFAC	0.6586	0.5884	0.5495	0.5612	0.5398	0.5107	0.5515	0.5841	0.6123	DFAC
	EFFP	0.7797	0.8158	0.8257	0.8285	0.8173	0.8034	0.7718	0.7318	0.6774	EFFP
	EFF	0.7704	0.8081	0.8222	0.8216	0.8105	0.7959	0.7632	0.7221	0.6665	EFF
	INCID	-5.278	-4.718	-4.511	-4.938	-6.083	-9.517	-12.545	-13.821	-15.379	INCID
	DEVM	20.095	19.963	15.707	13.168	13.652	14.170	15.672	17.536	20.774	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.750	19.610	20.260	19.430	19.030	19.140	19.090	18.880	18.610	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	577.850	573.870	572.760	571.160	567.770	569.830	571.470	572.030	573.050	T 2
STATOR 4											
	PCT SPAN	94.96	90.34	84.87	69.68	49.56	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	48.250	43.850	41.950	41.330	39.480	37.590	40.050	42.150	44.350	BETA 2
	BETA 2A	5.620	5.080	4.450	1.950	2.830	6.330	8.970	9.550	9.970	BETA 2A
	V 2	764.72	753.74	739.30	730.14	688.46	687.09	678.57	661.01	633.47	V 2
	V 2A	561.00	561.15	577.84	607.15	584.41	590.22	562.75	547.57	533.91	V 2A
	VZ 2	509.21	543.57	546.93	548.21	531.22	544.20	519.20	489.55	452.81	VZ 2
	VZ 2A	558.95	558.95	576.10	606.80	583.70	586.62	555.87	539.98	525.85	VZ 2A
	V-THETA 2	570.52	522.17	527.73	482.12	437.59	418.94	436.44	443.74	442.65	V-THETA 2
	V-THETA 2A	55.00	49.69	44.83	20.66	28.35	65.07	87.74	90.85	92.44	V-THETA 2A
	M 2	0.6782	0.6701	0.7055	0.6490	0.6110	0.6036	0.5995	0.5827	0.5563	M 2
	M 2A	0.4679	0.4892	0.5050	0.5328	0.5134	0.5178	0.4917	0.4776	0.4647	M 2A
	TURN(PR)	42.630	38.770	37.509	39.374	36.636	31.240	31.058	32.618	34.358	TURN(PR)
	UUBAR	0.1895	0.1777	0.1677	0.0686	0.0368	0.0729	0.1191	0.1832	0.1970	UUBAR
	LOSS PARA	0.0777	0.0737	0.0704	0.0298	0.0166	0.0360	0.0569	0.0882	0.0955	LOSS PARA
	DFAC	0.5435	0.5168	0.5259	0.4437	0.4207	0.3840	0.4211	0.4343	0.4318	DFAC
	EFFP	0.5642	0.5602	0.4830	0.7472	0.7439	0.6258	0.4560	0.4618	0.4167	EFFP
	INCID	-5.560	-8.020	-8.271	-5.850	-6.834	-11.180	-12.372	-11.752	-11.472	INCID
	DEVM	22.100	20.670	19.070	14.470	14.500	18.850	23.090	24.500	25.920	DEVM
	P 2	19.460	19.375	19.525	19.315	18.830	18.960	18.750	18.850	18.650	P 2
	P 2A	18.520	18.511	18.688	18.994	18.681	18.664	18.300	18.145	17.947	P 2A
	T 2	577.850	573.870	572.760	571.160	567.770	569.830	571.470	572.030	573.050	T 2
	T 2A	577.850	573.870	572.760	571.160	567.770	569.830	571.470	572.030	573.050	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 110.14

EQUIVALENT ROTOR SPEED = 4637.00

CORRECTED WEIGHT FLOW = 116.15

PRESSURE RATIO = 1.2828

INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	459.77	459.77	459.77	459.77	459.77	459.77	459.77	459.77	459.77	V 0
	V 1	522.58	523.35	523.74	527.61	517.89	507.63	496.25	493.68	490.83	V 1
	VZ 0	459.77	459.77	459.77	459.77	459.77	459.77	459.77	459.77	459.77	VZ 0
	VZ 1	522.58	523.35	523.74	527.60	517.82	507.55	496.14	493.56	490.80	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4190	0.4190	0.4190	0.4190	0.4190	0.4190	0.4190	0.4190	0.4190	M 0
	M 1	0.4767	0.4794	0.4798	0.4835	0.4742	0.4644	0.4536	0.4511	0.4484	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.137	-0.133	-0.139	-0.148	-0.126	-0.104	-0.079	-0.074	-0.068	DFAC
	EFFP	1.0000	0.9999	0.9999	0.9999	0.9998	0.9998	0.9999	1.0000	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1 STATION 2											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	52.000	47.600	44.750	42.300	41.620	40.700	43.750	46.250	48.750	BETA 2
	BETA(PR) 1	52.043	52.401	52.664	53.330	55.364	57.103	58.541	58.939	59.358	BETA(PR) 1
	BETA(PR) 2	10.144	10.831	18.247	21.780	29.016	32.501	34.727	36.177	38.191	BETA(PR) 2
	V 1	522.58	523.35	523.74	527.61	517.89	507.63	496.25	493.68	490.83	V 1
	V 2	748.63	721.71	733.27	734.36	688.17	681.51	668.37	655.17	639.35	V 2
	VZ 1	522.58	523.35	523.74	527.60	517.82	507.55	496.14	493.56	490.80	VZ 1
	VZ 2	460.90	466.65	520.75	543.09	514.30	516.46	482.61	452.89	421.42	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	509.93	532.95	516.23	494.18	456.94	444.23	462.00	473.10	480.53	V-THETA 2
	V(PR) 1	369.6	857.8	864.0	387.6	911.1	934.5	950.7	956.7	963.0	V(PR) 1
	V(PR) 2	466.2	508.4	543.3	584.9	598.4	612.7	587.5	561.4	536.4	V(PR) 2
	VTHETA PR1	-603.5	-679.6	-637.1	-713.6	-749.6	-784.6	-810.9	-819.4	-828.5	VTHETA PR1
	VTHETA PR2	-82.5	-147.2	-171.7	-217.0	-255.3	-329.0	-334.5	-331.2	-331.5	VTHETA PR2
	U 1	669.91	679.62	687.10	713.61	749.62	784.63	810.93	819.43	828.53	U 1
	U 2	672.35	680.16	637.91	711.18	742.22	773.25	796.52	804.29	812.04	U 2
	M 1	0.4787	0.4794	0.4798	0.4835	0.4742	0.4644	0.4536	0.4511	0.4484	M 1
	M 2	0.6525	0.6381	0.6497	0.6518	0.6085	0.6015	0.5878	0.5751	0.5595	M 2
	M(PR) 1	0.7783	0.7658	0.7415	0.8135	0.8343	0.8550	0.8689	0.8742	0.8798	M(PR) 1
	M(PR) 2	0.4140	0.4495	0.4859	0.5192	0.5202	0.5407	0.5167	0.4927	0.4695	M(PR) 2
	TURN(PR)	41.899	35.570	34.438	31.754	26.357	24.617	23.828	22.776	21.188	TURN(PR)
	UUBAR	0.3019	0.2559	0.2057	0.1688	0.1887	0.1844	0.2493	0.2926	0.3270	UUBAR
	LCSS PARA	0.1170	0.0975	0.0767	0.0653	0.0717	0.0704	0.0956	0.1112	0.1222	LCSS PARA
	DFAC	0.7228	0.6548	0.6061	0.5724	0.5711	0.5580	0.6066	0.6439	0.6778	DFAC
	EFFP	0.6347	0.6115	0.6511	0.8962	0.6500	0.8411	0.7953	0.7659	0.7270	EFFP
	EFF	0.8272	0.8034	0.8445	0.8915	0.8443	0.8343	0.7868	0.7564	0.7163	EFF
	INCID	-4.387	-3.819	-3.596	-4.170	-5.929	-8.751	-11.645	-12.958	-14.493	INCID
	DEVH	18.644	20.331	18.446	12.026	12.604	13.362	15.427	17.106	19.519	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	20.170	19.765	19.960	20.100	19.637	19.696	19.597	19.450	19.307	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	578.100	575.770	574.870	573.130	571.770	572.980	575.230	575.900	577.450	T 2
STATION 4 STATION 2A											
STATION 4 STATION 2A	PCT SPAN	94.94	90.34	84.87	69.60	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
	BETA 2	52.000	47.600	44.750	42.300	41.620	40.700	43.750	46.250	48.750	BETA 2
	BETA 2A	4.610	4.550	4.520	3.540	3.190	0.690	8.630	8.970	9.120	BETA 2A
	V 2	748.63	721.71	733.27	734.36	688.17	681.51	668.37	655.17	639.35	V 2
	V 2A	516.79	512.50	525.23	579.13	565.19	551.16	517.93	514.29	498.32	V 2A
	VZ 2	460.90	466.65	520.75	543.09	514.30	516.46	482.61	452.89	421.42	VZ 2
	VZ 2A	515.12	510.89	523.60	578.07	564.32	547.41	512.07	508.00	492.02	VZ 2A
	V-THETA 2	509.93	532.95	516.23	494.18	456.94	444.23	462.00	473.10	480.53	V-THETA 2
	V-THETA 2A	41.24	40.00	41.39	35.76	31.45	0.421	77.72	80.19	78.99	V-THETA 2A
	M 2	0.6625	0.6381	0.6497	0.6518	0.6085	0.6015	0.5878	0.5751	0.5595	M 2
	M 2A	0.4472	0.4442	0.4561	0.5060	0.4936	0.4805	0.4494	0.4458	0.4308	M 2A
	TURN(PR)	47.350	43.050	40.229	36.754	38.415	33.990	35.098	37.258	39.608	TURN(PR)
	UUBAR	0.1805	0.1612	0.1471	0.0660	0.0392	0.1076	0.1270	0.1678	0.1913	UUBAR
	LCSS PARA	0.0742	0.0670	0.0617	0.0290	0.0177	0.0502	0.0607	0.0808	0.0929	LCSS PARA
	DFAC	0.8117	0.5742	0.5566	0.4832	0.4595	0.4550	0.5051	0.5099	0.5323	DFAC
	EFFP	0.6155	0.6003	0.6553	0.7603	0.8290	0.6618	0.5186	0.5384	0.4982	EFFP
	INCID	-1.810	-4.270	-5.481	-4.886	-4.694	-8.070	-8.672	-7.692	-7.072	INCID
	DEVH	21.090	20.140	19.140	16.060	14.860	19.210	22.750	23.920	25.070	DEVH
	P 2	19.860	19.655	19.700	19.890	19.525	19.575	19.185	19.310	19.185	P 2
	P 2A	18.987	13.909	19.013	19.574	19.359	19.128	18.718	18.678	18.501	P 2A
	T 2	578.100	575.770	574.870	573.130	571.770	572.980	575.230	575.900	577.450	T 2
	T 2A	578.100	575.770	574.870	573.130	571.770	572.980	575.230	575.900	577.450	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 110.17

EQUIVALENT ROTOR SPEED = 4638.00

CORRECTED WEIGHT FLOW = 112.45

PRESSURE RATIO = 1.3057

INLET													
	PCT SPAN	96.90	91.17	86.75	71.00	49.38	29.24	13.72	8.71	3.34		PCT SPAN	
	DIA	33.110	33.596	33.960	33.280	37.050	38.780	40.080	40.500	40.950		DIA	
STATION 0	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		BETA 0	
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		BETA 1	
	V 0	442.14	442.14	442.14	442.14	442.14	442.14	442.14	442.14	442.14		V 0	
	V 1	494.49	502.17	504.97	505.64	506.16	487.82	474.40	469.62	464.65		V 1	
	VZ 0	442.14	442.14	442.14	442.14	442.14	442.14	442.14	442.14	442.14		VZ 0	
	VZ 1	494.49	502.17	504.97	505.63	506.09	487.75	474.28	469.50	464.63		VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		V-THETA 1	
	M 0	0.4024	0.4024	0.4024	0.4024	0.4024	0.4024	0.4024	0.4024	0.4024		M 0	
	M 1	0.4519	0.4592	0.4619	0.4625	0.4573	0.4456	0.4328	0.4283	0.4236		M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		UUBAR	
	DFAC	-0.113	-0.136	-0.142	-0.144	-0.151	-0.103	-0.073	-0.062	-0.051		DFAC	
	EFFP	1.0000	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999	0.9999	0.9997		EFFP	
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001		INCID	
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000		DEVM	
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694		P 0	
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694		P 1	
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700		T 0	
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700		T 1	
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02		PCT SPAN	
	DIA	33.233	33.517	33.680	33.150	36.684	38.218	39.368	39.752	40.135		DIA	
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		BETA 1	
STATION 2	BETA 2	55.400	52.750	49.840	44.140	43.210	43.360	47.630	45.880	52.350		BETA 2	
	BETA(PRI) 1	55.573	53.545	53.693	54.694	56.296	58.139	59.683	60.195	60.722		BETA(PRI) 1	
	BETA(PRI) 2	8.261	17.579	18.751	20.765	27.734	31.509	35.147	36.541	37.996		BETA(PRI) 2	
	V 1	494.49	502.17	504.97	505.64	506.16	487.82	474.40	469.62	464.65		V 1	
	V 2	742.45	688.73	724.77	734.53	695.38	683.33	656.88	647.80	640.27		V 2	
	VZ 1	494.49	502.17	504.97	505.63	506.09	487.75	474.28	469.50	464.63		VZ 1	
	VZ 2	421.62	413.39	463.35	527.07	586.09	496.63	442.53	417.30	390.99		VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		V-THETA 1	
	V-THETA 2	511.17	548.23	559.60	511.48	475.95	468.93	485.14	495.21	506.79		V-THETA 2	
	V(PRI) 1	832.4	845.1	852.3	874.9	901.3	924.1	939.6	944.6	950.1		V(PRI) 1	
	V(PRI) 2	426.1	437.3	439.9	563.8	572.7	582.8	541.5	519.7	496.4		V(PRI) 2	
	VTHETA PRI	-0.730	-0.733	-0.733	-714.0	-749.8	-784.8	-811.1	-819.6	-828.7		VTHETA PRI	
	VTHETA PRI 2	-0.14	-132.1	-157.5	-149.9	-266.4	-304.4	-311.6	-309.3	-305.4		VTHETA PRI 2	
	U 1	870.05	879.76	887.25	713.96	745.78	784.79	811.10	809.60	828.71		U 1	
	U 2	872.54	880.31	883.06	711.33	742.38	773.42	736.69	804.46	812.22		U 2	
	M 1	0.4519	0.4592	0.4619	0.4625	0.4573	0.4456	0.4328	0.4283	0.4236		M 1	
	M 2	0.5543	0.6052	0.6216	0.5908	0.6133	0.6013	0.5751	0.5663	0.5582		M 2	
	M(PRI) 1	0.7610	0.7728	0.7390	0.8303	0.8240	0.8440	0.8573	0.8615	0.8662		M(PRI) 1	
	M(PRI) 2	0.3755	0.3843	0.4321	0.4495	0.5501	0.5129	0.4740	0.4542	0.4327		M(PRI) 2	
	TURN(PRI)	45.252	35.966	34.942	33.932	26.572	26.645	24.551	23.668	22.747		TURN(PRI)	
	UUBAR	0.3118	0.3061	0.2443	0.1576	0.1637	0.1761	0.2619	0.2968	0.3294		UUBAR	
	LCSS PARA	0.1215	0.1162	0.0932	0.0614	0.0630	0.0660	0.0999	0.1123	0.1234		LCSS PARA	
	DFAC	0.7770	0.7410	0.5703	0.5336	0.5939	0.5974	0.6624	0.6944	0.7286		DFAC	
	EFFP	0.8235	0.7630	0.4253	0.9181	0.8690	0.8602	0.7883	0.7699	0.7396		EFFP	
	EFF	0.9154	0.7537	0.4177	0.9142	0.8531	0.8538	0.7790	0.7600	0.7285		EFF	
	INCID	-2.057	-2.075	-2.037	-3.006	-4.376	-7.715	-10.502	-11.702	-13.129		INCID	
	DEVM	16.781	21.075	15.990	11.311	11.321	12.391	15.846	17.476	19.324		DEVM	
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694		P 1	
	P 2	20.460	19.660	19.920	20.470	20.140	23.180	19.900	19.820	19.770		P 2	
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700		T 1	
	T 2	581.800	578.400	578.320	575.070	575.350	576.340	578.970	579.620	581.700		T 2	
STATION 4	PCT SPAN	94.90	90.34	85.37	69.68	49.34	29.48	14.64	9.66	4.76		PCT SPAN	
	DIA	33.210	33.540	33.730	35.015	36.450	37.865	38.945	39.300	39.650		DIA	
STATION 2	BETA 2	55.400	52.750	49.840	44.140	43.210	43.360	47.630	45.880	52.350		BETA 2	
STATION 2A	BETA 2A	2.000	3.240	3.720	4.440	4.420	6.480	7.680	7.700	7.680		BETA 2A	
	V 2	742.45	688.73	724.77	734.53	695.38	683.33	656.88	647.80	640.27		V 2	
	V 2A	476.80	468.90	476.32	541.13	552.31	527.22	431.17	482.38	470.83		V 2A	
	VZ 2	421.62	413.39	463.35	527.07	586.09	496.63	442.53	417.30	390.99		VZ 2	
	VZ 2A	476.29	463.15	476.32	539.50	550.66	523.85	476.85	478.03	466.60		VZ 2A	
	V-THETA 2	611.17	548.23	559.60	511.48	475.93	468.98	485.14	495.21	506.79		V-THETA 2	
	V-THETA 2A	26.24	26.50	30.93	41.69	42.50	59.50	64.30	64.53	62.92		V-THETA 2A	
	M 2	0.6543	0.6052	0.6216	0.6308	0.6133	0.6013	0.5751	0.5663	0.5582		M 2	
	M 2A	0.4100	0.4042	0.4116	0.4704	0.4805	0.4573	0.4159	0.4158	0.4047		M 2A	
	TURN(PRI)	52.600	49.510	45.119	39.694	38.775	36.859	39.928	42.158	44.649		TURN(PRI)	
	UUBAR	0.1743	0.1626	0.1614	0.0874	0.0439	0.1126	0.1599	0.1659	0.1887		UUBAR	
	LCSS PARA	0.0717	0.0675	0.0594	0.0379	0.0198	0.0526	0.0766	0.0802	0.0921		LCSS PARA	
	DFAC	0.6843	0.6345	0.6231	0.5410	0.4358	0.5118	0.5794	0.5820	0.6085		DFAC	
	EFFP	0.6391	0.6010	0.7399	0.7422	0.8466	0.6564	0.5580	0.5768	0.5422		EFFP	
	INCID	1.590	0.880	-1.391	-3.346	-3.185	-5.410	-4.792	-4.062	-3.471		INCID	
	DEVM	19.280	18.830	18.340	16.960	16.090	19.000	21.800	22.650	23.630		DEVM	
	P 2	20.050	19.875	19.820	20.200	20.040	19.960	19.580	19.620	19.570		P 2	
	P 2A	19.230	19.135	19.135	19.700	19.340	19.492	19.992	19.010	18.896		P 2A	
	T 2	581.800	578.400	578.320	575.070	575.350	576.340	578.970	579.620	581.700		T 2	
	T 2A	581.800	578.400	578.320	575.070	575.350	576.340	578.970	579.620	581.700		T 2A	

Table B-1. . Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 109.93 EQUIVALENT ROTOR SPEED = 4628.00 CORRECTED WEIGHT FLOW = 109.76 PRESSURE RATIO =1.3180											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 0	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	429.56	429.56	429.56	429.56	429.56	429.56	429.56	429.56	429.56	V 0
	V 1	483.98	482.88	482.60	490.55	483.98	471.17	459.35	454.02	448.91	V 1
	VZ 0	429.56	429.56	429.56	429.56	429.56	429.56	429.56	429.56	429.56	VZ 0
	VZ 1	483.98	482.88	482.60	490.55	483.91	471.10	458.24	453.90	448.89	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3906	0.3906	0.3906	0.3906	0.3906	0.3906	0.3906	0.3906	0.3906	M 0
	M 1	0.4419	0.4409	0.4406	0.4482	0.4419	0.4298	0.4177	0.4136	0.4088	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.127	-0.124	-0.123	-0.142	-0.127	-0.097	-0.067	-0.057	-0.045	DFAC
	EFFP	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9999	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	BETA 2	58.810	55.800	52.050	44.430	43.340	43.880	50.060	52.650	54.940	BETA 2
	BETA(PR) 1	54.100	54.553	54.365	55.450	57.105	58.970	60.482	60.970	61.505	BETA(PR) 1
	BETA(PR) 2	6.035	17.497	19.780	21.811	26.050	31.372	35.667	38.131	42.540	BETA(PR) 2
	V 1	483.98	482.88	482.60	490.55	483.98	471.17	458.35	454.02	448.91	V 1
	V 2	737.30	675.96	675.98	720.09	711.22	681.63	647.86	631.66	602.43	V 2
	VZ 1	483.98	482.88	482.60	490.55	483.91	471.10	458.24	453.90	448.89	VZ 1
	VZ 2	381.63	379.95	410.17	514.16	517.13	491.13	415.79	383.11	345.97	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	630.72	559.07	536.19	504.03	463.00	472.30	496.57	501.99	493.00	V-THETA 2
	V(PR) 1	825.4	832.6	838.6	865.0	891.1	913.9	930.1	935.4	940.9	V(PR) 1
	V(PR) 2	384.0	393.4	444.4	553.9	575.8	575.5	512.0	487.3	469.8	V(PR) 2
	VTHETA PR1	-0.683	-0.763	-0.853	-1.124	-1.482	-1.831	-2.094	-2.178	-2.269	VTHETA PR1
	VTHETA PR2	-43.4	-119.8	-150.4	-203.3	-252.6	-299.5	-298.4	-300.7	-317.5	VTHETA PR2
	U 1	663.60	678.30	686.58	712.42	740.78	783.10	809.35	817.83	826.92	U 1
	U 2	671.09	678.84	686.58	709.80	740.78	771.75	794.98	802.73	810.46	U 2
	M 1	0.4419	0.4409	0.4406	0.4482	0.4419	0.4298	0.4177	0.4136	0.4088	M 1
	M 2	0.4497	0.5933	0.5960	0.6369	0.6206	0.5593	0.5658	0.5506	0.5223	M 2
	M(PR) 1	0.7536	0.7602	0.7656	0.7902	0.8136	0.8336	0.8476	0.8521	0.8568	M(PR) 1
	M(PR) 2	0.3383	0.3496	0.3908	0.4899	0.5065	0.5060	0.4472	0.4247	0.4073	M(PR) 2
	TURN(PR)	48.060	37.057	35.085	33.043	31.063	27.612	24.831	22.853	18.986	TURN(PR)
	UUBAR	0.3349	0.3235	0.2755	0.1394	0.1239	0.1487	0.2645	0.3039	0.3271	UUBAR
	LOSS PARA	0.1311	0.1229	0.1044	0.0539	0.0484	0.0575	0.1002	0.1126	0.1146	LOSS PARA
	DFAC	0.8362	0.7690	0.7277	0.6018	0.5906	0.6025	0.6962	0.7294	0.7474	DFAC
	EFFP	0.8485	0.7735	0.8076	0.9207	0.9281	0.8861	0.7907	0.7626	0.6947	EFFP
	EFF	0.6411	0.7639	0.7955	0.9169	0.9246	0.8806	0.7813	0.7522	0.6821	EFF
	INCID	-2.333	-1.067	-1.415	-2.250	-4.188	-8.884	-9.704	-10.927	-12.346	INCID
	DEVM	14.535	20.997	19.979	12.057	5.036	12.254	16.366	19.060	23.868	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	20.000	19.730	19.815	20.495	20.638	20.460	20.080	19.890	19.588	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	581.200	578.350	576.560	575.120	575.830	577.130	580.660	581.010	583.800	T 2
STATION 2A											
	PCT SPAN	94.96	90.34	84.57	69.68	49.56	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.315	36.450	37.385	38.345	39.300	39.650	DIA
STATION 2	BETA 2	58.810	55.800	52.050	44.430	43.340	43.880	50.060	52.650	54.940	BETA 2
STATION 2A	BETA 2A	2.160	2.420	3.050	4.940	5.300	6.320	7.250	7.390	7.450	BETA 2A
	V 2	737.30	675.96	679.96	720.09	711.22	681.63	647.86	631.66	602.43	V 2
	V 2A	449.80	441.32	453.29	512.17	547.37	516.35	465.64	469.61	459.77	V 2A
	VZ 2	381.63	379.95	410.17	514.16	517.13	491.13	415.79	383.11	345.97	VZ 2
	VZ 2A	449.80	440.62	457.64	510.27	545.52	513.22	461.92	466.01	455.89	VZ 2A
	V-THETA 2	630.72	559.07	536.19	504.03	463.00	472.30	496.57	501.99	493.00	V-THETA 2
	V-THETA 2A	18.95	18.62	24.38	44.10	50.61	56.84	58.76	60.44	59.61	V-THETA 2A
	M 2	0.6497	0.5933	0.5960	0.6369	0.6206	0.5593	0.5658	0.5506	0.5223	M 2
	M 2A	0.3863	0.3795	0.3554	0.4442	0.4702	0.4472	0.4005	0.4042	0.3942	M 2A
	TURN(PR)	56.650	53.380	46.999	39.484	38.325	37.539	42.788	45.239	47.469	TURN(PR)
	UUBAR	0.2956	0.1460	0.1488	0.0907	0.0450	0.1359	0.1623	0.1689	0.1897	UUBAR
	LOSS PARA	0.1218	0.0607	0.0626	0.0393	0.0203	0.0635	0.0778	0.0817	0.0926	LOSS PARA
	DFAC	0.7352	0.6308	0.6434	0.5673	0.5990	0.5307	0.6102	0.5935	0.5936	DFAC
	EFFP	0.6354	0.7992	0.8120	0.7476	0.7731	0.6437	0.5711	0.6374	0.6993	EFFP
	INCID	5.000	3.930	1.819	-2.750	-2.975	-4.890	-2.362	-1.291	-0.881	INCID
	DEVM	18.640	18.610	17.670	17.460	16.970	18.840	21.370	22.340	23.400	DEVM
	P 2	20.870	19.810	19.980	20.215	20.330	20.280	19.770	19.845	19.800	P 2
	P 2A	19.286	19.186	19.322	19.796	20.127	19.705	19.184	19.227	19.129	P 2A
	T 2	581.200	578.350	576.560	575.120	575.830	577.130	580.660	581.010	583.800	T 2
	T 2A	581.200	578.350	576.560	575.120	575.830	577.130	580.660	581.010	583.800	T 2A

Table B-1. Blade Element Performance, Unslotted
Rotor 4, Unslotted Stator 4 (Concluded)

PERCENT EQUIVALENT DESIGN SPEED = 110.00

EQUIVALENT ROTOR SPEED = 4631.00

CORRECTED WEIGHT FLOW = 106.44

PRESSURE RATIO = 1.3253

INLET											
	PCT SPAN	90.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	53.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	414.29	414.29	414.29	414.29	414.29	414.29	414.29	414.29	414.29	V 0
	V 1	461.94	464.08	465.22	472.43	469.76	455.32	441.98	437.56	434.35	V 1
	VZ 0	414.29	414.29	414.29	414.29	414.29	414.29	414.29	414.29	414.29	VZ 0
	VZ 1	461.94	464.08	465.22	472.42	469.69	455.25	441.87	437.85	434.33	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3763	0.3763	0.3763	0.3763	0.3763	0.3763	0.3763	0.3763	0.3763	M 0
	M 1	0.4211	0.4231	0.4242	0.4310	0.4284	0.4148	0.4023	0.3985	0.3951	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.115	-0.120	-0.123	-0.140	-0.134	-0.099	-0.067	-0.057	-0.048	DFAC
	EFFP	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	0.9999	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.0185	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PRI) 1	55.377	55.638	55.864	56.468	57.897	59.345	61.383	61.852	62.305	BETA(PRI) 1
	BETA(PRI) 2	5.882	17.762	21.992	21.914	26.466	30.878	36.509	39.951	43.212	BETA(PRI) 2
	V 1	461.94	464.08	465.22	472.43	469.76	455.32	441.98	437.56	434.35	V 1
	V 2	723.93	668.36	658.26	715.16	708.09	684.00	639.94	619.25	603.22	V 2
	VZ 1	461.94	464.08	465.22	472.42	469.69	455.25	441.87	437.85	434.33	VZ 1
	VZ 2	559.59	357.34	392.28	503.61	516.46	484.33	397.82	346.20	317.36	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	528.07	564.82	525.59	507.07	434.14	432.64	501.02	513.26	512.84	V-THETA 2
	V(PRI) 1	813.0	822.2	829.0	855.2	883.8	906.3	922.6	928.2	934.5	V(PRI) 1
	V(PRI) 2	362.6	375.2	423.1	542.9	577.2	564.6	495.2	451.8	435.6	V(PRI) 2
	VTHETA PRI	-669.0	-678.7	-686.2	-712.9	-748.7	-783.6	-809.9	-818.4	-827.5	VTHETA PRI
	VTHETA PRI 2	-43.5	-114.5	-158.4	-202.6	-257.1	-289.0	-294.5	-290.0	-298.1	VTHETA PRI 2
	U 1	669.04	678.74	686.21	712.89	748.65	783.61	809.88	818.36	827.46	U 1
	U 2	671.52	679.28	687.02	710.26	741.26	772.25	795.49	803.25	810.99	U 2
	M 1	0.4211	0.4231	0.4242	0.4310	0.4284	0.4148	0.4023	0.3985	0.3951	M 1
	M 2	0.6365	0.5859	0.5739	0.6320	0.6249	0.6014	0.5585	0.5387	0.5224	M 2
	M(PRI) 1	0.7411	0.7496	0.7559	0.7302	0.7361	0.8257	0.8397	0.8445	0.8501	M(PRI) 1
	M(PRI) 2	0.3185	0.3289	0.3708	0.4798	0.5093	0.4965	0.4322	0.3930	0.3772	M(PRI) 2
	TURN(PRI)	48.444	37.876	33.873	34.558	31.438	23.981	24.889	21.916	19.113	TURN(PRI)
	UUBAR	0.3440	0.3357	0.2862	0.1357	0.1059	0.1525	0.2740	0.3263	0.3462	UUBAR
	LOSS PARA	0.1344	0.1273	0.1069	0.0524	0.0412	0.0593	0.1027	0.1178	0.1199	LOSS PARA
	DFAC	0.8537	0.8173	0.7466	0.6119	0.5633	0.6164	0.7143	0.7712	0.7922	DFAC
	EFFP	0.8335	0.7752	0.7714	0.9300	0.9364	0.9053	0.7973	0.7556	0.7035	EFFP
	EFF	0.6254	0.7056	0.7618	0.9266	0.9332	0.9007	0.7881	0.7449	0.6908	EFF
	INCID	-1.053	-0.582	-0.416	-1.232	-3.397	-6.009	-8.803	-10.044	-11.546	INCID
	DEVM	15.382	21.262	22.192	12.160	10.055	11.760	17.208	20.880	24.540	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	20.500	19.760	19.670	20.500	20.730	20.620	20.110	19.920	19.780	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	582.100	578.750	577.870	575.430	576.130	577.240	580.430	581.950	585.250	T 2
STATOR 4											
	PCT SPAN	94.90	90.34	84.37	69.63	49.53	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.835	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	0.0180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA 2A	2.590	2.820	3.360	5.730	6.520	6.970	7.200	7.440	7.700	BETA 2A
	V 2	723.93	668.36	658.26	715.16	708.09	684.00	639.94	619.25	603.22	V 2
	V 2A	430.89	431.73	444.62	493.90	535.00	478.77	458.53	460.65	451.66	V 2A
	VZ 2	559.59	357.34	392.28	503.61	516.46	484.33	397.82	346.20	317.36	VZ 2
	VZ 2A	430.45	431.20	443.86	491.44	531.54	495.03	454.92	456.78	447.59	VZ 2A
	V-THETA 2	628.07	564.82	528.59	507.07	434.14	482.64	501.02	513.26	512.84	V-THETA 2
	V-THETA 2A	19.47	21.24	25.06	49.31	60.75	60.52	57.47	59.65	60.52	V-THETA 2A
	M 2	0.6365	0.5859	0.5769	0.6320	0.6249	0.6014	0.5585	0.5387	0.5224	M 2
	M 2A	0.3693	0.3711	0.3628	0.4277	0.4644	0.4313	0.3943	0.3956	0.3865	M 2A
	TURN(PRI)	57.590	54.860	50.059	39.494	36.815	37.910	44.328	48.539	50.530	TURN(PRI)
	UUBAR	0.1653	0.1544	0.1483	0.0969	0.0509	0.1420	0.1593	0.1783	0.1789	UUBAR
	LOSS PARA	0.0681	0.0642	0.0624	0.0410	0.0229	0.0660	0.0764	0.0769	0.0870	LOSS PARA
	DFAC	0.7515	0.6930	0.6464	0.5886	0.5161	0.5026	0.6208	0.6160	0.6231	DFAC
	EFFP	0.6524	0.8173	0.8732	0.7313	0.7922	0.6502	0.6409	0.6943	0.6732	EFFP
	INCID	6.370	5.810	3.169	-1.956	-3.165	-3.870	-0.871	2.060	2.430	INCID
	DEVM	19.070	18.410	17.980	18.250	18.190	19.490	21.320	22.390	23.650	DEVM
	P 2	20.050	19.950	20.000	20.250	20.470	20.600	19.955	19.955	19.865	P 2
	P 2A	19.323	19.290	19.362	19.822	20.239	19.796	19.368	19.382	19.251	P 2A
	T 2	582.000	578.750	577.670	575.430	576.130	577.240	580.430	581.950	585.250	T 2
	T 2A	582.000	578.750	577.670	575.430	576.130	577.240	580.430	581.950	585.250	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4

PERCENT EQUIVALENT DESIGN SPEED = 69.95 EQUIVALENT ROTOR SPEED = 2945.00 CORRECTED WEIGHT FLOW = 92.11 PRESSURE RATIO = 1.0671											
INLET											
STATION C	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 1	V 0	351.33	351.33	351.33	351.33	351.33	351.33	351.33	351.33	351.33	V 0
	V 1	396.58	397.30	397.46	395.83	390.42	386.44	381.42	379.22	376.84	V 1
STATION 1	VZ 0	351.33	351.33	351.33	351.33	351.33	351.33	351.33	351.33	351.33	VZ 0
	VZ 1	396.58	397.30	397.46	395.83	390.42	386.44	381.42	379.22	376.84	VZ 1
STATION 1	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
STATION 1	M 0	0.3179	0.3179	0.3179	0.3179	0.3179	0.3179	0.3179	0.3179	0.3179	M 0
	M 1	0.3602	0.3605	0.3608	0.3591	0.3541	0.3504	0.3457	0.3437	0.3415	M 1
STATION 1	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
STATION 1	DFAC	-0.130	-0.131	-0.131	-0.127	-0.111	-0.100	-0.086	-0.079	-0.073	DFAC
	EFFP	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	1.0000	0.9996	EFFP
STATION 1	INCIO	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCIO
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
STATION 1	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
STATION 1	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.050	35.150	36.664	38.213	39.368	39.752	40.135	DIA
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	40.250	35.500	32.290	29.330	27.040	27.220	27.240	23.660	31.420	BETA 2
STATION 2	BETA(PR) 1	40.983	47.372	47.572	48.375	50.050	52.211	53.483	53.927	54.393	BETA(PR) 1
	BETA(PR) 2	14.192	15.952	18.355	24.514	27.044	34.482	37.416	38.885	41.532	BETA(PR) 2
STATION 2	V 1	396.98	397.30	397.46	395.83	390.42	386.44	381.42	379.22	376.84	V 1
	V 2	508.91	531.08	530.30	511.03	518.31	460.02	444.85	430.50	404.04	V 2
STATION 2	VZ 1	396.98	397.30	397.46	395.83	390.42	386.44	381.42	379.22	376.84	VZ 1
	VZ 2	388.42	432.36	453.35	446.76	461.74	408.84	395.28	377.53	344.60	VZ 2
STATION 2	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	325.82	308.40	286.49	247.95	235.67	210.30	203.49	206.35	210.51	V-THETA 2
STATION 2	V(PR) 1	581.5	586.6	590.3	601.8	615.7	630.0	640.9	643.9	647.2	V(PR) 1
	V(PR) 2	400.0	449.7	477.7	491.1	513.0	496.2	477.9	485.2	460.5	V(PR) 2
STATION 2	VTHETA PR1	-425.5	-431.6	-436.4	-453.3	-470.1	-498.3	-515.0	-520.4	-526.2	VTHETA PR1
	VTHETA PR2	-96.2	-123.6	-150.4	-203.7	-235.7	-280.8	-332.4	-304.5	-305.2	VTHETA PR2
STATION 2	U 1	425.46	431.63	436.39	453.35	476.09	498.32	515.03	520.42	526.21	U 1
	U 2	427.04	431.93	436.90	451.68	471.39	491.10	505.86	510.81	515.73	U 2
STATION 2	M 1	0.3602	0.3605	0.3608	0.3591	0.3541	0.3504	0.3457	0.3437	0.3415	M 1
	M 2	0.4550	0.4771	0.4819	0.4588	0.4662	0.4118	0.3980	0.3849	0.3604	M 2
STATION 2	M(PR) 1	0.5230	0.5323	0.5356	0.5460	0.5534	0.5718	0.5809	0.5836	0.5865	M(PR) 1
	M(PR) 2	0.3567	0.4040	0.4292	0.4409	0.4662	0.4443	0.4455	0.4338	0.4108	M(PR) 2
STATION 2	TURN(PR)	32.792	31.420	29.318	24.365	23.614	17.743	16.082	15.057	12.881	TURN(PR)
	UUBAR	0.3187	0.1927	0.1220	0.0949	0.0491	0.1631	0.1860	0.2283	0.2965	UUBAR
STATION 2	LOSS PARA	0.1216	0.0736	0.0466	0.0360	0.0319	0.0609	0.0689	0.0837	0.1055	LOSS PARA
	DFAC	0.3344	0.4429	0.3884	0.3552	0.3232	0.3630	0.3698	0.3960	0.4415	DFAC
STATION 2	EFFP	0.6676	0.6283	0.6448	0.6290	0.6141	0.6275	0.6405	0.5905	0.6691	EFFP
	EFF	0.6630	0.6261	0.6422	0.6263	0.6127	0.6687	0.6307	0.5865	0.6468	EFF
STATION 2	INCIO	-9.447	-8.348	-8.008	-8.325	-10.044	-13.643	-16.703	-17.970	-17.458	INCIO
	DEVM	22.032	19.452	18.554	14.759	10.033	15.363	13.115	15.813	22.861	DEVM
STATION 2	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.203	13.440	18.701	18.337	16.495	15.335	15.836	15.728	15.539	P 2
STATION 2	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	540.860	539.170	539.450	538.000	537.350	536.880	536.310	536.050	536.670	T 2
SLOTTED											
STATION 4	PCT SPAN	94.96	90.34	84.67	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.710	33.540	33.990	35.010	36.450	37.995	38.745	39.300	39.650	DIA
STATION 2	BETA 2	40.250	35.500	32.290	29.330	27.040	27.220	27.240	23.660	31.420	BETA 2
	BETA 2A	8.680	7.620	6.630	4.210	4.100	5.300	7.100	8.565	8.970	BETA 2A
STATION 2A	V 2	508.91	531.08	530.30	511.03	518.31	460.02	444.85	430.50	404.04	V 2
	V 2A	454.98	441.16	443.15	459.80	475.95	437.15	434.27	391.00	376.39	V 2A
STATION 2A	VZ 2	388.42	432.36	453.35	446.76	461.74	408.84	395.28	377.53	344.60	VZ 2
	VZ 2A	449.77	437.26	440.18	458.62	475.73	435.28	405.14	386.64	371.79	VZ 2A
STATION 2A	V-THETA 2	326.82	308.40	286.49	247.95	235.67	210.30	203.49	206.35	210.51	V-THETA 2
	V-THETA 2A	68.66	58.50	31.16	33.75	34.10	40.36	50.46	58.23	58.69	V-THETA 2A
STATION 2A	M 2	0.4550	0.4771	0.4819	0.4588	0.4662	0.4118	0.3980	0.3849	0.3604	M 2
	M 2A	0.4056	0.3935	0.3953	0.4112	0.4273	0.3507	0.3644	0.3387	0.3352	M 2A
STATION 2A	TURN(PR)	31.570	27.880	25.659	24.015	22.928	21.903	20.122	20.076	22.430	TURN(PR)
	UUBAR	0.1692	0.1936	0.1837	0.1075	0.0907	0.0937	0.0740	0.1560	0.1520	UUBAR
STATION 2A	LOSS PARA	0.0688	0.0798	0.0768	0.0665	0.0409	0.0439	0.0354	0.0752	0.0738	LOSS PARA
	DFAC	0.3168	0.3655	0.3588	0.3237	0.2508	0.2245	0.2505	0.2613	0.2553	DFAC
STATION 2A	EFFP	0.6433	0.6293	0.6298	0.6353	0.6250	0.6176	0.6040	0.6116	0.6093	EFFP
	INCIO	-13.560	-15.370	-17.941	-18.155	-17.272	-21.547	-25.178	-25.278	-24.399	INCIO
STATION 2A	DEVM	25.160	23.210	21.250	16.730	15.770	17.620	21.220	23.515	24.920	DEVM
	P 2	16.440	16.350	16.330	16.280	16.370	15.950	15.670	15.580	15.580	P 2
STATION 2A	P 2A	16.030	15.908	15.916	16.050	16.171	15.764	15.561	15.449	15.371	P 2A
	T 2	540.860	539.170	539.450	538.000	537.350	536.880	536.310	536.050	536.670	T 2
	T 2A	540.860	539.170	539.450	538.000	537.350	536.880	536.310	536.050	536.670	T 2A

Table B-2. Blade Element Performance, Slotted Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.86 EQUIVALENT ROTOR SPEED = 2941.00 CORRECTED WEIGHT FLOW = 87.78 PRESSURE RATIO = 1.0929

INLET		PCT SPAN	98.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION C STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.060	40.500	40.950	DIA	
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	V 0	333.12	333.12	333.12	333.12	333.12	333.12	333.12	333.12	333.12	V 0	
	V 1	369.81	372.56	373.25	375.31	372.39	363.52	356.21	356.42	349.93	V 1	
	VZ 0	333.12	333.12	333.12	333.12	333.12	333.12	333.12	333.12	333.12	VZ 0	
	VZ 1	369.81	372.56	373.25	375.30	372.54	363.47	358.12	356.33	349.91	VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	M 0	0.3011	0.3011	0.3011	0.3011	0.3011	0.3011	0.3011	0.3011	0.3011	M 0	
	M 1	0.3349	0.3375	0.3381	0.3400	0.3373	0.3291	0.3242	0.3226	0.3166	M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR	
	DFAC	-0.110	-0.118	-0.120	-0.127	-0.118	-0.091	-0.075	-0.070	-0.050	DFAC	
	EFFP	1.0000	0.9999	1.0000	1.0000	0.9999	1.0001	1.0000	0.9995	0.9996	EFFP	
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH	
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
SLOTTED		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	5.02	PCT SPAN	
STATION 1	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
STATION 2	BETA 2	44.000	46.550	46.980	32.670	31.040	30.840	33.040	33.620	37.750	BETA 2	
	BETA(PR) 1	43.905	49.162	49.420	50.342	51.934	53.857	55.151	55.565	56.342	BETA(PR) 1	
STATION 2	BETA(PR) 2	12.746	15.152	17.534	21.780	26.081	32.663	37.392	38.869	41.552	BETA(PR) 2	
	V 1	369.81	372.56	373.25	375.31	372.39	363.52	356.21	356.42	349.93	V 1	
STATION 2	V 2	462.50	504.03	510.94	513.62	503.65	459.75	426.21	412.39	392.43	V 2	
	VZ 1	369.81	372.56	373.25	375.30	372.54	363.47	358.12	356.33	349.91	VZ 1	
STATION 2	VZ 2	348.98	362.98	408.16	431.33	431.37	394.53	357.09	335.06	310.14	VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
STATION 2	V-THETA 2	347.52	327.68	307.35	278.72	259.60	235.56	232.25	240.06	240.14	V-THETA 2	
	V(PR) 1	563.3	509.7	573.8	588.1	603.9	616.3	626.8	630.2	631.3	V(PR) 1	
STATION 2	V(PR) 2	357.8	396.8	420.1	460.6	480.5	469.9	449.7	430.5	414.6	V(PR) 2	
	VTHETA PR1	-424.9	-431.0	-435.8	-452.7	-475.4	-497.6	-514.3	-519.7	-525.5	VTHETA PR1	
STATION 2	VTHETA PR2	-78.9	-103.7	-129.0	-172.3	-211.1	-254.9	-272.9	-270.1	-274.9	VTHETA PR2	
	U 1	424.85	431.04	436.31	451.06	470.75	490.43	505.19	510.12	515.03	U 1	
STATION 2	U 2	426.46	431.39	436.31	451.06	470.75	490.43	505.19	510.12	515.03	U 2	
	M 1	0.3349	0.3375	0.3381	0.3400	0.3373	0.3291	0.3242	0.3226	0.3166	M 1	
STATION 2	M 2	0.4394	0.4506	0.4574	0.4603	0.4514	0.4108	0.3799	0.3673	0.3489	M 2	
	M(PR) 1	0.5102	0.5161	0.5198	0.5320	0.5471	0.5580	0.5673	0.5703	0.5712	M(PR) 1	
STATION 2	M(PR) 2	0.3192	0.3547	0.3632	0.4163	0.4306	0.4199	0.4009	0.3835	0.3686	M(PR) 2	
	TURN(PR)	36.218	34.010	31.886	28.565	25.801	21.008	17.773	16.710	14.810	TURN(PR)	
STATION 2	UUBAR	0.3137	0.2249	0.1491	0.0638	0.0422	0.1125	0.1941	0.2493	0.2971	UUBAR	
	LOSS PARA	0.1234	0.0865	0.0573	0.0247	0.0169	0.0428	0.0719	0.0914	0.1057	LOSS PARA	
STATION 2	DFAC	0.0081	0.5427	0.4699	0.4070	0.3903	0.4093	0.4538	0.4945	0.5223	DFAC	
	EFFP	0.6854	0.7689	0.8272	0.8972	0.9296	0.7873	0.6779	0.6311	0.5499	EFFP	
STATION 2	EFF	0.6844	0.7650	0.8242	0.8953	0.9283	0.7841	0.6738	0.6267	0.5451	EFF	
	INCID	-7.405	-7.058	-6.860	-7.356	-9.360	-11.997	-15.036	-16.332	-17.510	INCID	
STATION 2	DEVH	21.246	16.552	17.734	12.026	9.669	13.744	16.091	19.797	22.880	DEVH	
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1	
STATION 2	P 2	16.400	16.522	16.602	16.080	16.851	16.332	16.084	15.982	15.840	P 2	
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
STATION 2	T 2	542.970	541.000	541.040	540.130	539.320	538.980	538.840	538.810	539.340	T 2	
STATION 4	PCT SPAN	94.70	90.34	84.67	69.63	49.50	29.48	14.64	9.66	4.76	PCT SPAN	
	DIA	33.210	33.340	33.930	35.015	36.450	37.885	39.945	39.300	39.650	DIA	
STATION 2A	BETA 2	44.040	46.550	46.980	32.370	31.040	30.840	33.040	35.620	37.750	BETA 2	
	BETA 2A	7.020	0.550	5.080	4.020	4.770	5.230	5.970	6.960	7.430	BETA 2A	
STATION 2A	V 2	492.50	504.03	510.94	513.62	503.65	459.75	426.21	412.39	392.43	V 2	
	V 2A	413.93	397.93	399.80	425.90	450.31	415.60	376.86	362.80	347.98	V 2A	
STATION 2A	VZ 2	348.98	382.90	408.16	431.33	431.37	394.53	357.09	335.06	310.14	VZ 2	
	VZ 2A	410.98	395.23	397.69	424.52	448.75	413.87	374.82	360.13	345.06	VZ 2A	
STATION 2A	V-THETA 2	347.52	327.68	307.35	278.72	259.60	235.56	232.25	240.06	240.14	V-THETA 2	
	V-THETA 2A	50.00	45.38	39.57	34.30	37.45	37.88	39.20	43.96	45.00	V-THETA 2A	
STATION 2A	M 2	0.4394	0.4506	0.4574	0.4603	0.4514	0.4108	0.3799	0.3673	0.3489	M 2	
	M 2A	0.3073	0.3530	0.3551	0.3792	0.4019	0.3702	0.3349	0.3221	0.3046	M 2A	
STATION 2A	TURN(PR)	37.800	34.000	31.299	28.445	26.257	25.592	27.050	28.639	30.299	TURN(PR)	
	UUBAR	0.1669	0.1826	0.1761	0.1129	0.0601	0.0746	0.0591	0.0880	0.1177	UUBAR	
STATION 2A	LOSS PARA	0.0682	0.0755	0.0738	0.0489	0.0271	0.0349	0.0284	0.0425	0.0573	LOSS PARA	
	DFAC	0.4061	0.4442	0.4334	0.3781	0.3963	0.2994	0.3364	0.3541	0.3602	DFAC	
STATION 2A	EFFP	0.8108	0.5555	0.5208	0.5047	0.6616	0.6661	0.5993	0.6251	0.7211	EFFP	
	INCID	-6.950	-11.320	-13.251	-14.315	-15.273	-17.928	-15.380	-18.321	-18.071	INCID	
STATION 2A	DEVH	23.500	22.140	20.500	17.140	16.440	17.750	20.090	21.910	23.380	DEVH	
	P 21	16.670	16.530	16.540	16.600	16.650	16.350	16.030	15.980	15.920	P 21	
STATION 2A	P 2A	16.286	16.130	16.160	16.355	16.521	16.215	15.943	15.855	15.760	P 2A	
	T 2	542.970	541.000	541.040	540.130	539.320	538.980	538.840	538.810	539.340	T 2	
STATION 2A	T 2A	542.970	541.000	541.040	540.130	539.320	538.980	538.840	538.810	539.340	T 2A	

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.26 EQUIVALENT ROTOR SPEED = 2916.00 CORRECTED WEIGHT FLOW = 82.58 PRESSURE RATIO = 1.1083											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	80.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	311.64	311.64	311.64	311.64	311.64	311.64	311.64	311.64	311.64	V 0
	V 1	346.27	349.39	349.75	349.75	346.83	338.48	334.90	333.76	331.29	V 1
	VZ 0	311.64	311.64	311.64	311.64	311.64	311.64	311.64	311.64	311.64	VZ 0
	VZ 1	346.27	349.39	349.75	349.74	346.78	338.43	334.83	333.68	331.27	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	0.2814	M 0
	M 1	0.3132	0.3161	0.3164	0.3164	0.3137	0.3060	0.3027	0.3017	0.2994	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.111	-0.121	-0.122	-0.122	-0.113	-0.096	-0.075	-0.071	-0.063	DFAC
	EFFP	1.0000	0.9999	0.9999	0.9999	1.0000	0.9997	1.0001	1.0000	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.451	36.884	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PRI) 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA(PRI) 1
	BETA(PRI) 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA(PRI) 2
	V 1	346.27	349.39	349.75	349.75	346.83	338.48	334.90	333.76	331.29	V 1
	V 2	484.08	471.53	482.49	501.55	491.00	458.83	410.99	391.83	377.91	V 2
	VZ 1	346.27	349.39	349.75	349.74	346.78	338.43	334.83	333.68	331.27	VZ 1
	VZ 2	484.08	471.53	482.49	501.55	491.00	458.83	410.99	391.83	377.91	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 2
	VIPRI 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	VIPRI 1
	VIPRI 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	VIPRI 2
	VTHETA PRI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	VTHETA PRI
	VTHETA PR2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	VTHETA PR2
	U 1	421.27	427.38	432.09	448.88	471.40	493.42	509.96	515.30	521.03	U 1
	U 2	422.44	427.72	432.60	447.23	466.75	486.26	500.90	505.78	510.66	U 2
	M 1	0.3132	0.3161	0.3164	0.3164	0.3137	0.3060	0.3027	0.3017	0.2994	M 1
	M 2	0.4320	0.4212	0.4311	0.4492	0.4392	0.4098	0.3659	0.3483	0.3354	M 2
	M(PRI) 1	0.4320	0.4212	0.4311	0.4492	0.4392	0.4098	0.3659	0.3483	0.3354	M(PRI) 1
	M(PRI) 2	0.4320	0.4212	0.4311	0.4492	0.4392	0.4098	0.3659	0.3483	0.3354	M(PRI) 2
	TURN(PRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TURN(PRI)
	UUBAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	UUBAR
	LOSS PARA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LOSS PARA
	DFAC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DFAC
	EFFP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EFFP
	EFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EFF
	INCID	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INCID
	DEVH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.090	540.160	540.670	539.750	540.110	539.200	539.150	539.560	540.160	T 2
SLOTTED											
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.37	69.68	49.53	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.365	38.945	39.300	39.650	DIA
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA 2A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2A
	V 2	484.08	471.53	482.49	501.55	491.00	458.83	410.99	391.83	377.91	V 2
	V 2A	346.27	349.39	349.75	349.75	346.83	338.48	334.90	333.76	331.29	V 2A
	VZ 2	484.08	471.53	482.49	501.55	491.00	458.83	410.99	391.83	377.91	VZ 2
	VZ 2A	346.27	349.39	349.75	349.75	346.83	338.48	334.90	333.76	331.29	VZ 2A
	V-THETA 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 2
	V-THETA 2A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 2A
	M 2	0.4320	0.4212	0.4311	0.4492	0.4392	0.4098	0.3659	0.3483	0.3354	M 2
	M 2A	0.4320	0.4212	0.4311	0.4492	0.4392	0.4098	0.3659	0.3483	0.3354	M 2A
	TURN(PRI)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TURN(PRI)
	UUBAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	UUBAR
	LOSS PARA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	LOSS PARA
	DFAC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DFAC
	EFFP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	EFFP
	INCID	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	INCID
	DEVH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DEVH
	P 2	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2
	P 2A	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2A
	T 2	542.090	540.160	540.670	539.750	540.110	539.200	539.150	539.560	540.160	T 2
	T 2A	542.090	540.160	540.670	539.750	540.110	539.200	539.150	539.560	540.160	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.90

EQUIVALENT ROTOR SPEED = 2943.00

CORRECTED WEIGHT FLOW = 78.83

PRESSURE RATIO = 1.1240

INLET		PCT SPAN	90.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION C STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	296.40	296.40	296.40	296.40	296.40	296.40	296.40	296.40	296.40	296.40	V 0
	V 1	326.09	329.37	330.52	331.48	327.63	322.19	315.25	314.66	304.68	304.68	V 1
	VZ 0	296.40	296.40	296.40	296.40	296.40	296.40	296.40	296.40	296.40	296.40	VZ 0
	VZ 1	326.09	329.37	330.52	331.47	327.59	322.14	315.18	314.58	304.67	304.67	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	0.2674	M 0
	M 1	0.2846	0.2970	0.2987	0.2996	0.2960	0.2910	0.2847	0.2841	0.2750	0.2750	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.100	-0.111	-0.115	-0.116	-0.105	-0.087	-0.064	-0.062	-0.028	-0.028	DFAC
	EFFP	0.9998	0.9990	0.9998	0.9998	0.9999	0.9999	0.9995	0.9999	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED ROTOR 4		PCT SPAN	90.90	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	53.600	51.030	46.950	38.250	37.020	37.290	41.350	45.260	49.000	49.000	BETA 2
	BETA(PRI) 1	52.514	52.035	52.841	53.808	55.451	57.102	58.518	58.831	59.913	59.913	BETA(PRI) 1
	BETA(PRI) 2	7.604	15.333	16.825	19.725	24.930	30.125	36.406	38.440	39.992	39.992	BETA(PRI) 2
	V 1	326.09	329.37	330.52	331.48	327.63	322.19	315.25	314.66	304.68	304.68	V 1
	V 2	431.40	424.44	405.87	501.21	484.19	459.54	416.52	402.41	395.04	395.04	V 2
	VZ 1	326.09	329.37	330.52	331.47	327.59	322.14	315.18	314.58	304.67	304.67	VZ 1
	VZ 2	283.78	285.81	318.02	393.56	385.46	365.76	312.54	283.15	259.09	259.09	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	338.87	353.32	340.44	310.20	291.43	278.53	275.06	285.73	298.05	298.05	V-THETA 2
	V(PRI) 1	535.6	542.7	547.2	501.4	577.7	593.1	603.6	607.9	607.7	607.7	V(PRI) 1
	V(PRI) 2	236.3	296.4	332.2	419.2	426.4	423.1	388.5	361.7	338.3	338.3	V(PRI) 2
	VTHETA PRI	-425.2	-431.3	-430.1	-453.0	-475.8	-498.6	-514.7	-520.1	-525.8	-525.8	VTHETA PRI
	VTHETA PR2	-37.5	-78.4	-96.2	-141.1	-179.6	-212.2	-230.5	-224.7	-217.3	-217.3	VTHETA PR2
	U 1	425.17	431.34	436.09	453.04	475.77	497.98	514.68	520.07	525.85	525.85	U 1
	U 2	426.75	431.66	436.60	451.37	471.07	490.77	505.53	510.47	515.38	515.38	U 2
	M 1	0.2946	0.2976	0.2987	0.2996	0.2960	0.2910	0.2847	0.2841	0.2750	0.2750	M 1
	M 2	0.4207	0.4344	0.4149	0.4477	0.4321	0.4100	0.3699	0.3569	0.3500	0.3500	M 2
	M(PRI) 1	0.4941	0.4904	0.4945	0.5073	0.5220	0.5358	0.5450	0.5489	0.5485	0.5485	M(PRI) 1
	M(PRI) 2	0.2350	0.2037	0.2959	0.3737	0.3605	0.3771	0.3451	0.3208	0.2997	0.2997	M(PRI) 2
	TURN(PRI)	44.909	37.301	36.016	34.086	30.528	26.990	22.127	20.407	19.941	19.941	TURN(PRI)
	UUBAR	0.3359	0.3236	0.2529	0.0501	0.0334	0.0696	0.1796	0.2433	0.2984	0.2984	UUBAR
	LOSS PARA	0.1311	0.1243	0.0975	0.0190	0.0132	0.0273	0.0674	0.0897	0.1087	0.1087	LOSS PARA
	DFAC	0.7115	0.7135	0.6435	0.4848	0.4831	0.4577	0.3569	0.6243	0.6741	0.6741	DFAC
	EFFP	0.7835	0.7388	0.7733	0.9409	0.9401	0.9188	0.7744	0.7259	0.6878	0.6878	EFFP
	EFF	0.7792	0.7345	0.7693	0.9476	0.9389	0.9172	0.7706	0.7215	0.6828	0.6828	EFF
	INCID	-3.916	-3.585	-3.439	-3.092	-5.643	-8.752	-11.668	-13.065	-13.939	-13.939	INCID
	DEVH	15.104	18.833	17.024	9.972	3.519	11.008	17.105	19.368	21.320	21.320	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	15.750	16.520	16.625	17.300	16.990	16.865	16.555	16.465	16.425	16.425	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	544.030	542.735	542.910	541.975	542.100	541.410	542.030	542.460	543.260	543.260	T 2
SLOTTED STATOR 4		PCT SPAN	94.96	90.34	84.87	69.66	49.58	29.46	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.930	35.015	36.490	37.885	38.945	39.300	39.650	39.650	DIA
	BETA 2	53.360	51.030	46.950	38.250	37.020	37.290	41.350	45.260	49.000	49.000	BETA 2
	BETA 2A	5.710	5.480	5.270	4.970	4.820	5.110	6.430	6.710	7.810	7.810	BETA 2A
	V 2	481.43	454.44	405.87	501.21	484.19	459.54	416.52	402.41	395.04	395.04	V 2
	V 2A	330.89	320.42	320.83	375.22	375.75	369.85	341.10	319.82	305.60	305.60	V 2A
	VZ 2	233.78	285.81	318.02	393.56	386.46	365.76	312.54	283.15	259.09	259.09	VZ 2
	VZ 2A	335.22	318.96	319.47	373.81	394.35	367.75	339.02	317.63	302.76	302.76	VZ 2A
	V-THETA 2	304.87	353.32	340.44	310.20	291.43	278.53	275.06	285.73	298.05	298.05	V-THETA 2
	V-THETA 2A	33.52	30.60	29.47	32.51	33.25	39.37	38.21	37.37	41.53	41.53	V-THETA 2A
	M 2	0.4287	0.4044	0.4149	0.4479	0.4321	0.4100	0.3699	0.3569	0.3500	0.3500	M 2
	M 2A	0.2972	0.2828	0.2831	0.3324	0.3510	0.3277	0.3017	0.2824	0.2694	0.2694	M 2A
	TURN(PRI)	48.170	45.550	41.679	33.274	32.106	31.160	34.898	38.528	41.168	41.168	TURN(PRI)
	UUBAR	0.1321	0.1278	0.1233	0.0726	0.0355	0.0919	0.0483	0.1136	0.1418	0.1418	UUBAR
	LOSS PARA	0.0542	0.0529	0.0516	0.0314	0.0160	0.0429	0.0232	0.0549	0.0691	0.0691	LOSS PARA
	DFAC	0.6046	0.5910	0.5928	0.4928	0.4249	0.4418	0.4578	0.5085	0.5486	0.5486	DFAC
	EFFP	0.8134	0.7278	0.8343	0.7745	0.8742	0.7360	0.8516	0.7968	0.7466	0.7466	EFFP
	INCID	-0.370	-0.340	-3.281	-8.936	-9.294	-11.480	-11.072	-8.682	-6.822	-6.822	INCID
	DEVH	22.190	21.070	19.890	17.490	16.490	18.030	20.550	21.660	23.760	23.760	DEVH
	P 2	16.820	16.700	16.690	16.920	16.850	16.850	16.550	16.480	16.480	16.480	P 2
	P 2A	16.548	16.452	16.453	16.707	16.398	16.632	16.478	16.356	16.283	16.283	P 2A
	T 2	544.080	542.735	542.910	541.975	542.100	541.410	542.030	542.460	543.260	543.260	T 2
	T 2A	544.080	542.735	542.910	541.975	542.100	541.410	542.030	542.460	543.260	543.260	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.48 (EQUIVALENT ROTOR SPEED = 2925.00 CORRECTED WEIGHT FLOW = 74.37 PRESSURE RATIO = 1.1313

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	6.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA	
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	V 0	278.50	273.50	278.50	278.50	278.50	278.50	278.50	278.50	278.50	V 0	
	V 1	304.49	305.71	307.57	310.62	306.13	300.33	292.06	290.99	289.69	V 1	
	VZ 0	273.50	278.50	278.50	278.50	278.50	278.50	278.50	278.50	278.50	VZ 0	
	VZ 1	304.45	305.71	307.57	310.62	306.09	300.23	291.99	290.91	289.68	VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	M 0	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	0.2510	M 0	
	M 1	0.2748	0.2759	0.2776	0.2804	0.2763	0.2713	0.2634	0.2624	0.2613	M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR	
	DFAC	-0.093	-0.098	-0.104	-0.115	-0.099	-0.078	-0.049	-0.045	-0.040	DFAC	
	EFFP	1.0001	0.9996	0.9999	1.0000	0.9999	0.9997	0.9997	0.9998	1.0000	EFFP	
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH	
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
SLOTTED ROTOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.000	35.150	36.084	38.218	39.368	39.752	40.135	DIA	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	BETA 2	57.180	55.920	50.700	40.780	39.310	40.150	44.430	48.030	50.720	BETA 2	
	BETA(PRI) 1	54.225	54.307	54.640	55.400	57.085	58.755	60.282	60.629	61.002	BETA(PRI) 1	
	BETA(PRI) 2	4.545	14.912	16.466	19.248	24.968	29.193	38.209	39.174	37.811	BETA(PRI) 2	
	V 1	304.45	305.71	307.57	310.62	306.13	300.33	292.06	290.99	289.69	V 1	
	V 2	480.09	438.93	451.53	488.98	471.26	455.26	398.24	393.91	404.94	V 2	
	VZ 1	304.45	305.71	307.57	310.62	306.09	300.28	291.99	290.91	289.68	VZ 1	
	VZ 2	260.21	245.95	285.99	370.22	364.52	347.83	284.27	263.34	256.29	VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	V-THETA 2	403.46	363.54	349.41	319.34	238.46	293.42	278.67	292.77	313.35	V-THETA 2	
	V(PRI) 1	520.8	526.5	531.5	547.0	563.3	578.9	589.0	593.2	597.6	V(PRI) 1	
	V(PRI) 2	261.0	254.5	298.2	392.2	402.3	398.7	362.0	339.8	324.6	V(PRI) 2	
	VTHETA PRI	-422.6	-428.7	-433.4	-450.3	-472.9	-494.9	-511.5	-518.9	-522.6	VTHETA PRI	
	VTHETA PR2	-20.7	-65.5	-64.5	-129.3	-169.7	-194.3	-223.8	-214.6	-198.9	VTHETA PR2	
	U 1	422.57	428.70	433.42	450.27	472.86	494.94	511.53	516.89	522.63	U 1	
	U 2	424.14	429.04	433.93	448.61	468.19	487.77	502.44	507.34	512.23	U 2	
	M 1	0.2748	0.2759	0.2776	0.2804	0.2763	0.2710	0.2634	0.2624	0.2613	M 1	
	M 2	0.4273	0.3899	0.4017	0.4365	0.4201	0.4056	0.3529	0.3489	0.3587	M 2	
	M(PRI) 1	0.4701	0.4752	0.4797	0.4938	0.5084	0.5224	0.5313	0.5350	0.5389	M(PRI) 1	
	M(PRI) 2	0.2323	0.2261	0.2653	0.3501	0.3586	0.3551	0.3208	0.3011	0.2875	M(PRI) 2	
	TURN(PRI)	49.680	39.594	36.174	36.156	32.124	29.575	22.088	21.470	23.211	TURN(PRI)	
	UUBAR	0.3246	0.3441	0.2642	0.0489	0.0286	0.0557	0.1615	0.2127	0.2509	UUBAR	
	LOSS PARA	0.1274	0.1324	0.1020	0.0192	0.0113	0.0236	0.0592	0.0776	0.0942	LOSS PARA	
	DFAC	0.8044	0.7917	0.7038	0.5256	0.5150	0.5392	0.6042	0.6573	0.7037	DFAC	
	EFFP	0.3269	0.7409	0.8034	0.9649	0.9641	0.9689	0.7765	0.7682	0.7727	EFFP	
	EFF	0.8255	0.7364	0.7998	0.9641	0.9633	0.9682	0.7725	0.7640	0.7684	EFF	
INCID	-2.205	-1.713	-1.640	-2.300	-4.209	-7.099	-9.904	-11.268	-12.849	INCID		
DEVH	13.945	18.412	16.605	9.494	6.557	10.076	18.908	20.102	15.139	DEVH		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
P 2	16.918	16.577	16.687	17.009	17.053	17.621	18.651	18.641	16.727	P 2		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
T 2	544.520	543.390	542.700	542.230	542.100	541.680	543.120	543.270	544.160	T 2		
SLOTTED STATION 4		PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.43	14.64	9.56	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA	
	BETA 2	57.180	55.920	50.700	40.780	39.310	40.150	44.430	48.030	50.720	BETA 2	
	BETA 2A	5.070	5.070	5.070	5.740	5.150	6.880	6.670	6.630	7.060	BETA 2A	
	V 2	480.09	438.93	451.53	488.98	471.26	455.26	398.24	393.91	404.94	V 2	
	V 2A	304.10	314.96	288.55	344.91	373.77	353.81	321.43	296.45	288.99	V 2A	
	VZ 2	260.21	245.95	285.99	370.22	364.52	347.83	284.27	263.34	256.29	VZ 2	
	VZ 2A	306.90	313.73	287.42	343.18	372.26	351.26	319.25	294.47	286.80	VZ 2A	
	V-THETA 2	403.46	363.54	349.41	319.34	298.46	293.42	278.67	292.77	313.35	V-THETA 2	
	V-THETA 2A	27.23	27.83	25.50	34.50	33.55	42.38	37.33	34.23	35.52	V-THETA 2A	
	M 2	0.4273	0.3899	0.4017	0.4365	0.4201	0.4056	0.3529	0.3489	0.3587	M 2	
	M 2A	0.2713	0.2778	0.2543	0.3050	0.3311	0.3132	0.2836	0.2612	0.2544	M 2A	
	TURN(PRI)	52.110	50.850	45.629	35.034	34.146	33.250	37.738	41.378	43.638	TURN(PRI)	
	UUBAR	0.1228	0.0373	0.1102	0.0671	0.0208	0.0781	0.0817	0.1036	0.1175	UUBAR	
	LOSS PARA	0.0504	0.0155	0.0462	0.0290	0.0093	0.0364	0.0391	0.0501	0.0573	LOSS PARA	
	DFAC	0.6814	0.6013	0.6634	0.5404	0.4622	0.4836	0.4879	0.5659	0.6266	DFAC	
	EFFP	0.7627	1.0693	0.8343	0.7679	0.9059	0.7287	0.9027	0.7108	0.5920	EFFP	
	INCID	3.370	4.050	0.469	-6.406	-7.034	-8.620	-7.992	-5.912	-5.102	INCID	
	DEVH	21.550	20.660	19.690	18.260	16.820	19.400	20.790	21.580	23.010	DEVH	
	P 2	16.860	16.720	16.700	16.940	17.020	16.950	16.720	16.600	16.580	P 2	
	P 2A	16.622	16.653	16.505	16.808	16.980	16.813	16.602	16.465	16.430	P 2A	
	T 2	544.520	543.390	542.700	542.230	542.100	541.680	543.120	543.270	544.160	T 2	
	T 2A	544.520	543.390	542.700	542.230	542.100	541.680	543.120	543.270	544.160	T 2A	

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 58.98 EQUIVALENT ROTOR SPEED = 2904.00 CORRECTED WEIGHT FLOW = 68.39 PRESSURE RATIO = 1.1373											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	254.87	254.87	254.87	254.87	254.87	254.87	254.87	254.87	254.87	V 0
	V 1	277.10	278.00	281.58	283.12	278.90	268.17	259.67	257.75	257.51	V 1
	VZ 0	254.87	254.87	254.87	254.87	254.87	254.87	254.87	254.87	254.87	VZ 0
	VZ 1	277.10	278.00	281.58	283.12	278.86	268.13	259.61	257.68	257.50	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2295	0.2295	0.2295	0.2295	0.2295	0.2295	0.2295	0.2295	0.2295	M 0
	M 1	0.2498	0.2506	0.2538	0.2553	0.2514	0.2416	0.2339	0.2321	0.2319	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.087	-0.091	-0.105	-0.111	-0.094	-0.052	-0.019	-0.011	-0.010	DFAC
	EFFP	1.0000	0.9997	0.9999	0.9997	1.0001	0.9996	0.9988	0.9992	0.9997	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
ROTOR 4	PCT SPAN	95.01	90.00	85.31	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	59.510	58.810	54.000	43.030	41.390	42.210	50.000	54.540	57.230	BETA 2
	BETA(PR) 1	59.555	59.849	56.301	57.653	59.290	61.381	62.925	63.358	63.607	BETA(PR) 1
	BETA(PR) 2	2.041	13.386	16.629	19.165	24.748	29.522	38.118	37.827	38.701	BETA(PR) 2
	V 1	277.10	278.00	281.58	283.12	278.90	268.17	259.67	257.75	257.51	V 1
	V 2	277.10	278.00	281.58	283.12	278.90	268.17	259.67	257.75	257.51	V 2
	VZ 1	277.10	278.00	281.58	283.12	278.90	268.17	259.67	257.75	257.51	VZ 1
	VZ 2	277.10	278.00	281.58	283.12	278.90	268.17	259.67	257.75	257.51	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	412.44	372.32	354.00	324.55	307.03	298.14	300.80	324.34	335.52	V-THETA 2
	V(PR) 1	502.8	508.4	514.2	529.2	546.1	559.8	570.4	574.3	579.3	V(PR) 1
	V(PR) 2	243.0	231.7	268.4	363.1	377.1	377.9	321.0	292.6	276.9	V(PR) 2
	VTHETA PR1	-419.54	-425.0	-430.3	-447.0	-469.5	-491.4	-507.9	-513.2	-518.9	VTHETA PR1
	VTHETA PR2	-8.7	-53.6	-76.8	-123.6	-157.3	-186.1	-198.6	-179.4	-173.0	VTHETA PR2
	U 1	419.54	425.02	430.31	447.04	469.46	491.38	507.86	513.18	518.88	U 1
	U 2	421.10	425.96	430.32	445.39	464.83	484.26	498.84	503.70	508.55	U 2
	M 1	0.2498	0.2506	0.2538	0.2553	0.2514	0.2416	0.2339	0.2321	0.2319	M 1
	M 2	0.4257	0.3866	0.3886	0.4242	0.4092	0.3946	0.3478	0.3527	0.3531	M 2
	M(PR) 1	0.4532	0.4582	0.4636	0.4771	0.4922	0.5044	0.5137	0.5172	0.5217	M(PR) 1
	M(PR) 2	0.2161	0.2058	0.2384	0.3283	0.3354	0.3360	0.2842	0.2591	0.2450	M(PR) 2
	TURN(PR)	54.515	43.463	40.172	36.491	34.550	31.873	24.823	25.527	24.926	TURN(PR)
	UUBAR	0.3194	0.3462	0.2814	0.0500	0.0423	0.0664	0.2240	0.2813	0.3060	UUBAR
	LOSS PARA	0.1297	0.1341	0.1086	0.0197	0.0167	0.0262	0.0822	0.1046	0.1135	LOSS PARA
	DFAC	0.3402	0.3303	0.7554	0.5592	0.5526	0.5642	0.6610	0.7540	0.7946	DFAC
	EFFP	0.9455	0.7771	0.7817	0.9774	0.9102	0.9200	0.7726	0.7833	0.7740	EFFP
	EFF	0.8427	0.7730	0.7777	0.9770	0.9144	0.9183	0.7684	0.7793	0.7696	EFF
	INCID	0.125	0.629	0.521	-0.048	-2.004	-4.473	-7.261	-8.558	-10.244	INCID
	DEVH	10.541	16.886	16.829	9.411	8.336	10.404	18.816	18.755	20.029	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.028	16.675	16.701	17.096	17.075	17.035	16.681	16.746	16.789	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	545.180	543.390	543.550	542.190	543.570	543.070	543.610	544.030	544.860	T 2
SLOTTED											
STATOR 4	PCT SPAN	94.96	90.34	84.87	69.05	49.54	29.46	14.04	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	59.510	58.810	54.000	43.030	41.390	42.210	50.000	54.540	57.230	BETA 2
	BETA 2A	6.010	5.370	5.050	6.140	6.090	7.000	6.940	6.920	6.910	BETA 2A
	V 2	273.63	273.24	273.26	273.67	273.97	273.91	273.79	273.80	273.87	V 2
	V 2A	273.63	273.24	273.26	273.67	273.97	273.91	273.79	273.80	273.87	V 2A
	VZ 2	273.63	273.24	273.26	273.67	273.97	273.91	273.79	273.80	273.87	VZ 2
	VZ 2A	273.63	273.24	273.26	273.67	273.97	273.91	273.79	273.80	273.87	VZ 2A
	V-THETA 2	412.44	372.32	354.00	324.55	307.03	298.14	300.80	324.34	335.52	V-THETA 2
	V-THETA 2A	30.71	26.87	24.05	35.08	37.98	40.62	36.99	31.84	32.71	V-THETA 2A
	M 2	0.4257	0.3866	0.3886	0.4242	0.4092	0.3946	0.3478	0.3527	0.3531	M 2
	M 2A	0.2540	0.2529	0.2405	0.2898	0.2164	0.2543	0.2698	0.2324	0.2390	M 2A
	TURN(PR)	53.500	53.440	48.949	36.484	35.765	35.190	43.038	47.599	50.300	TURN(PR)
	UUBAR	0.1133	0.0978	0.0969	0.0718	0.0230	0.0802	0.0846	0.0901	0.1461	UUBAR
	LOSS PARA	0.0464	0.0408	0.0405	0.0310	0.0103	0.0374	0.0406	0.0436	0.0713	LOSS PARA
	DFAC	0.7160	0.6712	0.6934	0.5755	0.4873	0.5235	0.5475	0.6973	0.6950	DFAC
	EFFP	0.7631	0.9888	0.3824	0.7894	0.9515	0.8093	1.0417	0.7031	0.6955	EFFP
	INCID	5.700	6.940	3.769	-4.156	-4.425	-6.560	-2.422	0.595	1.410	INCID
	DEVH	22.490	20.960	19.070	18.660	17.760	17.520	21.060	21.870	22.860	DEVH
	P 2j	16.930	16.840	16.740	17.000	17.080	16.830	16.750	16.620	16.750	P 2j
	P 2A	16.715	16.664	16.570	16.504	17.037	16.832	16.704	16.507	16.553	P 2A
	T 2	545.180	543.390	543.550	542.190	543.570	543.070	543.610	544.030	544.860	T 2
	T 2A	545.180	543.390	543.550	542.190	543.570	543.070	543.610	544.030	544.860	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 100.17

EQUIVALENT ROTOR SPEED = 4217.00

CORRECTED WEIGHT FLOW = 114.59

PRESSURE RATIO = 1.1257

INLET

	PCT SPAN	96.9C	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	452.29	452.29	452.29	452.29	452.29	452.29	452.29	452.29	452.29	V 0
	V 1	522.06	527.61	529.03	526.33	513.04	489.74	487.41	487.00	487.96	V 1
	VZ 0	452.29	452.29	452.29	452.29	452.29	452.29	452.29	452.29	452.29	VZ 0
	VZ 1	522.06	527.61	529.03	526.33	512.97	489.66	487.30	486.88	487.93	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4120	0.4120	0.4120	0.4120	0.4120	0.4120	0.4120	0.4120	0.4120	M 0
	M 1	0.4782	0.4835	0.4849	0.4823	0.4696	0.4474	0.4452	0.4448	0.4457	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.154	-0.167	-0.170	-0.164	-0.134	-0.083	-0.078	-0.077	-0.079	DFAC
	EFFP	0.9999	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1

SLOTTED

	PCT SPAN	95.81	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	39.620	39.200	38.540	32.820	28.630	29.280	30.900	35.720	39.720	BETA 2
	BETA(PR) 1	49.406	49.514	49.748	50.966	53.040	55.541	56.545	56.842	57.074	BETA(PR) 1
	BETA(PR) 2	19.757	14.672	17.291	25.757	28.498	34.611	37.468	37.734	40.753	BETA(PR) 2
	V 1	522.06	527.61	529.03	526.33	513.04	489.74	487.41	487.00	487.96	V 1
	V 2	668.77	740.85	721.96	682.72	706.17	644.89	618.84	603.76	567.51	V 2
	VZ 1	522.06	527.61	529.03	526.33	512.97	489.66	487.30	486.88	487.93	VZ 1
	VZ 2	515.14	574.12	554.69	573.66	619.29	562.19	530.71	489.93	436.31	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	426.47	468.24	449.82	369.98	338.77	315.23	317.62	352.31	362.49	V-THETA 2
	V(PR) 1	802.5	812.6	818.7	835.7	853.2	865.5	884.0	890.2	897.7	V(PR) 1
	V(PR) 2	547.4	593.5	591.4	637.0	704.9	683.4	669.0	619.8	576.2	V(PR) 2
	VTHETA PR1	-609.2	-618.1	-624.9	-649.2	-681.7	-713.6	-737.5	-745.2	-753.5	VTHETA PR1
	VTHETA PR2	-185.0	-150.3	-175.8	-276.3	-336.2	-388.0	-406.6	-379.1	-376.0	VTHETA PR2
	U 1	609.23	618.06	624.37	649.16	681.72	713.56	737.48	745.21	753.49	U 1
	U 2	611.49	618.56	625.60	646.76	674.99	703.22	724.38	731.44	738.49	U 2
	M 1	0.4782	0.4835	0.4849	0.4823	0.4696	0.4474	0.4452	0.4448	0.4457	M 1
	M 2	0.5928	0.6641	0.6464	0.6118	0.5343	0.5751	0.5503	0.5348	0.4997	M 2
	M(PR) 1	0.7345	0.7447	0.7504	0.7658	0.7809	0.7906	0.8074	0.8150	0.8199	M(PR) 1
	M(PR) 2	0.5852	0.5320	0.5295	0.5709	0.6337	0.6095	0.5948	0.5490	0.5074	M(PR) 2
	TURN(PR)	29.649	34.842	32.457	25.213	24.550	20.945	19.092	19.122	16.341	TURN(PR)
	UUBAR	0.3763	0.2781	0.2850	0.2126	0.1064	0.1591	0.2607	0.3625	0.4460	UUBAR
	LOSS PARA	0.1334	0.1071	0.1096	0.0797	0.0406	0.0742	0.0965	0.1350	0.1606	LOSS PARA
	DFAC	0.5274	0.4995	0.4990	0.4217	0.3455	0.3740	0.4093	0.4484	0.5482	DFAC
	EFFP	0.5155	0.7652	0.7396	0.7540	0.8596	0.6693	0.5949	0.5128	0.3893	EFFP
	EFF	0.5048	0.7577	0.7318	0.7474	0.8555	0.6613	0.5860	0.5031	0.3795	EFF
	INCID	-7.024	-6.706	-6.532	-6.735	-6.254	-10.313	-13.641	-15.055	-16.777	INCID
	DEVM	28.257	18.172	17.491	16.002	12.086	15.492	18.167	18.663	22.082	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.250	18.350	18.130	17.735	18.160	17.425	17.125	16.900	16.450	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.860	563.570	562.560	557.020	556.520	557.850	558.280	560.740	563.500	T 2

SLOTTED

	PCT SPAN	94.96	90.34	84.37	69.68	49.55	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	39.445	39.300	39.650	DIA
STATION 2A	BETA 2	39.620	39.200	38.540	32.820	28.680	29.280	30.900	35.720	39.720	BETA 2
	BETA 2A	4.050	3.320	6.420	5.060	3.740	5.730	7.070	7.940	8.090	BETA 2A
	V 2	668.77	740.85	721.96	682.72	706.17	644.89	618.84	603.76	567.51	V 2
	V 2A	622.09	658.25	671.05	577.59	682.56	648.41	605.40	574.96	577.62	V 2A
	VZ 2	515.14	574.12	554.69	573.66	619.29	562.19	530.71	489.93	436.31	VZ 2
	VZ 2A	620.51	657.14	666.84	674.95	661.11	645.17	599.98	569.45	571.88	VZ 2A
	V-THETA 2	426.47	468.24	449.82	369.98	338.77	315.23	317.62	352.31	362.49	V-THETA 2
	V-THETA 2A	44.37	38.12	75.03	59.76	44.52	64.74	80.80	79.42	81.29	V-THETA 2A
	M 2	0.5928	0.6641	0.6464	0.6118	0.5343	0.5751	0.5503	0.5348	0.4997	M 2
	M 2A	0.5489	0.5847	0.5974	0.6069	0.5120	0.5785	0.5376	0.5080	0.5091	M 2A
	TURN(PR)	35.530	35.880	32.113	27.754	24.928	23.533	23.211	27.759	31.608	TURN(PR)
	UUBAR	0.2630	0.2546	0.2018	0.1418	0.1271	0.1646	0.1838	0.3032	0.2538	UUBAR
	LOSS PARA	0.1081	0.1058	0.0845	0.0613	0.0574	0.0770	0.0880	0.1465	0.1235	LOSS PARA
	DFAC	0.3054	0.3535	0.2895	0.2055	0.2227	0.1784	0.2084	0.2702	0.2284	DFAC
	EFFP	-0.2597	-0.2165	-0.4339	-5.7598	-1.2245	10.8608	-4.3264	-2.1413	6.3324	EFFP
	INCID	-14.190	-12.670	-11.691	-14.365	-17.632	-19.487	-21.519	-18.221	-16.102	INCID
	DEVM	26.570	18.910	21.040	17.580	15.410	13.250	21.790	22.690	24.040	DEVM
	P 2	17.600	18.100	18.000	17.850	17.950	17.600	16.850	16.825	16.600	P 2
	P 2A	16.548	16.967	17.130	17.272	17.428	16.995	16.315	15.941	15.907	P 2A
	T 2	566.860	563.570	562.560	557.020	556.520	557.850	558.280	560.740	563.500	T 2
	T 2A	566.880	563.570	562.560	557.020	556.520	557.850	558.280	560.740	563.500	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.62		EQUIVALENT ROTOR SPEED = 4194.00				CORRECTED WEIGHT FLOW = 111.11		PRESSURE RATIO = 1.1943			
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.98	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 0	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	435.84	435.84	435.84	435.84	435.84	435.84	435.84	435.84	435.84	V 0
	V 1	500.96	498.28	503.64	499.62	497.60	487.41	480.53	475.65	472.15	V 1
	VZ 0	435.84	435.84	435.84	435.84	435.84	435.84	435.84	435.84	435.84	VZ 0
	VZ 1	500.96	498.28	503.64	499.61	497.53	487.34	480.41	475.53	472.13	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	0.3965	M 0
	M 1	0.4581	0.4555	0.4606	0.4568	0.4549	0.4452	0.4386	0.4340	0.4307	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.145	-0.143	-0.156	-0.146	-0.142	-0.118	-0.103	-0.091	-0.083	DFAC
	EFFP	1.0000	1.0000	0.9999	1.0000	1.0000	1.0000	0.9999	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
ROTOR 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	BETA 2	49.500	45.400	42.150	36.020	32.650	34.390	38.920	42.350	46.650	BETA 2
	BETA(PR) 1	50.416	50.971	50.978	52.265	53.728	55.522	56.775	57.315	57.788	BETA(PR) 1
	BETA(PR) 2	11.477	15.229	17.962	23.734	27.201	33.322	39.031	41.262	45.045	BETA(PR) 2
	V 1	500.96	498.28	503.64	499.62	497.60	487.41	480.53	475.65	472.15	V 1
	V 2	681.59	681.13	682.67	681.72	690.72	631.90	572.50	550.48	519.35	V 2
	VZ 1	500.96	498.28	503.64	499.61	497.53	487.34	480.41	475.53	472.13	VZ 1
	VZ 2	442.66	478.26	506.12	551.31	561.36	521.19	445.21	406.65	356.38	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	518.28	484.98	458.12	400.84	372.51	356.74	359.50	370.68	377.52	V-THETA 2
	V(PR) 1	786.2	791.3	799.9	816.4	841.0	860.9	876.8	880.6	885.7	V(PR) 1
	V(PR) 2	451.7	495.7	532.1	602.3	653.9	624.0	573.4	541.2	504.0	V(PR) 2
	VTHETA PR1	-605.5	-614.7	-621.5	-645.0	-676.0	-709.7	-733.5	-741.1	-749.4	VTHETA PR1
	VTHETA PR2	-89.5	-130.2	-164.1	-242.4	-298.8	-342.6	-360.9	-356.8	-356.9	VTHETA PR2
	U 1	505.91	614.69	621.46	645.62	678.01	709.67	733.45	741.14	749.38	U 1
	U 2	608.16	615.18	622.19	643.24	671.31	699.38	720.43	727.45	734.46	U 2
	M 1	0.4581	0.4555	0.4606	0.4568	0.4549	0.4452	0.4386	0.4340	0.4307	M 1
	M 2	0.6055	0.6065	0.6087	0.6090	0.6181	0.5617	0.5064	0.4855	0.4565	M 2
	M(PR) 1	0.7198	0.7233	0.7316	0.7464	0.7688	0.7863	0.8004	0.8036	0.8080	M(PR) 1
	M(PR) 2	0.4012	0.4414	0.4744	0.5381	0.5851	0.5547	0.5072	0.4773	0.4435	M(PR) 2
	TURN(PR)	38.935	35.742	33.017	28.535	26.535	22.215	17.760	16.068	12.764	TURN(PR)
	UUBAR	0.3876	0.3160	0.2517	0.1390	0.0636	0.1611	0.2786	0.3386	0.3994	UUBAR
	LOSS PARA	0.1495	0.1214	0.0964	0.0515	0.0246	0.0609	0.1009	0.1199	0.1342	LOSS PARA
	DFAC	0.6355	0.6178	0.6657	0.4662	0.4140	0.4614	0.5356	0.5818	0.6309	DFAC
	EFFP	0.7153	0.7718	0.8067	0.8760	0.9409	0.7987	0.6734	0.6096	0.5310	EFFP
	EFF	0.7063	0.7645	0.8024	0.6718	0.9387	0.7927	0.6651	0.6005	0.5212	EFF
	INCID	-6.014	-5.249	-5.302	-5.435	-7.566	-10.332	-13.411	-14.582	-16.063	INCID
	DEVH	19.977	18.729	18.161	13.979	14.203	14.203	19.729	22.190	26.373	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.290	18.375	18.470	18.600	18.855	18.195	17.550	17.320	17.010	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.100	563.450	562.350	560.150	559.500	559.900	559.300	560.250	561.200	T 2
SLOTTED											
STATOR 4	PCT SPAN	94.96	90.34	84.87	69.68	49.56	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2	BETA 2	49.500	45.400	42.150	36.020	32.650	34.390	38.920	42.350	46.650	BETA 2
STATION 2A	BETA 2A	6.320	6.310	6.230	5.620	5.320	6.160	6.380	6.730	7.670	BETA 2A
	V 2	681.59	681.13	682.67	681.72	690.72	631.90	572.50	550.48	519.35	V 2
	V 2A	531.00	530.41	530.37	562.46	581.05	546.34	493.88	464.71	443.87	V 2A
	VZ 2	442.66	478.26	506.12	551.31	561.36	521.19	445.21	406.65	356.38	VZ 2
	VZ 2A	527.77	527.19	527.24	559.76	578.55	543.18	490.82	461.46	439.90	VZ 2A
	V-THETA 2	518.28	484.98	458.12	400.84	372.51	356.74	359.50	370.68	377.52	V-THETA 2
	V-THETA 2A	58.45	58.30	57.56	55.08	53.87	58.03	54.88	54.86	59.24	V-THETA 2A
	M 2	0.6055	0.6065	0.6087	0.6090	0.6181	0.5617	0.5064	0.4855	0.4565	M 2
	M 2A	0.4650	0.4656	0.4661	0.4966	0.5142	0.4318	0.4340	0.4071	0.3680	M 2A
	TURN(PR)	43.160	39.090	35.919	30.394	27.317	28.211	32.518	35.548	38.958	TURN(PR)
	UUBAR	0.2001	0.1602	0.1765	0.1104	0.0897	0.1058	0.0664	0.1410	0.1577	UUBAR
	LOSS PARA	0.0820	0.0662	0.0739	0.0477	0.0404	0.0494	0.0319	0.0682	0.0767	LOSS PARA
	DFAC	0.4992	0.4825	0.4705	0.3959	0.3634	0.3536	0.3964	0.4373	0.4495	DFAC
	EFFP	0.7444	0.6880	0.6204	0.6796	0.6888	0.6403	0.7053	0.6888	0.8295	EFFP
	INCID	-4.310	-6.470	-8.081	-11.166	-13.663	-14.373	-13.502	-11.592	-9.172	INCID
	DEVH	22.800	21.900	20.850	18.140	16.990	16.680	20.500	21.730	23.620	DEVH
	P 2	18.290	18.475	18.500	18.570	18.660	18.210	17.500	17.450	17.300	P 2
	P 2A	17.831	17.811	17.773	18.118	18.293	17.837	17.316	17.068	16.897	P 2A
	T 2	566.100	563.450	562.350	560.150	559.500	559.900	559.300	560.250	561.200	T 2
	T 2A	566.100	563.450	562.350	560.150	559.500	559.900	559.300	560.250	561.200	T 2A

Table B-2. Blade Element Performance, Slotted Rotor 4, Slotted Stator 4 (Continued)

EQUIVALENT ROTOR SPEED = 4206.00

CORRECTED WEIGHT FLOW = 108.67

PRESSURE RATIO = 1.2289

INLET												
		PCT SPAN	96.90	91.17	86.75	71.00	49.83	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1		BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
		V 0	424.51	424.51	424.51	424.51	424.51	424.51	424.51	424.51	424.51	V 0
		V 1	482.60	479.83	482.60	483.98	477.05	468.63	457.20	454.31	451.40	V 1
		VZ 0	424.51	424.51	424.51	424.51	424.51	424.51	424.51	424.51	424.51	VZ 0
		VZ 1	482.60	479.83	482.60	483.97	476.93	468.55	457.09	454.19	451.37	VZ 1
		V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
		M 0	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	0.3859	M 0
		M 1	0.4405	0.4380	0.4406	0.4419	0.4353	0.4274	0.4166	0.4139	0.4111	M 1
		TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
		DFAC	-0.137	-0.130	-0.137	-0.140	-0.124	-0.104	-0.077	-0.070	-0.063	DFAC
		EFFP	0.9999	0.9999	0.9999	1.0000	0.9999	0.9999	0.9999	0.9999	1.0000	EFFP
		INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
		DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
		P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
		T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
		T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED												
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN	
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA	
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	BETA 2	52.500	50.400	46.500	38.000	35.300	37.150	44.330	48.550	52.540	BETA 2	
	BETA(PR) 1	51.543	52.103	52.248	53.222	54.950	56.641	58.142	58.572	59.010	BETA(PR) 1	
	BETA(PR) 2	54.341	55.787	56.044	57.836	59.696	61.762	63.857	64.586	65.415	BETA(PR) 2	
	V 1	482.60	479.83	482.60	483.98	477.05	468.63	457.20	454.31	451.40	V 1	
	V 2	678.04	648.92	657.09	692.66	681.47	628.30	566.84	545.85	530.17	V 2	
	VZ 1	482.60	479.83	482.60	483.97	476.98	468.55	457.09	454.19	451.37	VZ 1	
	VZ 2	412.76	413.64	452.31	545.75	555.98	500.56	405.31	361.21	322.36	VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	V-THETA 2	537.93	500.00	475.63	426.39	393.60	379.26	395.94	408.99	420.72	V-THETA 2	
	V(PR) 1	776.0	781.2	788.2	808.4	830.6	852.1	866.1	871.1	876.7	V(PR) 1	
	V(PR) 2	419.0	429.8	475.7	588.0	622.0	595.6	520.7	483.1	451.5	V(PR) 2	
	VTHETA PR1	-607.5	-616.4	-623.2	-647.5	-679.9	-711.7	-735.6	-743.3	-751.5	VTHETA PR1	
	VTHETA PR2	-72.0	-116.9	-147.3	-218.7	-279.6	-322.1	-326.5	-320.5	-315.8	VTHETA PR2	
	U 1	607.64	616.45	623.24	647.46	679.95	711.70	735.55	743.26	751.52	U 1	
	U 2	609.96	616.94	623.97	645.08	673.23	701.38	722.49	729.53	736.56	U 2	
	M 1	0.4406	0.4380	0.4406	0.4419	0.4353	0.4274	0.4166	0.4139	0.4111	M 1	
	M 2	0.6614	0.5755	0.5832	0.6181	0.6070	0.5573	0.4996	0.4798	0.4644	M 2	
	M(PR) 1	0.7064	0.7130	0.7196	0.7381	0.7500	0.7771	0.7891	0.7935	0.7984	M(PR) 1	
	M(PR) 2	0.3716	0.3812	0.4222	0.5247	0.5545	0.5282	0.4590	0.4247	0.3955	M(PR) 2	
	TURN(PR)	41.552	36.317	34.205	31.389	28.263	23.893	19.301	17.001	14.616	TURN(PR)	
	UUBAR	0.3577	0.3525	0.2902	0.1016	0.3567	0.1393	0.2936	0.3558	0.4044	UUBAR	
	LOSS PARA	0.1307	0.1351	0.1111	0.0393	0.0220	0.0530	0.1066	0.1253	0.1373	LOSS PARA	
	DFAC	0.7335	0.7047	0.6402	0.4918	0.4554	0.5011	0.6100	0.6644	0.7109	DFAC	
	EFFP	0.7802	0.7651	0.7847	0.9305	0.9285	0.8553	0.7133	0.6555	0.5962	EFFP	
	EFF	0.7725	0.7575	0.7775	0.9278	0.9257	0.8503	0.7049	0.6461	0.5857	EFF	
	INCID	-4.887	-4.117	-4.032	-4.478	-6.343	-9.213	-12.044	-13.325	-14.841	INCID	
	DEVM	15.391	19.287	13.243	12.082	10.284	13.044	19.555	22.514	25.743	DEVM	
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1	
	P 2	16.770	16.400	18.520	19.150	19.200	18.670	17.990	17.770	17.610	P 2	
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
	T 2	567.350	564.150	564.300	562.650	563.200	561.900	562.500	563.500	565.710	T 2	
SLOTTED												
STATION 4	PCT SPAN	94.96	90.34	84.57	69.65	49.58	29.48	14.64	9.66	4.76	PCT SPAN	
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA	
STATION 2A	BETA 2	52.500	50.400	46.500	38.000	35.300	37.150	44.330	48.550	52.540	BETA 2	
	BETA 2A	54.00	54.00	54.00	5.500	5.500	6.300	6.430	6.790	7.800	BETA 2A	
	V 2	573.04	643.92	657.09	692.66	681.47	628.30	566.84	545.85	530.17	V 2	
	V 2A	486.90	481.94	480.60	537.41	561.22	518.07	463.15	429.73	426.27	V 2A	
	VZ 2	412.76	413.64	452.31	545.75	555.98	500.56	405.31	361.21	322.36	VZ 2	
	VZ 2A	484.73	479.80	478.51	534.93	558.34	514.94	460.24	426.71	422.33	VZ 2A	
	V-THETA 2	537.93	500.00	476.63	426.39	393.60	379.26	395.94	408.99	420.72	V-THETA 2	
	V-THETA 2A	45.91	45.35	44.81	51.51	53.75	56.85	51.87	50.81	57.85	V-THETA 2A	
	M 2	0.6014	0.5755	0.5832	0.6181	0.6070	0.5573	0.4996	0.4798	0.4644	M 2	
	M 2A	0.4245	0.4212	0.4200	0.4724	0.4941	0.4550	0.4049	0.3745	0.3706	M 2A	
	TURN(PR)	47.090	45.000	41.149	32.494	29.786	30.830	37.878	41.738	44.719	TURN(PR)	
	UUBAR	0.1694	0.1305	0.1481	0.0852	0.0727	0.1106	0.0784	0.1454	0.1714	UUBAR	
	LOSS PARA	0.0694	0.0540	0.0620	0.0368	0.0327	0.0517	0.0376	0.0704	0.0834	LOSS PARA	
	DFAC	0.5811	0.5494	0.5457	0.4599	0.4030	0.4182	0.4784	0.5352	0.5355	DFAC	
	EFFP	0.7601	0.8697	0.7941	0.7435	0.7731	0.7301	0.7942	0.7319	0.7671	EFFP	
	INCID	-1.310	-1.470	-3.731	-9.186	-11.014	-11.620	-8.092	-5.392	-3.281	INCID	
	DEVM	21.690	20.990	19.970	18.020	17.170	18.820	20.550	21.740	23.750	DEVM	
	P 2	18.956	18.675	18.700	19.000	19.150	18.725	18.000	17.875	17.850	P 2	
	P 2A	18.235	18.156	18.109	18.642	18.846	18.326	17.778	17.483	17.394	P 2A	
	T 2	567.350	564.150	564.300	562.650	563.200	561.900	562.500	563.500	565.710	T 2	
	T 2A	567.350	564.150	564.300	562.650	563.200	561.900	562.500	563.500	565.710	T 2A	

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 100.05		EQUIVALENT ROTOR SPEED = 4212.00		CORRECTED WEIGHT FLOW = 103.66		PRESSURE RATIO = 1.2506					
INLET											
STATION C STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.260	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	401.72	401.72	401.72	401.72	401.72	401.72	401.72	401.72	401.72	V 0
	V 1	455.32	462.94	463.80	464.23	459.07	446.71	435.26	430.42	427.22	V 1
	VZ 0	401.72	401.72	401.72	401.72	401.72	401.72	401.72	401.72	401.72	VZ 0
	VZ 1	455.32	462.94	463.80	464.22	459.01	446.64	435.16	430.31	427.20	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3646	0.3646	0.3646	0.3646	0.3646	0.3646	0.3646	0.3646	0.3646	M 0
	M 1	0.4148	0.4220	0.4228	0.4232	0.4183	0.4067	0.3959	0.3914	0.3884	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.133	-0.152	-0.155	-0.156	-0.143	-0.112	-0.083	-0.071	-0.063	DFAC
	EFFP	0.9999	1.0001	1.0000	1.0000	0.9999	0.9998	1.0000	1.0000	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
SLOTTED											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	50.030	54.600	50.100	40.280	37.430	39.520	47.720	51.930	54.550	BETA 2
	BETA(PR) 1	53.154	53.133	53.383	54.399	56.010	57.926	59.427	59.967	60.419	BETA(PR) 1
	BETA(PR) 2	7.653	15.077	17.812	20.298	26.040	32.188	39.936	42.145	41.972	BETA(PR) 2
	V 1	455.32	462.94	463.80	464.23	459.07	446.71	435.26	430.42	427.22	V 1
	V 2	675.32	636.16	642.03	695.68	677.26	626.33	555.43	543.22	552.11	V 2
	VZ 1	455.32	462.94	463.80	464.22	459.01	446.64	435.16	430.31	427.20	VZ 1
	VZ 2	377.34	368.51	411.83	530.67	537.64	482.95	373.53	334.86	320.14	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	560.06	518.55	492.54	449.72	411.50	398.39	410.80	427.53	449.64	V-THETA 2
	V(PR) 1	760.0	771.6	777.6	797.4	821.2	841.1	855.6	859.8	865.4	V(PR) 1
	V(PR) 2	380.7	381.7	432.6	565.9	598.6	570.9	487.4	451.8	430.8	V(PR) 2
	VTHETA PR1	-608.5	-617.3	-624.1	-648.4	-680.9	-712.7	-736.6	-744.3	-752.6	VTHETA PR1
	VTHETA PR2	-50.7	-99.3	-132.3	-196.3	-262.7	-304.0	-312.7	-303.0	-288.0	VTHETA PR2
	U 1	608.51	617.33	624.13	648.39	680.92	712.71	736.60	744.32	752.59	U 1
	U 2	610.77	617.82	624.86	646.00	674.19	702.38	723.52	730.57	737.61	U 2
	M 1	0.4148	0.4220	0.4228	0.4232	0.4183	0.4067	0.3959	0.3914	0.3884	M 1
	M 2	0.5972	0.5618	0.5677	0.6193	0.6025	0.5545	0.4878	0.4760	0.4829	M 2
	M(PR) 1	0.5924	0.7034	0.7089	0.7270	0.7484	0.7658	0.7783	0.7819	0.7868	M(PR) 1
	M(PR) 2	0.3367	0.3370	0.3325	0.5038	0.5325	0.5054	0.4280	0.3959	0.3767	M(PR) 2
	TURN(PR)	45.541	38.056	35.572	34.104	29.984	25.752	19.507	17.837	18.467	TURN(PR)
	UUBAR	0.3735	0.3760	0.3148	0.1031	0.0554	0.1308	0.2883	0.3446	0.3773	UUBAR
	LUSS PARA	0.1457	0.1446	0.1207	0.0403	0.0216	0.0501	0.1031	0.1203	0.1334	LUSS PARA
	DFAC	0.7697	0.7731	0.6490	0.5247	0.4877	0.5341	0.6523	0.7065	0.7468	DFAC
	EFFP	0.7811	0.7385	0.7659	0.9319	0.9575	0.8853	0.7236	0.6844	0.6653	EFFP
	EFF	0.7730	0.7296	0.7579	0.9291	0.9557	0.8810	0.7149	0.6748	0.6548	EFF
	INCID	-3.236	-3.067	-2.697	-3.302	-3.276	-7.928	-10.759	-11.930	-13.432	INCID
	DEVH	18.153	18.577	18.012	10.544	5.629	13.070	20.634	23.073	23.300	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.025	18.530	18.615	19.465	19.465	19.015	18.775	18.160	18.265	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	570.100	567.400	560.550	565.400	564.100	563.700	565.350	566.650	569.500	T 2
SLOTTED											
STATION 2 STATION 2A	PCT SPAN	94.90	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
	BETA 2	50.030	54.600	50.100	40.280	37.430	39.520	47.720	51.930	54.550	BETA 2
	BETA 2A	5.000	5.020	5.050	5.770	6.060	6.630	6.720	6.830	7.270	BETA 2A
	V 2	675.32	636.16	642.03	695.68	677.26	626.33	555.43	543.22	552.11	V 2
	V 2A	452.25	433.84	444.33	504.87	542.65	492.96	435.81	409.16	398.24	V 2A
	VZ 2	377.34	368.51	411.83	530.67	537.64	482.95	373.53	334.86	320.14	VZ 2
	VZ 2A	450.57	432.17	442.51	502.31	539.82	489.66	432.82	406.26	395.04	VZ 2A
	V-THETA 2	560.06	518.55	492.54	449.72	411.50	398.39	410.80	427.53	449.64	V-THETA 2
	V-THETA 2A	39.42	37.96	39.11	50.76	57.31	56.92	51.00	48.66	50.40	V-THETA 2A
	M 2	0.5972	0.5618	0.5677	0.6193	0.6025	0.5545	0.4878	0.4760	0.4829	M 2
	M 2A	0.3923	0.3763	0.3865	0.4415	0.4708	0.4314	0.3793	0.3551	0.3445	M 2A
	TURN(PR)	51.010	49.580	45.049	34.504	31.356	32.470	40.978	45.079	47.259	TURN(PR)
	UUBAR	0.1482	0.1178	0.1264	0.0795	0.0491	0.1199	0.0892	0.1559	0.1543	UUBAR
	LUSS PARA	0.0608	0.0487	0.0530	0.0343	0.0220	0.0560	0.0428	0.0754	0.0753	LUSS PARA
	DFAC	0.6482	0.6324	0.6057	0.5241	0.4301	0.4708	0.5307	0.5894	0.6373	DFAC
	EFFP	0.7856	0.8911	0.8694	0.7505	0.8442	0.7380	0.6073	0.7293	0.6320	EFFP
	INCID	2.220	2.730	-0.131	-6.906	-6.884	-9.250	-4.702	-2.011	-1.271	INCID
	DEVH	21.480	20.610	19.670	18.290	17.730	19.150	20.840	21.780	23.220	DEVH
	P 2	19.097	18.743	18.825	19.200	19.400	19.050	18.300	18.250	18.150	P 2
	P 2A	13.482	18.297	18.336	18.863	19.195	18.616	18.053	17.829	17.752	P 2A
	T 2	570.100	567.400	560.550	565.400	564.100	563.700	565.350	566.650	569.500	T 2
	T 2A	570.100	567.400	560.550	565.400	564.100	563.700	565.350	566.650	569.500	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.90 EQUIVALENT ROTOR SPEED = 4206.00 CORRECTED WEIGHT FLOW = 99.64 PRESSURE RATIO = 1.2650											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	383.86	383.86	383.86	383.86	383.86	383.86	383.86	383.86	383.86	V 0
	V 1	434.05	434.96	435.56	440.94	434.51	421.70	406.80	402.48	400.70	V 1
	VZ 0	383.86	383.86	383.86	383.86	383.86	383.86	383.86	383.86	383.86	VZ 0
	VZ 1	434.05	434.96	435.56	440.94	434.45	421.64	406.70	402.38	400.68	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3480	0.3480	0.3480	0.3480	0.3480	0.3480	0.3480	0.3480	0.3480	M 0
	M 1	0.3948	0.3957	0.3962	0.4013	0.3952	0.3832	0.3693	0.3653	0.3636	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.131	-0.133	-0.135	-0.149	-0.132	-0.099	-0.060	-0.048	-0.044	DFAC
	EFFP	0.9999	0.9999	1.0000	0.9999	1.0000	0.9996	0.9996	0.9999	0.9995	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.517	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	57.850	58.000	52.600	42.060	39.520	42.090	49.850	53.620	56.060	BETA 2
	BETA(PRI) 1	54.461	54.794	55.052	55.744	57.424	59.356	61.061	61.570	61.935	BETA(PRI) 1
	BETA(PRI) 2	5.202	14.451	17.596	19.832	25.726	32.108	39.667	41.199	40.323	BETA(PRI) 2
	V 1	434.05	434.96	435.56	440.94	434.51	421.70	406.80	402.48	400.70	V 1
	V 2	680.94	626.58	632.17	688.03	668.08	617.68	556.34	551.02	565.20	V 2
	VZ 1	434.05	434.96	435.56	440.94	434.45	421.64	406.70	402.38	400.68	VZ 1
	VZ 2	362.35	332.04	383.96	510.77	515.20	458.19	358.61	326.74	315.49	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	570.52	531.37	502.20	460.87	425.00	413.86	425.11	443.50	468.79	V-THETA 2
	V(PRI) 1	746.7	754.5	760.4	783.4	806.9	827.2	840.5	845.2	851.7	V(PRI) 1
	V(PRI) 2	363.9	342.9	402.8	543.1	572.1	541.2	466.1	434.4	414.0	V(PRI) 2
	VTHETA PRI	-607.6	-610.4	-623.2	-647.5	-679.9	-711.7	-735.6	-743.3	-751.5	VTHETA PRI
	VTHETA PRI 2	-33.4	-85.6	-121.8	-184.2	-248.2	-287.5	-297.4	-286.0	-267.8	VTHETA PRI 2
	U 1	607.64	616.45	623.24	647.46	679.95	711.70	735.55	743.26	751.52	U 1
	U 2	609.94	616.94	623.97	645.08	673.23	701.38	722.49	729.53	736.56	U 2
	M 1	0.3948	0.3957	0.3962	0.4013	0.3952	0.3832	0.3693	0.3653	0.3636	M 1
	M 2	0.6013	0.5517	0.5572	0.6108	0.5921	0.5454	0.4876	0.4821	0.4942	M 2
	M(PRI) 1	0.6792	0.6863	0.6917	0.7129	0.7340	0.7518	0.7631	0.7672	0.7729	M(PRI) 1
	M(PRI) 2	0.3213	0.3019	0.3550	0.4821	0.5070	0.4779	0.4085	0.3801	0.3620	M(PRI) 2
	TURN(PRI)	49.195	40.342	37.456	35.916	31.706	27.262	21.410	20.387	21.633	TURN(PRI)
	UUBAR	0.3549	0.3909	0.3214	0.0983	0.0563	0.1387	0.2801	0.3311	0.3626	UUBAR
	LOSS PARA	0.1391	0.1507	0.1234	0.0385	0.0220	0.0532	0.1005	0.1173	0.1314	LOSS PARA
	DFAC	0.6172	0.6261	0.7364	0.5513	0.5187	0.5706	0.6793	0.7308	0.7730	DFAC
	EFFP	0.8028	0.7314	0.7516	0.9227	0.9301	0.8827	0.7426	0.7155	0.7182	EFFP
	EFF	0.7945	0.7221	0.7429	0.9195	0.9272	0.8782	0.7339	0.7060	0.7085	EFF
	INCID	-1.969	-1.426	-1.228	-1.956	-3.670	-6.498	-9.125	-10.326	-11.916	INCID
	DEVH	13.702	17.951	17.796	10.078	9.314	12.990	20.366	22.127	21.651	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.380	18.670	18.750	19.645	19.642	19.195	18.575	18.530	18.700	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.400	569.570	569.060	567.500	567.070	565.560	567.650	569.640	570.910	T 2
SLOTTED											
STATOR 4											
	PCT SPAN	94.93	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	57.350	58.000	52.600	42.060	39.520	42.090	49.850	53.620	56.060	BETA 2
	BETA 2A	4.950	4.960	5.020	6.770	6.820	6.770	7.020	7.330	7.680	BETA 2A
	V 2	680.94	626.58	632.17	688.03	668.08	617.68	556.34	551.02	565.20	V 2
	V 2A	431.87	418.52	424.98	483.88	525.56	488.97	411.37	386.00	375.85	V 2A
	VZ 2	362.35	332.04	383.96	510.77	515.20	458.19	358.61	326.74	315.49	VZ 2
	VZ 2A	430.26	416.95	423.55	480.51	521.84	485.56	408.29	382.85	372.48	VZ 2A
	V-THETA 2	575.52	531.37	502.20	460.87	425.00	413.86	425.11	443.50	468.79	V-THETA 2
	V-THETA 2A	37.20	36.19	37.19	57.04	62.41	57.64	50.28	49.25	50.23	V-THETA 2A
	M 2	0.6013	0.5517	0.5572	0.6108	0.5921	0.5454	0.4876	0.4821	0.4942	M 2
	M 2A	0.3733	0.3024	0.3683	0.4217	0.4597	0.4270	0.3567	0.3338	0.3243	M 2A
	TURN(PRI)	52.900	53.040	47.579	35.284	32.686	35.300	42.808	46.269	48.360	TURN(PRI)
	UUBAR	0.1478	0.1196	0.1039	0.0789	0.0566	0.1196	0.1265	0.1452	0.1447	UUBAR
	LOSS PARA	0.0607	0.0495	0.0436	0.0340	0.0254	0.0558	0.0606	0.0702	0.0705	LOSS PARA
	DFAC	0.6923	0.6615	0.6379	0.5524	0.4599	0.4811	0.5885	0.6510	0.7022	DFAC
	EFFP	0.7400	0.9207	0.8918	0.7443	0.8607	0.7455	0.7590	0.6903	0.5904	EFFP
	INCID	4.040	6.130	2.369	-5.126	-6.794	-6.680	-2.572	-0.321	0.240	INCID
	DEVH	21.430	20.550	19.640	19.290	18.490	19.290	21.140	22.280	23.630	DEVH
	P 2	19.250	18.950	18.900	19.325	19.625	19.250	18.600	18.450	18.360	P 2
	P 2A	18.648	18.499	18.514	19.005	19.391	18.823	18.244	18.066	17.993	P 2A
	T 2	572.400	569.570	569.060	567.500	567.070	565.560	567.650	569.640	570.910	T 2
	T 2A	572.400	569.570	569.060	567.500	567.070	565.560	567.650	569.640	570.910	T 2A

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.88 EQUIVALENT ROTOR SPEED = 4205.00 CORRECTED WEIGHT FLOW = 95.35 PRESSURE RATIO = 1.2710										
INLET										
	PCT SPAN	90.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	V 0	365.19	365.19	365.19	365.19	365.19	365.19	365.19	365.19	365.19
	V 1	416.42	418.75	421.39	422.16	415.48	393.87	378.38	372.05	369.45
	VZ 0	365.19	365.19	365.19	365.19	365.19	365.19	365.19	365.19	365.19
	VZ 1	416.42	418.75	421.39	422.15	415.42	393.81	378.29	371.96	369.43
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	M 0	0.3307	0.3307	0.3307	0.3307	0.3307	0.3307	0.3307	0.3307	0.3307
	M 1	0.3793	0.3805	0.3830	0.3837	0.3774	0.3573	0.3429	0.3370	0.3346
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DFAC	-0.140	-0.147	-0.154	-0.156	-0.138	-0.079	-0.036	-0.019	-0.012
	EFFP	0.9999	1.0000	0.9999	0.9999	0.9999	1.0000	1.0002	1.0007	0.9991
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
SLOTTED										
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	BETA 2	58.540	57.450	55.500	42.560	40.250	43.490	59.280	61.800	62.750
	BETA(PR) 1	55.571	55.805	55.930	56.889	58.571	61.036	62.778	63.410	63.817
	BETA(PR) 2	3.246	14.708	16.231	19.391	24.655	30.307	40.092	40.960	41.899
	V 1	416.42	418.75	421.39	422.16	415.48	393.87	378.38	372.05	369.45
	V 2	650.55	626.73	638.50	689.25	673.72	630.66	560.17	564.83	566.62
	VZ 1	416.42	418.75	421.39	422.15	415.42	393.81	378.29	371.96	369.43
	VZ 2	369.56	337.20	379.79	507.46	514.05	457.37	266.10	266.87	259.40
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	V-THETA 2	589.30	528.28	513.26	466.31	435.18	433.87	481.47	497.71	503.65
	V(PR) 1	730.5	745.1	752.2	772.6	796.7	813.3	827.0	831.0	837.3
	V(PR) 2	361.1	343.6	395.6	530.1	566.7	530.1	374.2	353.5	348.7
	VTHETA PR1	-607.5	-616.3	-623.1	-647.3	-679.6	-711.5	-735.4	-743.1	-751.3
	VTHETA PR2	-20.5	-88.5	-110.6	-178.6	-237.9	-267.3	-240.8	-231.7	-232.7
	U 1	607.44	610.30	623.09	647.31	673.78	711.53	735.38	743.08	751.34
	U 2	609.75	616.80	623.82	644.92	673.67	701.22	722.32	729.36	736.39
	M 1	0.3785	0.3805	0.3830	0.3837	0.3774	0.3573	0.3429	0.3370	0.3346
	M 2	0.6106	0.5519	0.5630	0.6121	0.5977	0.5574	0.4910	0.4949	0.4960
	M(PR) 1	0.6691	0.6770	0.6836	0.7024	0.7237	0.7377	0.7495	0.7528	0.7583
	M(PR) 2	0.3192	0.3070	0.3438	0.4779	0.5026	0.4685	0.3098	0.3052	0.3052
	TURN(PR)	22.324	41.097	39.700	37.501	33.745	30.743	22.703	22.466	21.939
	UUBAR	0.3423	0.3690	0.3142	0.0914	0.0582	0.1713	0.4243	0.4517	0.4544
	LOSS PARA	0.1345	0.1422	0.1215	0.0359	0.0229	0.0669	0.1514	0.1606	0.1608
	DFAC	0.6252	0.6146	0.7491	0.5545	0.5249	0.5380	0.8167	0.8540	0.8667
	EFFP	0.8425	0.7555	0.7834	0.9481	0.9634	0.8940	0.7236	0.7253	0.7231
	EFF	0.6563	0.7468	0.7755	0.9459	0.9616	0.8898	0.7145	0.7161	0.7136
	INCID	-0.659	-0.415	-0.350	-0.811	-2.723	-4.817	-7.407	-8.486	-10.034
	DEVM	11.740	18.208	16.451	9.638	8.422	11.190	20.790	21.888	23.227
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694
	P 2	18.660	18.800	18.960	19.770	19.730	19.300	18.470	18.555	18.645
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700
	T 2	572.500	569.360	569.250	567.220	566.500	565.930	567.720	568.630	569.880
SLOTTED										
STATION 4	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650
STATION 2A	BETA 2	58.540	57.450	55.500	42.560	40.250	43.490	59.280	61.800	62.750
	BETA 2A	5.180	5.090	5.210	7.110	7.730	7.830	7.620	7.430	7.180
	V 2	690.85	626.73	638.50	689.25	673.72	630.66	560.17	564.83	566.62
	V 2A	426.12	410.72	413.30	464.13	505.30	450.50	394.95	346.12	345.53
	VZ 2	360.56	337.20	379.79	507.46	514.05	457.37	266.10	266.87	259.40
	VZ 2A	424.50	404.10	411.59	460.56	501.20	446.30	391.46	343.22	342.82
	V-THETA 2	589.30	528.28	513.26	466.31	435.18	433.87	481.47	497.71	503.65
	V-THETA 2A	38.47	36.44	37.55	57.45	66.04	61.37	52.37	44.76	43.19
	M 2	0.6106	0.5519	0.5630	0.6121	0.5977	0.5574	0.4910	0.4949	0.4960
	M 2A	0.3682	0.3556	0.3579	0.4040	0.4420	0.3922	0.3421	0.2987	0.2979
	TURN(PR)	53.300	52.360	48.289	35.464	32.505	35.640	51.641	54.352	55.552
	UUBAR	0.1445	0.1186	0.1186	0.0880	0.0518	0.1316	0.1037	0.1532	0.1448
	LOSS PARA	0.0593	0.0491	0.0498	0.0379	0.0232	0.0612	0.0496	0.0706	0.0706
	DFAC	0.7120	0.6718	0.5669	0.5851	0.4968	0.5650	0.6677	0.7811	0.7930
	EFFP	0.7187	0.6398	0.3689	0.7404	0.8415	0.7802	0.9450	0.7489	0.7231
	INCID	4.730	5.580	3.269	-4.806	-4.064	-5.280	0.861	7.862	6.932
	DEVM	21.660	20.680	19.630	19.630	19.400	20.350	21.740	22.380	23.130
	P 21	19.400	19.120	19.100	19.420	19.660	19.350	18.700	18.500	18.500
	P 2A	18.805	18.665	18.648	19.062	19.460	18.860	18.385	18.070	18.103
	T 2	572.500	569.360	569.250	567.220	566.500	565.930	567.720	568.630	569.880
	T 2A	572.500	569.360	569.250	567.220	566.500	565.930	567.720	568.630	569.880

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.45

EQUIVALENT ROTOR SPEED = 4187.00

CORRECTED WEIGHT FLOW = 93.59

PRESSURE RATIO = 1.2552

INLET		PCT SPAN	96.9C	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA	
	BETA C	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	V 0	357.64	357.64	357.64	357.64	357.64	357.64	357.64	357.64	357.64	V 0	
	V 1	398.76	404.56	405.68	404.56	369.27	366.50	341.10	336.03	331.09	V 1	
	VZ 0	357.64	357.64	357.64	357.64	357.64	357.64	357.64	357.64	357.64	VZ 0	
	VZ 1	398.76	404.56	405.68	404.55	389.21	366.44	341.02	335.95	331.07	VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	M 0	0.3237	0.3237	0.3237	0.3237	0.3237	0.3237	0.3237	0.3237	0.3237	M 0	
	M 1	0.3618	0.3672	0.3683	0.3672	0.3530	0.3319	0.3084	0.3038	0.2992	M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR	
	DFAC	-0.115	-0.131	-0.134	-0.131	-0.088	-0.025	0.046	0.060	0.074	DFAC	
	EFFP	0.9999	0.9999	0.9999	0.9999	1.0000	0.9995	0.9999	1.0001	1.0001	EFFP	
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM	
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
SLOTTED NOTCH 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.308	39.752	40.135	DIA	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	BETA 2	55.450	54.790	50.320	41.350	39.400	49.600	68.680	73.500	76.740	BETA 2	
	BETA(PR) 1	56.606	56.605	56.820	57.885	60.100	62.651	65.028	65.580	66.129	BETA(PR) 1	
	BETA(PR) 2	4.537	12.495	14.521	18.695	24.412	32.584	48.852	55.735	62.193	BETA(PR) 2	
	V 1	398.76	404.56	405.68	404.56	369.27	366.50	341.10	336.03	331.09	V 1	
	V 2	698.90	650.03	661.82	702.15	680.29	594.01	533.75	527.93	520.69	V 2	
	VZ 1	398.76	404.56	405.68	404.55	389.21	366.44	341.02	335.95	331.07	VZ 1	
	VZ 2	398.40	374.79	422.57	527.03	525.52	384.88	194.04	149.93	119.43	VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	V-THETA 2	575.65	531.10	509.34	463.82	431.57	452.23	497.17	506.16	506.79	V-THETA 2	
	VIPR) 1	724.5	735.0	741.3	761.0	780.8	797.7	807.8	812.6	818.1	VIPR) 1	
	VIPR) 2	397.6	383.9	437.1	556.5	577.4	457.0	295.0	266.4	256.1	VIPR) 2	
	VTHETA PR1	-604.5	-613.7	-620.4	-644.5	-676.9	-708.5	-732.2	-739.9	-748.1	VTHETA PR1	
	VTHETA PR2	-31.5	-83.1	-111.8	-178.3	-238.5	-246.0	-222.1	-220.1	-226.4	VTHETA PR2	
	U 1	604.89	613.66	620.42	644.54	676.87	708.48	732.23	739.90	748.12	U 1	
	U 2	607.14	614.16	621.15	642.16	670.15	698.21	719.22	726.24	733.24	U 2	
M 1	0.3618	0.3672	0.3683	0.3672	0.3530	0.3319	0.3084	0.3038	0.2992	M 1		
M 2	0.6181	0.5736	0.5837	0.6237	0.6033	0.5233	0.4671	0.4611	0.4543	M 2		
MIPR) 1	0.5574	0.6672	0.6729	0.6908	0.7081	0.7223	0.7304	0.7346	0.7394	MIPR) 1		
MIPR) 2	0.3517	0.3387	0.3355	0.4943	0.5120	0.4026	0.2581	0.2326	0.2234	MIPR) 2		
TURN(PR)	52.005	44.110	42.000	39.193	35.696	30.032	16.192	5.860	3.953	TURN(PR)		
UUBAR	0.2989	0.3231	0.2499	0.0579	0.0720	0.3626	0.5889	0.6113	0.6122	UUBAR		
LOSS PARA	0.1173	0.1256	0.0969	0.0228	0.0285	0.1383	0.1807	0.1621	0.1358	LOSS PARA		
DFAC	0.7645	0.7656	0.6872	0.5220	0.4996	0.6819	0.9193	0.9628	0.9786	DFAC		
EFFP	0.3502	0.7982	0.7933	0.9451	0.9175	0.7416	0.5972	0.5771	0.5764	EFFP		
EFF	0.4435	0.7906	0.7905	0.9427	0.9141	0.7334	0.5864	0.5658	0.5650	EFF		
INCID	0.176	0.385	0.540	0.185	-1.193	-3.203	-5.158	-6.315	-7.722	INCID		
DEVM	15.037	15.995	15.020	9.941	8.001	13.465	25.550	36.664	43.525	DEVM		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
P 2	15.740	19.100	19.270	19.905	19.635	18.405	17.710	17.705	17.725	P 2		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
T 2	572.800	569.750	571.550	568.550	567.700	565.700	567.160	568.850	569.230	T 2		
SLOTTED STATION 4		PCT SPAN	94.90	90.34	84.87	69.08	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.930	35.015	36.490	37.885	38.945	39.300	39.650	DIA	
	BETA 2	55.450	54.790	50.320	41.350	39.400	49.600	68.680	73.500	76.740	BETA 2	
	BETA 2A	2.100	3.240	6.500	8.520	8.500	7.550	6.220	4.900	3.200	BETA 2A	
	V 2	698.90	650.03	661.82	702.15	680.29	594.01	533.75	527.93	520.69	V 2	
	V 2A	476.61	472.95	470.10	524.27	536.08	463.11	373.40	339.68	349.03	V 2A	
	VZ 2	398.40	374.79	422.57	527.03	525.52	384.88	194.04	149.93	119.43	VZ 2	
	VZ 2A	476.25	472.20	467.03	518.48	530.19	458.66	376.17	338.43	348.49	VZ 2A	
	V-THETA 2	575.65	531.10	509.34	463.82	431.57	452.23	497.17	506.16	506.79	V-THETA 2	
	V-THETA 2A	17.44	26.73	53.22	77.07	79.24	64.05	41.00	29.01	19.48	V-THETA 2A	
	M 2	0.6181	0.5736	0.5837	0.6237	0.6033	0.5233	0.4671	0.4611	0.4543	M 2	
	M 2A	0.4131	0.4110	0.4078	0.4579	0.4690	0.4036	0.3276	0.2930	0.3011	M 2A	
	TURN(PR)	53.350	43.819	32.824	30.886	41.630	62.445	68.588	73.530	73.530	TURN(PR)	
	UUBAR	0.2222	0.2193	0.2342	0.1123	0.0629	0.0993	0.1587	0.1824	0.1855	UUBAR	
	LOSS PARA	0.0914	0.0911	0.0979	0.0483	0.0281	0.0463	0.0764	0.0885	0.0926	LOSS PARA	
	DFAC	0.6474	0.5958	0.5803	0.4930	0.4475	0.5294	0.7068	0.8003	0.7933	DFAC	
	EFFP	0.5874	0.6690	0.5565	0.6369	0.8057	1.0895	1.1078	0.9626	1.0151	EFFP	
	INCID	1.040	2.920	0.089	-5.830	-0.914	0.830	16.265	19.568	20.930	INCID	
DEVM	18.580	18.830	21.120	21.040	20.170	20.470	20.340	19.850	19.150	DEVM		
P 2j	19.450	19.200	19.120	19.360	19.575	19.150	18.450	18.275	18.375	P 2j		
P 2A	15.630	18.437	18.302	19.067	19.275	18.528	17.854	17.648	17.746	P 2A		
T 2	572.800	569.750	571.550	568.550	567.700	565.700	567.160	568.850	569.230	T 2		
T 2A	572.800	569.750	571.550	568.550	567.700	565.700	567.160	568.850	569.230	T 2A		

Table B-2. Blade Element Performance, Slotted
Rotor 4, Slotted Stator 4 (Concluded)

PERCENT EQUIVALENT DESIGN SPEED = 99.14											EQUIVALENT ROTOR SPEED = 4174.00											CORRECTED WEIGHT FLOW = 90.03											PRESSURE RATIO = 1.2561										
INLET																																											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN	STATION 1 STATION 2	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN	STATION 2 STATION 3	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN								
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA		DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA								
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0		BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0		BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0								
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1								
	V 0	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	V 0		V 0	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	V 0		V 0	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	V 0								
	V 1	415.17	417.51	420.31	423.55	410.92	386.94	368.59	362.11	356.78	V 1		V 1	415.17	417.51	420.31	423.55	410.92	386.94	368.59	362.11	356.78	V 1		V 1	415.17	417.51	420.31	423.55	410.92	386.94	368.59	362.11	356.78	V 1								
	VZ 0	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	VZ 0		VZ 0	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	VZ 0		VZ 0	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	342.55	VZ 0								
	VZ 1	415.17	417.51	420.31	423.54	410.86	386.88	368.50	362.02	356.76	VZ 1		VZ 1	415.17	417.51	420.31	423.54	410.86	386.88	368.50	362.02	356.76	VZ 1		VZ 1	415.17	417.51	420.31	423.54	410.86	386.88	368.50	362.02	356.76	VZ 1								
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0		V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0		V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0								
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1								
	M 0	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	M 0		M 0	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	M 0		M 0	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	0.3098	M 0								
	M 1	0.3771	0.3793	0.3819	0.3850	0.3732	0.3508	0.3338	0.3278	0.3229	M 1		M 1	0.3771	0.3793	0.3819	0.3850	0.3732	0.3508	0.3338	0.3278	0.3229	M 1		M 1	0.3771	0.3793	0.3819	0.3850	0.3732	0.3508	0.3338	0.3278	0.3229	M 1								
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN		TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN		TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN								
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR		UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR								
	DFAC	-0.212	-0.219	-0.227	-0.236	-0.200	-0.130	-0.076	-0.057	-0.042	DFAC		DFAC	-0.212	-0.219	-0.227	-0.236	-0.200	-0.130	-0.076	-0.057	-0.042	DFAC		DFAC	-0.212	-0.219	-0.227	-0.236	-0.200	-0.130	-0.076	-0.057	-0.042	DFAC								
	EFFP	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	EFFP		EFFP	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	EFFP		EFFP	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	EFFP								
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID		INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID		INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID								
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM		DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM		DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM								
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0								
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1								
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0											
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1											
SLOTTED																																											
STATION 1 STATION 2 STATION 2A	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN	STATION 2 STATION 3 STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN	STATION 3 STATION 4 STATION 5	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN								
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA		DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA		DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA								
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1		BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1									
	BETA 2	55.400	55.250	51.350	41.100	38.500	44.000	63.700	67.900	70.900	BETA 2		BETA 2	55.400	55.250	51.350	41.100	38.500	44.000	63.700	67.900	70.900	BETA 2		BETA 2	55.400	55.250	51.350	41.100	38.500	44.000	63.700	67.900	70.900	BETA 2								
	BETA(PRI) 1	55.453	55.688	55.801	56.608	58.663	61.287	63.214	63.858	64.435	BETA(PRI) 1		BETA(PRI) 1	55.453	55.688	55.801	56.608	58.663	61.287	63.214	63.858	64.435	BETA(PRI) 1		BETA(PRI) 1	55.453	55.688	55.801	56.608	58.663	61.287	63.214	63.858	64.435	BETA(PRI) 1								
	BETA(PRI) 2	5.698	13.905	15.604	19.416	24.617	30.263	43.305	47.801	52.551	BETA(PRI) 2		BETA(PRI) 2	5.698	13.905	15.604	19.416	24.617	30.263	43.305	47.801	52.551	BETA(PRI) 2		BETA(PRI) 2	5.698	13.905	15.604	19.416	24.617	30.263	43.305	47.801	52.551	BETA(PRI) 2								
	V 1	415.17	417.51	420.31	423.55	410.92	386.94	368.59	362.11	356.78	V 1		V 1	415.17	417.51	420.31	423.55	410.92	386.94	368.59	362.11	356.78	V 1		V 1	415.17	417.51	420.31	423.55	410.92	386.94	368.59	362.11	356.78	V 1								
	V 2	637.95	635.93	648.14	693.66	681.19	624.83	539.60	539.75	532.75	V 2		V 2	637.95	635.93	648.14	693.66	681.19	624.83	539.60	539.75	532.75	V 2		V 2	637.95	635.93	648.14	693.66	681.19	624.83	539.60	539.75	532.75	V 2								
	VZ 1	415.17	417.51	420.31	423.54	410.86	386.88	368.50	362.02	356.76	VZ 1		VZ 1	415.17	417.51	420.31	423.54	410.86	386.88	368.50	362.02	356.76	VZ 1		VZ 1	415.17	417.51	420.31	423.54	410.86	386.88	368.50	362.02	356.76	VZ 1								
	VZ 2	390.65	362.48	404.80	522.66	532.94	449.30	239.05	203.05	174.31	VZ 2		VZ 2	390.65	362.48	404.80	522.66	532.94	449.30	239.05	203.05	174.31	VZ 2		VZ 2	390.65	362.48	404.80	522.66	532.94	449.30	239.05	203.05	174.31	VZ 2								
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1		V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1									
	V-THETA 2	506.28	522.51	506.18	455.94	423.92	433.89	483.67	500.04	503.38	V-THETA 2		V-THETA 2	506.28	522.51	506.18	455.94	423.92	433.89	483.67	500.04	503.38	V-THETA 2		V-THETA 2	506.28	522.51	506.18	455.94	423.92	433.89	483.67	500.04	503.38	V-THETA 2								
	V(PRI) 1	732.1	740.6	747.8	759.6	790.0	805.3	817.7	821.7	826.7	V(PRI) 1		V(PRI) 1	732.1	740.6	747.8	759.6	790.0	805.3	817.7	821.7	826.7	V(PRI) 1		V(PRI) 1	732.1	740.6	747.8	759.6	790.0	80												

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor

PERCENT EQUIVALENT DESIGN SPEED = 69.36 EQUIVALENT ROTOR SPEED = 2920.00 CORRECTED WEIGHT FLOW = 91.51 PRESSURE RATIO = 1.0665

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION C STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	348.75	348.79	348.79	348.79	348.79	348.79	348.79	348.79	348.79	348.79	V 0
	V 1	407.11	405.84	407.59	407.27	401.03	396.82	408.07	398.12	383.60	383.60	V 1
	VZ 0	348.75	348.75	348.79	348.79	348.79	348.79	348.79	348.79	348.79	348.79	VZ 0
	VZ 1	407.11	405.84	407.59	407.27	400.97	396.76	407.97	398.02	383.58	383.58	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3155	0.3155	0.3155	0.3155	0.3155	0.3155	0.3155	0.3155	0.3155	0.3155	M 0
	M 1	0.3696	0.3684	0.3701	0.3698	0.3639	0.3600	0.3705	0.3612	0.3477	0.3477	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.167	-0.164	-0.169	-0.168	-0.150	-0.138	-0.170	-0.141	-0.100	-0.100	DFAC
	EFFP	1.0000	0.9999	1.0000	1.0000	0.9999	0.9999	0.9999	1.0000	0.9998	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED STATOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	41.770	35.780	33.460	29.610	28.150	28.070	27.850	29.200	31.350	31.350	BETA 2
	BETA(PR) 1	40.018	40.520	46.710	47.822	49.655	51.235	51.378	52.356	53.677	53.677	BETA(PR) 1
	BETA(PR) 2	13.494	15.317	17.523	23.165	26.218	32.581	34.151	35.417	39.046	39.046	BETA(PR) 2
	V 1	407.11	405.84	407.59	407.27	401.03	396.82	408.07	398.12	383.60	383.60	V 1
	V 2	501.02	530.83	531.68	517.17	518.09	470.98	470.40	457.12	421.81	421.81	V 2
	VZ 1	407.11	405.84	407.59	407.27	400.97	396.76	407.97	398.02	383.58	383.58	VZ 1
	VZ 2	373.67	430.65	443.56	449.56	454.87	415.35	415.67	398.80	360.03	360.03	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	333.75	310.36	293.14	255.49	243.39	221.50	219.62	222.88	219.33	219.33	V-THETA 2
	V(PR) 1	566.3	589.8	544.4	606.6	619.4	633.7	651.7	651.7	647.6	647.6	V(PR) 1
	V(PR) 2	384.3	440.5	465.2	489.1	507.2	493.2	502.5	489.6	463.8	463.8	V(PR) 2
	VTHETA PR1	-421.9	-428.0	-432.7	-449.5	-472.1	-494.1	-510.7	-516.0	-521.7	-521.7	VTHETA PR1
	VTHETA PR2	-65.7	-117.9	-140.0	-192.4	-224.0	-265.4	-282.0	-283.6	-292.0	-292.0	VTHETA PR2
	U 1	421.85	427.97	432.68	449.50	472.05	494.09	510.66	516.01	521.74	521.74	U 1
	U 2	423.42	428.31	433.19	447.84	467.39	486.93	501.58	506.48	511.36	511.36	U 2
	M 1	0.3696	0.3684	0.3701	0.3698	0.3639	0.3600	0.3705	0.3612	0.3477	0.3477	M 1
	M 2	0.4486	0.4771	0.4777	0.4646	0.4641	0.4220	0.4217	0.4095	0.3768	0.3768	M 2
	M(PR) 1	0.5323	0.5354	0.5397	0.5507	0.5621	0.5750	0.5935	0.5914	0.5870	0.5870	M(PR) 1
	M(PR) 2	0.3441	0.4013	0.4179	0.4393	0.4561	0.4419	0.4505	0.4386	0.4143	0.4143	M(PR) 2
	TURN(PR)	32.524	31.203	29.188	24.661	23.444	18.609	17.241	16.952	14.651	14.651	TURN(PR)
	UUBAR	0.3452	0.1966	0.1593	0.1032	0.0835	0.1651	0.1835	0.2257	0.2964	0.2964	UUBAR
	LOSS PARA	0.1314	0.0755	0.0612	0.0395	0.0325	0.0630	0.0708	0.0866	0.1094	0.1094	LOSS PARA
	DFAC	0.0691	0.4526	0.4162	0.3668	0.3510	0.3789	0.3865	0.4083	0.4432	0.4432	DFAC
	EFFP	0.6618	0.6407	0.6212	0.6343	0.6045	0.7096	0.7024	0.6579	0.5084	0.5084	EFFP
	EFF	0.6573	0.6382	0.6183	0.6318	0.6030	0.7060	0.6969	0.6542	0.5042	0.5042	EFF
	INCID	-15.412	-9.700	-9.570	-9.878	-11.639	-14.619	-16.308	-19.541	-20.174	-20.174	INCID
	DEVM	21.994	18.317	17.723	13.410	9.807	13.462	14.850	16.347	20.375	20.375	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.133	16.418	16.418	16.350	16.390	16.002	15.945	15.847	15.598	15.598	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	540.050	538.630	539.090	538.020	536.910	536.820	536.230	536.000	536.400	536.400	T 2
SLOTTED STATOR 2A		PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.930	35.015	36.450	37.835	38.945	39.300	39.650	39.650	DIA
	BETA 2	41.770	35.780	33.460	29.610	28.150	28.070	27.850	29.200	31.350	31.350	BETA 2
	BETA 2A	8.090	6.210	6.730	3.420	3.840	4.940	6.100	6.890	7.560	7.560	BETA 2A
	V 2	501.02	530.83	531.68	517.17	518.09	470.98	470.40	457.12	421.81	421.81	V 2
	V 2A	451.64	434.50	446.93	469.90	481.28	441.28	411.93	398.40	377.89	377.89	V 2A
	VZ 2	373.67	430.65	443.56	449.56	454.87	415.35	415.67	398.80	360.03	360.03	VZ 2
	VZ 2A	440.21	425.85	445.90	469.07	480.20	439.64	409.60	395.52	374.60	374.60	VZ 2A
	V-THETA 2	333.75	310.36	293.14	255.49	243.39	221.50	219.62	222.88	219.33	219.33	V-THETA 2
	V-THETA 2A	69.80	62.02	52.38	26.03	32.23	38.00	43.77	47.79	49.72	49.72	V-THETA 2A
	M 2	0.4486	0.4771	0.4777	0.4646	0.4641	0.4220	0.4217	0.4095	0.3768	0.3768	M 2
	M 2A	0.4029	0.3674	0.3989	0.4205	0.4315	0.3945	0.3678	0.3555	0.3366	0.3366	M 2A
	TURN(PR)	32.866	27.570	26.729	26.185	24.298	23.113	21.732	22.291	23.770	23.770	TURN(PR)
	UUBAR	0.3420	0.2390	0.1379	0.0955	0.0788	0.0879	0.1324	0.1254	0.1886	0.1886	UUBAR
	LOSS PARA	0.1394	0.0984	0.0576	0.0414	0.0355	0.0411	0.0636	0.0607	0.0920	0.0920	LOSS PARA
	DFAC	0.3153	0.3769	0.3503	0.2830	0.2533	0.2474	0.3065	0.3170	0.3039	0.3039	DFAC
	EFFP	0.5401	0.2663	0.2934	0.3468	0.2124	0.0557	0.1322	0.1157	0.0975	0.0975	EFFP
	INCID	-12.640	-16.090	-16.771	-17.575	-13.162	-20.697	-24.563	-24.735	-24.469	-24.469	INCID
	DEVM	25.370	23.800	21.350	15.940	15.510	17.460	20.220	21.840	23.510	23.510	DEVM
	P 2	16.920	16.350	16.180	16.280	16.310	15.930	15.770	15.650	15.600	15.600	P 2
	P 2A	19.935	15.800	15.885	16.072	16.139	15.774	15.550	15.458	15.325	15.325	P 2A
	T 2	540.050	538.630	539.090	538.020	536.910	536.820	536.230	536.000	536.400	536.400	T 2
	T 2A	540.050	538.630	539.090	538.020	536.910	536.820	536.230	536.000	536.400	536.400	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 70.02			EQUIVALENT ROTOR SPEED = 2948.00			CORRECTED WEIGHT FLOW = 86.17			PRESSURE RATIO = 1.1011			
INLET												
STATION C STATION 1	PCT SPAN	56.90	91.17	86.75	71.00	49.68	29.24	13.72	8.71	3.34	PCT SPAN	
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA	
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	V 0	326.42	326.42	326.42	326.42	326.42	326.42	326.42	326.42	326.42	V 0	
	V 1	367.20	369.63	370.15	371.01	365.62	359.81	366.50	359.81	349.57	V 1	
	VZ 0	326.42	326.42	326.42	326.42	326.42	326.42	326.42	326.42	326.42	VZ 0	
	VZ 1	367.20	369.63	370.15	371.00	365.57	359.76	366.41	359.72	349.55	VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	M 0	0.2949	0.2949	0.2949	0.2949	0.2949	0.2949	0.2949	0.2949	0.2949	M 0	
	M 1	0.3325	0.3348	0.3353	0.3361	0.3311	0.3257	0.3319	0.3257	0.3162	M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR	
	DFAC	-0.125	-0.132	-0.134	-0.137	-0.120	-0.102	-0.123	-0.102	-0.071	DFAC	
	EFFP	1.0000	1.0001	0.9999	0.9998	0.9998	1.0000	0.9999	1.0000	1.0000	EFFP	
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	
DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM		
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
SLOTTED												
STATION 1 STATION 2 STATION 2A	PCT SPAN	99.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN	
	DIA	33.233	33.617	34.000	35.150	36.884	38.218	39.368	39.752	40.135	DIA	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	BETA 2	43.580	43.490	39.740	34.430	32.950	33.780	34.900	37.000	39.500	BETA 2	
	BETA (PR) 1	49.233	49.454	49.723	50.733	52.509	54.201	54.598	55.375	56.432	BETA (PR) 1	
	BETA (PR) 2	10.680	14.488	17.120	21.009	25.277	30.821	36.789	38.085	41.775	BETA (PR) 2	
	V 1	367.20	369.63	370.15	371.01	365.62	359.81	366.50	359.81	349.57	V 1	
	V 2	367.05	363.60	359.12	352.03	302.38	267.58	227.40	166.70	139.70	V 2	
	VZ 1	367.20	369.63	370.15	371.00	365.57	359.76	366.41	359.72	349.55	VZ 1	
	VZ 2	360.69	358.25	383.79	422.27	421.17	388.45	350.35	332.63	300.56	VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	V-THETA 2	303.51	339.85	319.08	289.46	272.99	259.85	244.41	250.65	247.76	V-THETA 2	
	V (PR) 1	502.3	508.6	572.6	580.2	600.7	615.1	632.5	633.1	632.2	V (PR) 1	
	V (PR) 2	340.1	370.0	401.6	452.6	460.0	452.6	437.7	422.8	403.2	V (PR) 2	
	VTHETA PR1	-432.5	-432.1	-438.8	-453.8	-476.6	-498.8	-515.6	-521.0	-526.7	VTHETA PR1	
	VTHETA PR2	-04.2	-92.6	-118.3	-162.7	-194.9	-231.8	-252.0	-260.7	-268.5	VTHETA PR2	
	U 1	425.90	432.07	436.83	453.81	476.58	498.83	515.55	520.95	526.74	U 1	
	U 2	427.48	432.42	437.34	452.14	471.87	491.60	506.39	511.33	516.20	U 2	
	M 1	0.3325	0.3340	0.3353	0.3361	0.3311	0.3257	0.3319	0.3257	0.3162	M 1	
	M 2	0.4445	0.4415	0.4462	0.4484	0.4496	0.4477	0.4307	0.3709	0.3462	M 2	
	M (PR) 1	0.5093	0.5150	0.5186	0.5310	0.5435	0.5568	0.5728	0.5731	0.5719	M (PR) 1	
	M (PR) 2	0.3091	0.3306	0.3590	0.4052	0.4173	0.4043	0.3899	0.3763	0.3582	M (PR) 2	
	TURN (PR)	38.547	34.965	32.597	29.067	27.239	23.394	17.824	17.304	14.677	TURN (PR)	
	UUBAR	0.3031	0.2818	0.1934	0.0669	0.0509	0.1213	0.1927	0.2343	0.2789	UUBAR	
	LOSS PARA	0.1192	0.1010	0.0744	0.0266	0.0209	0.0472	0.0720	0.0868	0.0989	LOSS PARA	
	DFAC	0.5094	0.5374	0.5232	0.4331	0.4208	0.4541	0.4866	0.5169	0.5467	DFAC	
	EFFP	0.7061	0.7994	0.7983	0.8950	0.9430	0.8433	0.6983	0.6628	0.5948	EFFP	
	EFF	0.7061	0.7994	0.7983	0.8950	0.9430	0.8433	0.6983	0.6628	0.5948	EFF	
	INCID	-7.197	-6.766	-6.557	-6.366	-6.765	-11.653	-15.589	-16.522	-17.420	INCID	
	DEVM	19.186	17.508	17.326	11.315	5.866	11.703	17.488	19.014	23.103	DEVM	
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1	
	P 2	16.556	16.522	16.575	15.765	16.775	16.522	16.190	16.125	15.972	P 2	
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
	T 2	540.300	540.900	541.550	540.980	539.940	539.720	539.690	539.900	539.900	T 2	
SLOTTED												
STATION 2 STATION 2A	PCT SPAN	94.90	92.34	84.97	69.08	49.58	29.48	14.64	9.68	4.76	PCT SPAN	
	DIA	33.210	33.540	33.530	35.015	36.450	37.885	38.945	39.300	39.650	DIA	
	BETA 2	40.840	43.490	39.740	34.430	32.950	33.780	34.900	37.000	39.500	BETA 2	
	BETA 2A	5.650	6.040	6.010	4.200	4.050	3.140	5.800	6.270	6.800	BETA 2A	
	V 2	367.05	363.60	359.12	352.03	302.38	267.58	227.40	166.70	139.70	V 2	
	V 2A	365.46	362.39	361.57	413.78	433.76	407.20	379.75	365.29	352.76	V 2A	
	VZ 2	360.69	358.25	383.79	422.27	421.17	388.45	350.35	332.63	300.56	VZ 2	
	VZ 2A	367.43	380.27	377.47	412.07	437.04	405.56	377.80	363.11	350.28	VZ 2A	
	V-THETA 2	363.31	339.85	319.08	289.46	272.99	259.85	244.41	250.65	247.76	V-THETA 2	
	V-THETA 2A	39.70	40.24	39.95	30.30	31.29	36.48	38.38	39.50	41.77	V-THETA 2A	
	M 2	0.4445	0.4415	0.4462	0.4484	0.4496	0.4477	0.4307	0.3709	0.3462	M 2	
	M 2A	0.3452	0.3393	0.3383	0.3378	0.3311	0.3222	0.3372	0.3241	0.3127	M 2A	
	TURN (PR)	41.040	37.450	35.729	30.224	28.647	24.621	29.079	30.709	32.678	TURN (PR)	
	UUBAR	0.1961	0.1780	0.1591	0.0831	0.0614	0.0921	0.0789	0.1448	0.1514	UUBAR	
	LOSS PARA	0.0803	0.0737	0.0666	0.0359	0.0277	0.0431	0.0380	0.0702	0.0732	LOSS PARA	
	DFAC	0.4056	0.4766	0.4714	0.4124	0.3448	0.3551	0.3462	0.3720	0.3571	DFAC	
	EFFP	0.7070	0.6750	0.6149	0.6197	0.7176	0.6397	0.6006	0.7789	0.9338	EFFP	
	INCID	-6.920	-6.380	-10.491	-12.755	-13.363	-14.549	-17.521	-16.541	-16.322	INCID	
	DEVM	22.330	21.630	20.630	16.720	15.763	17.660	19.920	21.220	22.750	DEVM	
	P 2	16.750	16.620	16.550	16.620	16.750	16.520	16.270	16.180	16.180	P 2	
	P 2A	16.300	16.234	16.217	16.445	16.613	16.348	16.142	16.040	15.956	P 2A	
	T 2	542.300	540.900	541.550	540.980	539.940	539.720	539.690	539.900	539.900	T 2	
	T 2A	542.300	540.900	541.550	540.980	539.940	539.720	539.690	539.900	539.900	T 2A	

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.71 EQUIVALENT ROTOR SPEED = 2935.00 CORRECTED WEIGHT FLOW = 81.84 PRESSURE RATIO = 1.1152											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	308.61	308.61	308.61	308.61	308.61	308.61	308.61	308.61	308.61	V 0
	V 1	344.24	346.09	347.56	350.29	347.56	340.35	343.88	337.35	330.33	V 1
	VZ 0	308.61	308.61	308.61	308.61	308.61	308.61	308.61	308.61	308.61	VZ 0
	VZ 1	344.24	346.09	347.56	350.29	347.56	340.35	343.88	337.35	330.33	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2786	0.2786	0.2786	0.2786	0.2786	0.2786	0.2786	0.2786	0.2786	M 0
	M 1	0.3113	0.3130	0.3144	0.3169	0.3144	0.3077	0.3110	0.3050	0.2985	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.115	-0.121	-0.126	-0.135	-0.126	-0.103	-0.114	-0.093	-0.070	DFAC
	EFFP	0.9996	0.9996	0.9996	0.9996	0.9996	0.9997	0.9999	0.9997	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1											
STATION 2											
STATION 2A	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.213	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	43.800	47.930	44.160	36.320	35.540	36.620	38.250	41.440	45.230	BETA 2
	BETA(PRI) 1	50.928	51.181	51.369	52.214	53.781	55.581	56.186	56.965	57.795	BETA(PRI) 1
	BETA(PRI) 2	10.935	14.864	10.947	20.113	24.801	29.678	37.552	38.867	40.509	BETA(PRI) 2
	V 1	344.24	346.09	347.56	350.29	347.56	340.35	343.88	337.35	330.33	V 1
	V 2	463.61	467.36	475.73	504.46	490.92	464.62	412.49	462.28	392.01	V 2
	VZ 1	344.24	346.09	347.56	350.29	347.56	340.35	343.88	337.35	330.33	VZ 1
	VZ 2	313.68	313.49	341.29	403.77	399.33	372.73	323.78	301.44	275.98	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	364.03	347.31	331.42	302.28	285.26	277.02	255.25	266.13	278.20	V-THETA 2
	V(PRI) 1	364.03	352.1	356.7	571.7	588.2	602.1	617.8	618.7	619.8	V(PRI) 1
	V(PRI) 2	324.0	324.3	356.8	430.1	440.1	429.2	408.6	387.3	363.1	V(PRI) 2
	VTHETA PRI 1	-424.0	-430.2	-434.9	-451.8	-474.5	-496.6	-513.3	-518.7	-524.4	VTHETA PRI 1
	VTHETA PRI 2	-61.6	-83.2	-104.0	-147.9	-184.5	-212.4	-248.9	-235.8	-235.8	VTHETA PRI 2
	U 1	424.02	430.17	434.90	451.61	474.48	496.63	513.28	518.66	524.42	U 1
	U 2	425.59	430.51	435.42	450.14	469.79	489.43	504.16	509.08	513.98	U 2
	M 1	0.3113	0.3130	0.3144	0.3169	0.3144	0.3077	0.3110	0.3050	0.2985	M 1
	M 2	0.4315	0.4170	0.4242	0.4512	0.4338	0.4146	0.3666	0.3572	0.3477	M 2
	M(PRI) 1	0.4495	0.4994	0.5036	0.5172	0.5320	0.5444	0.5587	0.5593	0.5601	M(PRI) 1
	M(PRI) 2	0.2395	0.2891	0.3142	0.3447	0.3935	0.3830	0.3631	0.3439	0.3221	M(PRI) 2
	TURN(PRI)	39.993	36.317	34.423	32.104	28.937	25.915	18.649	18.113	17.306	TURN(PRI)
	UUBAR	0.2891	0.2992	0.2338	0.0559	0.0306	0.1029	0.1800	0.2299	0.2837	UUBAR
	LOSS PARA	0.1118	0.1152	0.0991	0.0219	0.0100	0.0405	0.0666	0.0843	0.1025	LOSS PARA
	DFAC	0.6686	0.6632	0.5990	0.4675	0.4615	0.4938	0.5296	0.5746	0.6253	DFAC
	EFFP	0.7846	0.7435	0.7735	0.9354	0.7435	0.8954	0.7196	0.6937	0.6634	EFFP
	EFF	0.7809	0.7443	0.7747	0.9341	0.7475	0.8934	0.7153	0.6891	0.6585	EFF
	INCID	-5.502	-5.035	-4.911	-5.487	-7.513	-10.274	-14.001	-14.931	-16.056	INCID
	DEVH	17.435	18.364	17.160	10.359	8.390	10.560	18.250	19.796	21.837	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.595	16.505	16.578	16.906	16.936	16.735	15.345	16.300	16.252	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.700	542.230	542.180	541.400	541.080	540.680	541.100	541.340	541.710	T 2
STATION 2A											
STATION 2A	PCT SPAN	94.96	90.34	84.87	69.66	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	39.395	39.300	39.650	DIA
	BETA 2	43.800	47.930	44.160	36.320	35.540	36.620	38.250	41.440	45.230	BETA 2
	BETA 2A	4.250	4.580	4.830	4.130	4.200	5.140	6.560	7.550	8.400	BETA 2A
	V 2	463.61	467.36	475.73	504.46	490.92	464.62	412.49	402.26	392.01	V 2
	V 2A	300.75	355.07	342.96	382.35	419.30	391.66	365.89	344.89	328.93	V 2A
	VZ 2	313.68	313.49	341.29	403.77	399.33	372.73	323.78	301.44	275.98	VZ 2
	VZ 2A	359.80	353.88	341.76	381.36	418.17	390.08	363.93	341.90	325.40	VZ 2A
	V-THETA 2	364.03	347.31	331.42	302.28	285.26	277.02	255.25	266.13	278.20	V-THETA 2
	V-THETA 2A	26.74	28.97	26.70	27.54	30.71	35.09	41.42	45.32	48.05	V-THETA 2A
	M 2	0.4315	0.4170	0.4242	0.4512	0.4338	0.4146	0.3666	0.3572	0.3477	M 2
	M 2A	0.3191	0.3141	0.3032	0.3391	0.3724	0.3478	0.3242	0.3052	0.2907	M 2A
	TURN(PRI)	44.550	43.250	39.359	32.684	31.320	31.460	31.728	33.868	36.808	TURN(PRI)
	UUBAR	0.1620	0.1405	0.1202	0.1137	0.0387	0.0929	0.0223	0.1390	0.1158	UUBAR
	LOSS PARA	0.0665	0.0584	0.0504	0.0492	0.0173	0.0434	0.0107	0.0671	0.0564	LOSS PARA
	DFAC	0.5417	0.5247	0.5474	0.4793	0.3814	0.4033	0.3654	0.4126	0.4523	DFAC
	EFFP	0.7550	0.8886	0.7488	0.6751	0.8578	0.7228	1.1253	0.8829	0.7751	EFFP
	INCID	-5.010	-3.946	-0.071	-10.366	-10.774	-12.150	-14.171	-12.502	-10.592	INCID
	DEVH	20.730	20.270	19.420	16.650	15.670	17.660	20.620	22.500	24.350	DEVH
	P 2	16.800	16.700	16.560	16.900	16.900	16.750	16.420	16.470	16.161	P 2
	P 2A	16.451	16.411	16.330	16.579	16.319	16.575	16.386	16.255	16.161	P 2A
	T 2	542.700	542.230	542.130	541.030	541.030	540.680	541.100	541.340	541.710	T 2
	T 2A	542.790	542.230	542.180	541.400	541.080	540.680	541.100	541.340	541.710	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.48 EQUIVALENT ROTOR SPEED = 2925.00 CORRECTED WEIGHT FLOW = 76.93 PRESSURE RATIO = 1.1271											
INLET											
STATION 0 STATION 1	PCT SPAN	56.90	91.17	86.75	71.60	49.86	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.250	37.050	38.780	40.090	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	288.74	288.74	288.74	288.74	288.74	288.74	288.74	288.74	288.74	V 0
	V 1	319.43	321.99	322.97	325.12	324.14	318.44	322.38	311.84	304.89	V 1
	VZ 0	288.74	288.74	288.74	288.74	288.74	288.74	288.74	288.74	288.74	VZ 0
	VZ 1	319.43	321.99	322.97	325.11	324.10	318.39	322.31	311.76	304.88	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	M 0
	M 1	0.2605	0.2709	0.2918	0.2937	0.2928	0.2876	0.2912	0.2815	0.2752	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.106	-0.115	-0.119	-0.126	-0.123	-0.103	-0.117	-0.080	-0.056	DFAC
	EFFP	0.9998	1.0002	1.0000	1.0001	0.9999	0.9999	1.0001	0.9997	0.9996	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 1 STATION 2	PCT SPAN	56.01	50.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.151	36.664	38.218	39.369	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA(PRI) 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA(PRI) 1
	BETA(PRI) 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA(PRI) 2
	V 1	319.43	321.99	322.97	325.12	324.14	318.44	322.38	311.84	304.89	V 1
	V 2	461.85	444.82	457.06	491.66	476.96	461.85	411.26	411.95	416.88	V 2
	VZ 1	319.43	321.99	322.97	325.11	324.10	318.39	322.31	311.76	304.88	VZ 1
	VZ 2	477.41	468.13	479.85	519.33	504.29	489.40	438.26	438.14	443.03	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	393.25	394.92	394.94	312.69	295.39	294.64	273.62	295.17	315.71	V-THETA 2
	V(PRI) 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	V(PRI) 1
	V(PRI) 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	V(PRI) 2
	VTHETA PRI	-422.2	-424.7	-433.4	-450.3	-472.9	-494.9	-511.3	-516.9	-522.6	VTHETA PRI
	VTHETA PRI 2	-30.8	-74.1	-89.0	-135.9	-172.8	-193.1	-223.8	-212.2	-196.5	VTHETA PRI 2
	U 1	422.57	428.70	433.42	450.27	472.60	494.94	511.53	516.89	522.63	U 1
	U 2	424.14	429.64	433.93	448.61	468.19	487.77	502.44	507.34	512.23	U 2
	M 1	0.2605	0.2709	0.2918	0.2937	0.2928	0.2876	0.2912	0.2815	0.2752	M 1
	M 2	0.4287	0.3956	0.4070	0.4391	0.4250	0.4116	0.3652	0.3655	0.3699	M 2
	M(PRI) 1	0.4287	0.4343	0.4383	0.5018	0.5177	0.5315	0.5462	0.5450	0.5461	M(PRI) 1
	M(PRI) 2	0.4287	0.4274	0.4235	0.3599	0.3630	0.3607	0.3341	0.3170	0.2979	M(PRI) 2
	TURN(PRI)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	TURN(PRI)
	UUBAR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	UUBAR
	LCSS PARA	0.1215	0.1215	0.0992	0.0192	0.0098	0.0337	0.0649	0.0837	0.1010	LCSS PARA
	DFAC	0.5510	0.7449	0.6785	0.5083	0.5034	0.5373	0.5905	0.6364	0.6907	DFAC
	EFFP	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.700	542.700	542.250	541.860	541.620	541.750	541.950	542.710	543.190	T 2
SLOTTED											
STATION 1 STATION 2A	PCT SPAN	54.98	50.04	54.87	47.68	47.68	29.43	14.64	9.66	4.76	PCT SPAN
	DIA	32.210	33.540	33.930	35.015	36.450	37.385	38.945	39.300	39.650	DIA
	BETA 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2
	BETA 2A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2A
	V 2	461.85	444.82	457.06	491.66	476.96	461.85	411.26	411.95	416.88	V 2
	V 2A	324.56	321.47	304.72	353.49	369.94	364.43	346.12	326.40	311.86	V 2A
	VZ 2	477.41	468.13	479.85	519.33	504.29	489.40	438.26	438.14	443.03	VZ 2
	VZ 2A	324.56	320.61	303.69	352.14	368.25	362.81	343.46	323.02	308.27	VZ 2A
	V-THETA 2	393.25	394.92	394.94	312.69	295.39	294.64	273.62	295.17	315.71	V-THETA 2
	V-THETA 2A	23.54	23.49	22.58	30.31	31.65	34.30	42.78	46.64	47.17	V-THETA 2A
	M 2	0.4287	0.3956	0.4070	0.4391	0.4250	0.4116	0.3652	0.3655	0.3699	M 2
	M 2A	0.2605	0.2709	0.2918	0.2937	0.2928	0.2876	0.2912	0.2815	0.2752	M 2A
	TURN(PRI)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	TURN(PRI)
	UUBAR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	UUBAR
	LCSS PARA	0.0558	0.0437	0.0538	0.0400	0.0085	0.0425	0.0427	0.0540	0.0605	LCSS PARA
	DFAC	0.5510	0.7449	0.6785	0.5083	0.5034	0.5373	0.5905	0.6364	0.6907	DFAC
	EFFP	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 2	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 2
	P 2A	16.850	16.750	16.680	16.900	16.980	16.900	16.750	16.660	16.580	P 2A
	T 2	543.700	542.700	542.250	541.860	541.620	541.750	541.950	542.710	543.190	T 2
	T 2A	543.700	542.700	542.250	541.860	541.620	541.750	541.950	542.710	543.190	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.76 EQUIVALENT ROTOR SPEED = 2937.00 CORRECTED WEIGHT FLOW = 73.66 PRESSURE RATIO = 1.1348

INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.38	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	275.68	275.68	275.68	275.68	275.68	275.68	275.68	275.68	275.68	V 0
	V 1	306.75	307.98	308.18	312.24	309.20	304.07	299.07	293.56	281.58	V 1
	VZ 0	275.68	275.68	275.68	275.68	275.68	275.68	275.68	275.68	275.68	VZ 0
	VZ 1	306.75	307.98	308.18	312.24	309.16	304.02	298.99	293.48	281.56	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2465	0.2465	0.2485	0.2485	0.2435	0.2485	0.2485	0.2485	0.2485	M 0
	M 1	0.2769	0.2780	0.2782	0.2819	0.2791	0.2744	0.2698	0.2648	0.2538	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	UFAC	-0.113	-0.117	-0.118	-0.133	-0.122	-0.103	-0.085	-0.065	-0.021	UFAC
	EFFP	0.9999	1.0002	0.9996	1.0000	1.0000	0.9997	0.9998	0.9998	0.9984	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.644	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	57.400	56.950	52.300	41.630	40.410	41.670	45.140	47.800	50.750	BETA 2
	BETA(PR) 1	54.135	54.418	54.677	55.371	56.930	58.544	59.795	60.513	61.785	BETA(PR) 1
	BETA(PR) 2	4.429	13.759	16.444	19.236	24.467	29.623	36.592	36.746	35.793	BETA(PR) 2
	V 1	306.75	307.98	308.18	312.24	309.20	304.07	299.07	293.56	281.58	V 1
	V 2	461.57	444.15	448.40	486.95	472.59	449.68	409.48	410.20	418.08	V 2
	VZ 1	306.75	307.98	308.18	312.24	309.16	304.02	293.99	293.48	281.56	VZ 1
	VZ 2	259.51	244.17	274.21	363.93	359.74	335.77	283.73	275.44	264.44	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	405.76	371.01	354.78	323.45	306.27	298.84	290.14	303.77	323.66	V-THETA 2
	V(PR) 1	523.6	529.3	533.3	549.5	566.6	582.6	594.4	596.3	595.5	V(PR) 1
	V(PR) 2	260.3	251.4	235.9	385.5	395.5	386.5	359.8	343.9	326.2	V(PR) 2
	VTHETA PR1	-424.3	-430.5	-435.2	-452.1	-474.8	-497.0	-513.6	-519.0	-524.8	VTHETA PR1
	VTHETA PR2	-20.1	-59.8	-30.9	-127.0	-163.3	-190.9	-214.4	-205.7	-190.7	VTHETA PR2
	U 1	424.31	430.46	435.20	452.12	474.30	496.97	513.63	519.01	524.78	U 1
	U 2	425.66	430.60	435.71	450.45	470.11	489.77	504.50	509.43	514.33	U 2
	M 1	0.2769	0.2780	0.2782	0.2819	0.2791	0.2744	0.2698	0.2648	0.2538	M 1
	M 2	0.4287	0.3947	0.3987	0.4345	0.4212	0.4002	0.3631	0.3636	0.3703	M 2
	M(PR) 1	0.4726	0.4778	0.4814	0.4961	0.5115	0.5258	0.5363	0.5378	0.5369	M(PR) 1
	M(PR) 2	0.2317	0.2234	0.2542	0.3440	0.3524	0.3439	0.3190	0.3048	0.2889	M(PR) 2
	TURN(PR)	49.706	40.058	36.253	36.136	32.451	28.934	23.219	23.782	26.011	TURN(PR)
	UUBAR	0.3112	0.3329	0.2772	0.0537	0.0376	0.0860	0.1681	0.2045	0.2414	UUBAR
	LOSS PARA	0.1222	0.1288	0.1071	0.0211	0.0149	0.0338	0.0629	0.0772	0.0931	LOSS PARA
	DFAC	0.4065	0.4043	0.7320	0.5430	0.5358	0.5672	0.6203	0.6609	0.7081	DFAC
	EFFP	0.8462	0.7723	0.7946	0.9333	0.9650	0.9342	0.8011	0.8013	0.7945	EFFP
	INCID	0.3430	0.7682	0.7908	0.9630	0.9649	0.9323	0.7974	0.7975	0.7904	INCID
	DEVM	-2.235	-1.802	-1.583	-2.330	-4.363	-7.310	-10.391	-11.383	-12.066	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.675	16.667	16.703	17.100	17.105	17.000	16.737	16.772	16.869	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	544.600	543.450	543.160	542.550	542.550	542.350	543.350	543.750	545.100	T 2
SLOTTED											
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.87	69.66	49.53	29.43	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
	BETA 2	57.400	56.950	52.300	41.630	40.410	41.670	45.140	47.800	50.750	BETA 2
	BETA 2A	5.000	4.750	4.450	5.550	5.140	5.000	7.450	8.220	8.800	BETA 2A
	V 2	461.57	444.15	448.40	486.95	472.59	449.68	409.48	410.20	418.08	V 2
	V 2A	311.19	307.18	295.82	338.52	374.17	356.47	331.62	309.00	300.72	V 2A
	VZ 2	259.51	244.17	274.21	363.93	359.74	335.77	283.73	275.44	264.44	VZ 2
	VZ 2A	307.96	306.13	294.93	336.45	372.67	354.52	328.82	305.83	297.18	VZ 2A
	V-THETA 2	405.76	371.01	354.78	323.45	306.27	298.84	290.14	303.77	323.66	V-THETA 2
	V-THETA 2A	27.33	25.44	22.95	32.74	33.52	37.26	43.00	44.18	46.01	V-THETA 2A
	M 2	0.4287	0.3947	0.3987	0.4345	0.4212	0.4002	0.3631	0.3636	0.3703	M 2
	M 2A	0.2741	0.2708	0.2607	0.2991	0.3313	0.3154	0.2927	0.2723	0.2646	M 2A
	TURN(PR)	52.350	51.900	47.849	36.074	35.255	35.650	37.668	39.558	41.928	TURN(PR)
	UUBAR	0.1244	0.0935	0.1370	0.0715	0.0125	0.0603	0.1141	0.1158	0.1601	UUBAR
	LOSS PARA	0.0510	0.0388	0.0575	0.0309	0.0056	0.0281	0.0545	0.0559	0.0778	LOSS PARA
	DFAC	0.6774	0.6327	0.6523	0.5049	0.4704	0.4824	0.4840	0.5576	0.6102	DFAC
	EFFP	0.7604	0.9737	0.9765	0.7488	0.3994	0.8203	0.9584	0.7153	0.5523	EFFP
	INCID	3.596	4.780	2.069	-5.556	-5.904	-7.100	-7.262	-6.142	-5.072	INCID
	DEVM	21.530	20.340	19.070	18.070	18.810	13.520	21.570	23.170	24.750	DEVM
	P 2	16.920	16.820	16.830	16.950	17.050	16.980	16.900	16.900	16.525	P 2
	P 2A	16.070	16.647	16.575	16.812	17.026	16.874	16.715	16.583	16.525	P 2A
	T 2	544.600	543.450	543.160	542.550	542.550	542.350	543.350	543.750	545.100	T 2
	T 2A	544.600	543.450	543.160	542.550	542.550	542.350	543.350	543.750	545.100	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.26			EQUIVALENT ROTOR SPEED = 2916.00			CORRECTED WEIGHT FLOW = 65.93			PRESSURE RATIO = 1.1387		
INLET											
STATION C STATION 1	PCT SPAN	96.90	91.17	85.75	71.00	49.80	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA C	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA C
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	245.26	245.26	245.26	245.26	245.26	245.26	245.26	245.26	245.26	V 0
	V 1	271.86	272.32	272.56	276.19	270.48	253.62	259.67	251.89	248.16	V 1
	VZ 0	245.26	245.26	245.26	245.26	245.26	245.26	245.26	245.26	245.26	VZ 0
	VZ 1	271.86	272.32	272.56	276.19	270.45	253.58	259.61	251.82	248.15	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2208	0.2208	0.2208	0.2208	0.2208	0.2208	0.2208	0.2208	0.2208	M 0
	M 1	0.2450	0.2454	0.2459	0.2499	0.2437	0.2284	0.2339	0.2268	0.2234	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.108	-0.110	-0.111	-0.126	-0.103	-0.034	-0.059	-0.027	-0.012	DFAC
	EFFP	0.9995	1.0001	1.0000	0.9999	0.9999	1.0006	0.9993	0.9991	0.9985	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0	
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
SLOTTED											
STATION 4 STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.210	33.617	34.000	35.150	36.684	38.218	39.363	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	59.260	57.840	54.910	44.120	43.290	43.930	53.650	58.920	61.320	BETA 2
	BETA(PR) 1	57.114	57.495	57.757	58.397	60.157	62.803	63.020	63.956	64.533	BETA(PR) 1
	BETA(PR) 2	2.405	13.805	14.697	19.253	24.717	30.724	37.219	38.501	41.838	BETA(PR) 2
	V 1	271.86	272.32	272.56	276.19	270.48	253.62	259.67	251.89	248.16	V 1
	V 2	479.55	437.64	448.43	472.36	457.39	433.63	399.03	399.25	390.78	V 2
	VZ 1	271.86	272.32	272.56	276.19	270.45	253.58	259.61	251.82	248.15	VZ 1
	VZ 2	245.26	232.95	256.53	339.06	332.84	312.18	236.45	206.07	187.51	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	412.52	370.49	365.29	328.80	313.54	300.73	321.30	341.87	342.78	V-THETA 2
	V(PR) 1	501.4	506.6	510.9	527.0	543.5	554.8	572.3	573.6	577.1	V(PR) 1
	V(PR) 2	245.5	239.9	255.3	359.2	366.6	363.3	297.1	263.4	251.8	V(PR) 2
	VTHETA PR1	-421.2	-427.4	-432.1	-448.9	-471.4	-493.4	-510.0	-515.3	-521.0	VTHETA PR1
	VTHETA PR2	-10.1	-17.2	-18.4	-118.4	-153.2	-185.5	-179.6	-163.9	-167.9	VTHETA PR2
	U 1	421.27	427.36	432.69	448.63	471.40	493.42	509.96	515.30	521.03	U 1
	U 2	422.64	427.72	432.60	447.23	466.75	486.26	500.90	505.78	510.66	U 2
	M 1	0.2450	0.2454	0.2459	0.2489	0.2437	0.2284	0.2339	0.2268	0.2234	M 1
	M 2	0.4207	0.3885	0.3704	0.4206	0.4009	0.3852	0.3534	0.3533	0.3456	M 2
	M(PR) 1	0.4510	0.4507	0.4604	0.4750	0.4897	0.4995	0.5154	0.5164	0.5195	M(PR) 1
	M(PR) 2	0.2183	0.2129	0.2356	0.3199	0.3261	0.3228	0.2631	0.2331	0.2226	M(PR) 2
	TURN(PR)	34.705	43.091	45.060	39.147	35.448	32.090	25.817	25.471	22.716	TURN(PR)
	UUBAR	0.2969	0.3141	0.2734	0.0620	0.0030	0.1123	0.2807	0.3440	0.3561	UUBAR
	LOSS PARA	0.1108	0.1215	0.1065	0.0244	0.0251	0.0437	0.1042	0.1268	0.1262	LOSS PARA
	DFAC	0.0348	0.0179	0.0788	0.5777	0.5750	0.5887	0.7404	0.8188	0.8433	DFAC
	EFFP	0.8544	0.7848	0.7575	0.9338	0.9207	0.8502	0.7719	0.7618	0.7482	EFFP
	EFF	0.3512	0.7808	0.7539	0.9323	0.9251	0.8880	0.7677	0.7573	0.7435	EFF
	INCID	0.744	1.275	1.477	0.696	-1.137	-3.053	-7.165	-7.940	-9.318	INCID
	DEVM	10.905	17.305	14.697	9.499	6.305	11.607	17.918	19.429	23.166	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.097	16.751	16.827	17.114	17.033	16.548	16.709	16.735	16.725	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	545.650	544.040	544.500	543.470	543.410	543.010	543.970	544.630	544.990	T 2
SLOTTED											
STATION 4 STATION 2 STATION 2A	PCT SPAN	94.36	90.34	84.47	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
	BETA 2	59.260	57.840	54.910	44.120	43.290	43.930	53.650	58.920	61.320	BETA 2
	BETA 2A	6.840	6.370	5.890	5.780	6.170	6.590	6.570	6.370	5.910	BETA 2A
	V 2	479.55	437.64	448.43	472.36	457.39	433.63	399.03	399.25	390.78	V 2
	V 2A	500.34	294.32	288.87	333.50	349.34	318.17	306.86	263.51	261.80	V 2A
	VZ 2	245.26	232.95	256.53	339.06	332.84	312.18	236.45	206.07	187.51	VZ 2
	VZ 2A	293.20	292.51	297.35	331.81	347.32	315.07	304.84	261.88	260.59	VZ 2A
	V-THETA 2	412.52	370.49	365.29	328.80	313.54	300.73	321.30	341.87	342.78	V-THETA 2
	V-THETA 2A	35.77	32.65	29.64	33.59	37.55	36.51	35.11	29.24	25.14	V-THETA 2A
	M 2	0.4207	0.3885	0.3704	0.4206	0.4009	0.3852	0.3534	0.3533	0.3456	M 2
	M 2A	0.2641	0.2591	0.2542	0.2944	0.3086	0.2807	0.2704	0.2316	0.2300	M 2A
	TURN(PR)	32.420	51.470	49.019	38.334	37.105	37.319	47.059	52.530	55.791	TURN(PR)
	UUBAR	0.1185	0.0501	0.0855	0.0492	0.0204	0.0610	0.0604	0.0223	0.1260	UUBAR
	LOSS PARA	0.0485	0.0207	0.0358	0.0212	0.0092	0.0285	0.0290	0.0108	0.0617	LOSS PARA
	DFAC	0.0977	0.6493	0.6699	0.5662	0.5103	0.5544	0.5800	0.7245	0.7329	DFAC
	EFFP	0.7500	0.9719	0.8634	0.8225	0.9205	0.8421	1.0824	0.7520	0.7517	EFFP
	INCID	5.400	5.970	4.679	-3.066	-3.025	-4.840	1.229	4.980	5.501	INCID
	DEVM	23.320	21.960	20.510	18.300	17.940	19.110	20.690	21.320	21.460	DEVM
	P 2	17.000	16.810	16.830	17.020	17.060	16.560	16.560	16.700	16.700	P 2
	P 2A	16.773	16.724	16.682	16.928	17.023	16.421	16.758	16.533	16.530	P 2A
	T 2	545.650	544.040	544.500	543.470	543.410	543.010	543.970	544.630	544.990	T 2
	T 2A	545.650	544.040	544.500	543.470	543.410	543.010	543.970	544.630	544.990	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 101.31

EQUIVALENT ROTOR SPEED = 4265.00

CORRECTED WEIGHT FLOW = 116.95

PRESSURE RATIO = 1.1163

INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	463.64	463.64	463.64	463.64	463.64	463.64	463.64	463.64	463.64	V 0
	V 1	535.17	534.79	537.03	537.33	532.24	528.26	546.29	535.55	516.85	V 1
	VZ 0	463.64	463.64	463.64	463.64	463.64	463.64	463.64	463.64	463.64	VZ 0
	VZ 1	535.17	534.79	537.03	537.32	532.16	528.18	546.16	535.41	516.82	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4227	0.4227	0.4227	0.4227	0.4227	0.4227	0.4227	0.4227	0.4227	M 0
	M 1	0.4903	0.4904	0.4926	0.4929	0.4980	0.4842	0.5015	0.4912	0.4732	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.154	-0.153	-0.158	-0.159	-0.148	-0.139	-0.178	-0.155	-0.115	DFAC
	EFFP	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	42.000	37.770	38.170	31.400	27.870	28.620	28.850	31.650	34.540	BETA 2
	BETA(PRI) 1	49.024	49.452	49.641	50.703	52.338	53.400	53.787	54.610	55.855	BETA(PRI) 1
	BETA(PRI) 2	15.035	17.785	19.178	28.782	30.312	34.465	37.833	38.392	41.793	BETA(PRI) 2
	V 1	535.17	534.79	537.08	537.33	532.24	528.26	546.29	535.55	516.85	V 1
	V 2	711.89	722.35	709.80	660.90	693.84	657.97	630.46	617.21	573.38	V 2
	VZ 1	535.17	534.79	537.08	537.32	532.16	528.18	546.16	535.41	516.82	VZ 1
	VZ 2	529.03	571.00	558.02	564.02	613.12	577.26	551.88	525.12	472.06	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	476.34	442.43	438.65	344.28	324.22	314.99	304.03	323.69	324.92	V-THETA 2
	V(PRI) 1	816.1	822.6	829.4	848.4	871.0	894.4	924.5	924.6	920.8	V(PRI) 1
	V(PRI) 2	547.8	599.7	590.8	643.6	710.5	700.5	699.1	670.3	633.4	V(PRI) 2
	VTHETA PRI 1	-616.2	-625.1	-632.0	-656.5	-689.5	-721.7	-745.9	-753.7	-762.1	VTHETA PRI 1
	VTHETA PRI 2	-142.1	-143.2	-144.1	-109.8	-135.5	-196.2	-478.6	-416.1	-422.0	VTHETA PRI 2
	U 1	516.16	625.10	631.98	656.55	687.49	721.68	745.87	753.69	762.06	U 1
	U 2	618.45	625.60	632.73	654.13	687.57	711.22	732.62	739.77	746.90	U 2
	M 1	0.4908	0.4904	0.4926	0.4929	0.4880	0.4842	0.5015	0.4912	0.4732	M 1
	M 2	0.6375	0.6488	0.6372	0.5909	0.6241	0.5885	0.5633	0.5504	0.5090	M 2
	M(PRI) 1	0.7484	0.7544	0.7607	0.7782	0.7936	0.8197	0.8487	0.8479	0.8431	M(PRI) 1
	M(PRI) 2	0.4906	0.5386	0.5304	0.5754	0.6391	0.6265	0.6246	0.5978	0.5623	M(PRI) 2
	TURN(PRI)	33.988	31.667	30.464	21.925	22.035	19.350	15.969	16.233	14.082	TURN(PRI)
	UUBAR	0.3875	0.2939	0.3125	0.2338	0.1309	0.1254	0.2238	0.2863	0.3631	UUBAR
	LOSS PARA	0.1473	0.1114	0.1149	0.0853	0.0491	0.0729	0.0824	0.1057	0.1287	LOSS PARA
	DFAC	0.5590	0.4853	0.5008	0.4100	0.3453	0.3750	0.3958	0.4384	0.4782	DFAC
	EFFP	0.6883	0.7634	0.7548	0.6563	0.6328	0.6950	0.6559	0.6083	0.4797	EFFP
	EFF	0.6799	0.7555	0.7430	0.6482	0.6281	0.6875	0.6484	0.6022	0.4711	EFF
	INCID	-7.402	-6.768	-6.639	-6.998	-8.956	-12.054	-16.400	-17.297	-17.996	INCID
	DEVH	23.536	21.285	19.377	19.027	13.899	15.346	18.532	19.320	23.121	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	17.760	17.980	17.855	17.310	17.340	17.420	17.120	16.970	16.490	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	561.150	559.400	553.400	557.050	554.400	556.290	554.400	555.000	555.580	T 2
SLOTTED											
STATION 4	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.43	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	42.000	37.770	38.170	31.400	27.870	28.620	28.850	31.650	34.540	BETA 2
	BETA 2A	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 2A
	V 2	711.89	722.35	709.80	660.90	693.84	657.97	630.46	617.21	573.38	V 2
	V 2A	616.83	611.03	608.10	643.21	623.68	621.26	594.33	565.16	539.44	V 2A
	VZ 2	529.03	571.00	558.02	564.02	613.12	577.26	551.88	525.12	472.06	VZ 2
	VZ 2A	609.24	605.38	603.64	641.89	622.52	617.86	588.32	558.30	532.27	VZ 2A
	V-THETA 2	476.34	442.43	438.65	344.28	324.22	314.99	304.03	323.69	324.92	V-THETA 2
	V-THETA 2A	96.49	82.93	73.48	41.17	36.34	64.94	94.25	97.33	87.64	V-THETA 2A
	M 2	0.6375	0.6488	0.6372	0.5909	0.6241	0.5885	0.5633	0.5504	0.5090	M 2
	M 2A	0.5469	0.5423	0.5401	0.5740	0.5569	0.5536	0.5292	0.5016	0.4774	M 2A
	TURN(PRI)	33.000	29.970	31.229	27.725	24.518	22.603	20.681	22.690	25.169	TURN(PRI)
	UUBAR	0.2777	0.2342	0.2442	0.1378	0.1325	0.1485	0.1669	0.1710	0.2405	UUBAR
	LOSS PARA	0.1130	0.0965	0.1021	0.0597	0.0598	0.0694	0.0798	0.0824	0.1167	LOSS PARA
	DFAC	0.3536	0.3616	0.3603	0.2266	0.2896	0.2357	0.2274	0.2726	0.2650	DFAC
	EFFP	0.1990	0.1285	0.1019	0.0568	0.2175	-0.4878	-0.7237	-0.5617	-0.9609	EFFP
	INCID	-11.810	-14.100	-12.061	-15.785	-18.442	-20.147	-23.569	-22.790	-21.281	INCID
	DEVH	25.400	23.390	21.500	16.190	15.010	13.520	22.270	23.800	25.300	DEVH
	P 2	18.050	17.700	17.700	17.650	17.320	17.320	16.930	16.560	16.470	P 2
	P 2A	16.739	16.728	16.695	17.101	17.129	16.754	16.408	16.090	15.832	P 2A
	T 2	561.150	559.400	554.400	557.050	554.400	556.290	554.400	555.000	555.580	T 2
	T 2A	561.150	559.400	558.400	557.050	554.400	556.290	554.400	555.000	555.580	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 98.62 EQUIVALENT ROTOR SPEED = 4152.00 CORRECTED WEIGHT FLOW = 111.97 PRESSURE RATIO = 1.1808											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	439.88	439.88	439.88	439.88	439.88	439.88	439.88	439.88	439.88	V 0
	V 1	505.64	508.29	510.27	510.67	506.96	498.14	506.30	495.44	483.57	V 1
	VZ 0	439.88	439.88	439.88	439.88	439.88	439.88	439.88	439.88	439.88	VZ 0
	VZ 1	505.64	508.29	510.27	510.66	506.89	498.06	506.18	495.31	483.54	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4003	0.4003	0.4003	0.4003	0.4003	0.4003	0.4003	0.4003	0.4003	M 0
	M 1	0.4625	0.4650	0.4669	0.4673	0.4638	0.4554	0.4631	0.4528	0.4415	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.149	-0.156	-0.160	-0.161	-0.153	-0.132	-0.151	-0.126	-0.099	DFAC
	EFFP	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	1.0000	1.0000	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1 STATION 2											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	46.000	44.250	41.930	35.640	32.300	34.520	36.250	39.630	43.000	BETA 2
	BETA(PR) 1	49.871	50.129	50.328	51.376	52.941	54.666	55.119	55.978	56.904	BETA(PR) 1
	BETA(PR) 2	8.541	14.686	17.956	23.500	27.450	32.450	33.346	39.749	40.972	BETA(PR) 2
	V 1	505.64	508.29	510.27	510.67	506.96	498.14	506.30	495.44	483.57	V 1
	V 2	705.63	687.76	677.40	680.39	682.98	635.18	580.49	563.52	552.27	V 2
	VZ 1	505.64	508.29	510.27	510.66	506.89	498.06	506.18	495.31	483.54	VZ 1
	VZ 2	462.93	492.64	503.95	552.88	577.08	523.09	467.90	433.50	403.74	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	532.54	479.91	452.65	396.40	364.82	359.78	343.08	359.64	376.49	V-THETA 2
	V(PR) 1	784.5	792.9	799.3	818.1	841.2	861.2	885.2	885.3	885.6	V(PR) 1
	V(PR) 2	468.1	509.3	529.8	603.0	650.6	620.2	596.9	564.1	535.0	V(PR) 2
	VTHETA PR1	-599.3	-609.5	-615.2	-639.2	-671.2	-702.6	-726.1	-733.7	-741.9	VTHETA PR1
	VTHETA PR2	-69.5	-129.1	-163.3	-240.4	-299.8	-332.6	-370.1	-367.5	-350.6	VTHETA PR2
	U 1	599.84	608.53	615.24	639.15	671.22	702.56	726.11	733.72	741.87	U 1
	U 2	602.07	609.02	615.96	636.80	664.59	692.38	713.21	720.17	727.11	U 2
	M 1	0.4625	0.4650	0.4669	0.4673	0.4638	0.4554	0.4631	0.4528	0.4415	M 1
	M 2	0.6293	0.6142	0.6035	0.6076	0.6107	0.5654	0.5137	0.4978	0.4871	M 2
	M(PR) 1	0.7176	0.7254	0.7314	0.7486	0.7595	0.7873	0.8097	0.8091	0.8085	M(PR) 1
	M(PR) 2	0.4175	0.4548	0.4720	0.5384	0.5317	0.5521	0.5282	0.4993	0.4718	M(PR) 2
	TURN(PR)	41.330	35.443	32.372	27.881	25.499	22.231	16.789	16.244	15.953	TURN(PR)
	UUBAR	0.3745	0.3069	0.2766	0.1500	0.3894	0.1820	0.2547	0.3176	0.3688	UUBAR
	LOSS PARA	0.1458	0.1182	0.1050	0.0573	0.0310	0.0695	0.0932	0.1150	0.1324	LOSS PARA
	DFAC	0.6710	0.5988	0.5654	0.4643	0.4141	0.4676	0.5048	0.5524	0.5960	DFAC
	EFFP	0.7733	0.7969	0.7527	0.8295	0.8913	0.7895	0.6431	0.6026	0.5723	EFFP
	EFF	0.7658	0.7905	0.7451	0.8240	0.8881	0.7832	0.6344	0.5935	0.5628	EFF
	INCID	-6.552	-6.091	-5.952	-6.324	-6.353	-11.188	-15.067	-15.919	-16.947	INCID
	DEVM	17.041	18.186	18.156	13.745	11.038	13.331	19.045	20.677	22.300	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.490	18.310	18.200	18.400	18.600	18.050	17.420	17.250	17.160	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	564.660	561.270	562.590	560.480	559.390	558.790	559.440	559.630	560.470	T 2
STATION 2 STATION 2A											
STATION 2 STATION 2A	PCT SPAN	94.95	90.34	84.37	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
	BETA 2	49.000	44.250	41.930	35.640	32.300	34.520	36.250	39.680	43.000	BETA 2
	BETA 2A	5.580	6.570	6.280	3.610	4.330	5.580	6.320	6.880	7.630	BETA 2A
	V 2	705.63	687.76	677.40	680.39	682.98	635.18	580.49	563.52	552.27	V 2
	V 2A	530.98	528.53	526.76	566.39	537.46	550.76	510.40	486.92	467.30	V 2A
	VZ 2	462.93	492.64	503.95	552.88	577.08	523.09	467.90	433.50	403.74	VZ 2
	VZ 2A	528.46	525.05	523.10	565.27	580.80	548.15	507.29	483.41	463.16	VZ 2A
	V-THETA 2	532.54	479.91	452.65	396.40	364.82	359.78	343.08	359.64	376.49	V-THETA 2
	V-THETA 2A	51.63	60.47	57.57	35.66	43.98	53.55	58.19	58.33	62.05	V-THETA 2A
	M 2	0.6293	0.6142	0.6035	0.6076	0.6107	0.5654	0.5137	0.4978	0.4871	M 2
	M 2A	0.4656	0.4648	0.4622	0.5001	0.5156	0.4864	0.4490	0.4275	0.4094	M 2A
	TURN(PR)	43.420	37.680	35.649	32.024	27.957	28.921	29.909	32.778	35.348	TURN(PR)
	UUBAR	0.2089	0.1615	0.1729	0.0984	0.1009	0.1268	0.1170	0.1591	0.1792	UUBAR
	LOSS PARA	0.0856	0.0667	0.0723	0.0427	0.0454	0.0594	0.0562	0.0770	0.0873	LOSS PARA
	DFAC	0.5286	0.4858	0.4631	0.3985	0.3606	0.3610	0.3614	0.3748	0.4364	DFAC
	EFFP	0.5833	0.6034	0.5913	0.6431	0.5927	0.6128	0.7550	0.7210	0.6071	EFFP
	INCID	-4.810	-7.620	-8.301	-11.546	-14.213	-14.249	-16.171	-14.262	-12.822	INCID
	DEVM	22.060	22.160	20.900	16.130	16.000	18.100	20.440	21.830	23.590	DEVM
	P 2	18.510	18.200	18.150	18.280	18.480	18.125	17.600	17.510	17.340	P 2
	P 2A	17.601	17.553	17.472	17.892	17.774	17.669	17.243	17.041	16.847	P 2A
	T 2	564.660	561.270	562.590	560.480	559.390	558.790	559.440	559.680	560.470	T 2
	T 2A	564.660	561.270	562.590	560.480	559.390	558.790	559.440	559.680	560.470	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.22

EQUIVALENT ROTOR SPEED = 4177.00

CORRECTED WEIGHT FLOW = 108.08

PRESSURE RATIO = 1.2208

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	421.80	421.80	421.80	421.80	421.80	421.80	421.80	421.80	421.80	421.80	V 0
	V 1	484.94	485.63	489.51	489.06	486.97	478.30	484.53	473.27	463.23	463.23	V 1
	VZ 0	421.80	421.80	421.80	421.80	421.80	421.80	421.80	421.80	421.80	421.80	VZ 0
	VZ 1	484.94	485.63	488.51	489.05	486.90	478.23	484.41	473.15	463.21	463.21	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3833	0.3833	0.3833	0.3833	0.3833	0.3833	0.3833	0.3833	0.3833	0.3833	M 0
	M 1	0.4428	0.4435	0.4462	0.4467	0.4446	0.4365	0.4424	0.4318	0.4223	0.4223	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.150	-0.151	-0.158	-0.159	-0.154	-0.134	-0.149	-0.122	-0.098	-0.098	DFAC
	EFFP	0.9999	0.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED STATOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	52.650	50.480	46.500	37.470	35.630	38.320	42.800	45.800	50.950	50.950	BETA 2
	BETA(PR) 1	51.214	51.577	51.717	52.744	54.212	55.917	56.450	57.340	58.175	58.175	BETA(PR) 1
	BETA(PR) 2	10.030	15.885	18.601	21.772	26.078	31.391	40.169	41.873	43.218	43.218	BETA(PR) 2
	V 1	484.94	485.63	488.51	489.06	486.97	478.30	484.53	473.27	463.23	463.23	V 1
	V 2	671.31	643.25	647.49	692.41	681.97	634.21	552.66	539.82	534.65	534.65	V 2
	VZ 1	484.94	485.63	488.51	489.05	486.90	478.23	484.41	473.15	463.21	463.21	VZ 1
	VZ 2	407.27	409.33	445.70	549.48	554.12	497.36	405.34	369.40	336.73	336.73	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	533.66	496.21	469.67	421.17	397.15	373.07	375.35	393.37	415.08	415.08	V-THETA 2
	V(PR) 1	774.2	781.4	788.5	807.9	832.5	853.4	876.6	876.6	878.4	878.4	V(PR) 1
	V(PR) 2	413.6	425.6	470.3	591.8	617.3	592.9	530.7	496.3	462.2	462.2	V(PR) 2
	VTHETA PR1	-603.4	-612.2	-618.9	-643.0	-675.3	-706.8	-730.5	-738.1	-746.3	-746.3	VTHETA PR1
	VTHETA PR2	-72.0	-116.5	-150.0	-219.5	-271.4	-303.5	-342.2	-331.1	-316.4	-316.4	VTHETA PR2
	U 1	603.45	612.20	618.94	643.00	675.26	706.79	730.48	738.14	746.34	746.34	U 1
	U 2	603.45	612.20	618.94	643.00	675.26	706.79	730.48	738.14	746.34	746.34	U 2
	M 1	0.4428	0.4435	0.4462	0.4467	0.4446	0.4365	0.4424	0.4318	0.4223	0.4223	M 1
	M 2	0.5959	0.5700	0.5747	0.6177	0.6030	0.5631	0.4863	0.4743	0.4607	0.4607	M 2
	M(PR) 1	0.7069	0.7136	0.7202	0.7379	0.7603	0.7789	0.7999	0.7999	0.8007	0.8007	M(PR) 1
	M(PR) 2	0.3671	0.3771	0.4174	0.5279	0.5503	0.5176	0.4670	0.4361	0.4055	0.4055	M(PR) 2
	TURN(PR)	41.184	35.692	33.117	30.976	23.121	24.540	16.297	15.492	14.977	14.977	TURN(PR)
	UUBAR	0.3752	0.3677	0.3076	0.1008	0.0703	0.1660	0.2762	0.3320	0.3826	0.3826	UUBAR
	LOSS PARA	0.1455	0.1408	0.1174	0.0390	0.0274	0.0642	0.0984	0.1164	0.1326	0.1326	LOSS PARA
	DFAC	0.7376	0.7684	0.6436	0.4841	0.4684	0.5239	0.5925	0.6433	0.6962	0.6962	DFAC
	EFFP	0.7724	0.7261	0.7617	0.9077	0.9320	0.8595	0.8619	0.8356	0.8168	0.8168	EFFP
	EFF	0.7647	0.7176	0.7542	0.9042	0.9294	0.8547	0.8527	0.8260	0.8067	0.8067	EFF
	INCID	-5.216	-4.643	-4.563	-4.956	-7.042	-9.737	-13.736	-14.557	-15.677	-15.677	INCID
	DEVM	18.530	19.385	18.801	12.017	9.687	12.272	20.867	22.801	24.546	24.546	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.595	18.220	19.295	19.050	19.125	19.645	17.755	17.660	17.660	17.660	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	565.790	564.510	563.150	562.870	562.350	561.430	562.850	563.390	564.520	564.520	T 2
SLOTTED STATOR 4		PCT SPAN	94.96	90.34	84.37	69.68	49.59	29.43	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.930	35.015	36.450	37.885	39.945	39.300	39.650	39.650	DIA
	BETA 2	52.650	50.480	46.500	37.470	35.630	38.320	42.800	46.800	50.950	50.950	BETA 2
	BETA 2A	4.440	5.190	5.360	4.580	4.520	5.910	6.160	7.360	8.410	8.410	BETA 2A
	V 2	671.31	643.25	647.49	692.41	681.97	634.21	552.66	539.82	534.65	534.65	V 2
	V 2A	479.30	490.38	463.47	525.83	557.69	514.08	470.32	438.04	420.27	420.27	V 2A
	VZ 2	407.27	409.33	445.70	549.48	554.12	497.36	405.34	369.40	336.73	336.73	VZ 2
	VZ 2A	477.95	498.37	461.44	524.15	555.95	511.35	467.61	434.43	415.75	415.75	VZ 2A
	V-THETA 2	533.66	496.21	469.67	421.17	397.15	373.07	375.35	393.37	415.08	415.08	V-THETA 2
	V-THETA 2A	37.11	44.36	43.29	41.99	43.95	52.93	50.47	56.11	61.47	61.47	V-THETA 2A
	M 2	0.5959	0.5700	0.5747	0.6177	0.6030	0.5631	0.4863	0.4743	0.4607	0.4607	M 2
	M 2A	0.4183	0.4287	0.4069	0.4617	0.4917	0.4515	0.4112	0.3819	0.3656	0.3656	M 2A
	TURN(PR)	48.210	45.290	41.139	32.384	31.096	32.390	36.618	39.418	42.518	42.518	TURN(PR)
	UUBAR	0.1755	0.1289	0.1545	0.1242	0.0674	0.1021	0.0973	0.1536	0.1536	0.1536	UUBAR
	LOSS PARA	0.0721	0.0536	0.0647	0.0537	0.0303	0.0477	0.0468	0.0792	0.0747	0.0747	LOSS PARA
	DFAC	0.5909	0.5305	0.5619	0.4791	0.4175	0.4431	0.4351	0.4956	0.5421	0.5421	DFAC
	EFFP	0.7634	0.7474	0.7927	0.7046	0.7611	0.6792	1.0099	0.8102	0.7199	0.7199	EFFP
	INCID	-1.160	-1.390	-3.731	-9.716	-10.684	-10.450	-9.622	-7.142	-4.872	-4.872	INCID
	DEVM	20.920	20.780	19.780	17.100	16.190	19.430	20.280	22.310	24.360	24.360	DEVM
	P 2	18.800	18.650	18.450	18.960	19.020	18.560	18.050	17.940	17.750	17.750	P 2
	P 2A	18.066	18.130	17.959	18.434	18.742	18.200	17.763	17.482	17.354	17.354	P 2A
	T 2	565.790	564.510	563.150	562.870	562.350	561.430	562.850	563.390	564.520	564.520	T 2
	T 2A	565.790	564.510	563.150	562.870	562.350	561.430	562.850	563.390	564.520	564.520	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.17

EQUIVALENT ROTOR SPEED = 4175.00

CORRECTED WEIGHT FLOW = 103.79

PRESSURE RATIO = 1.2510

INLET

	PCT SPAN	56.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	402.30	402.30	402.30	402.30	402.30	402.30	402.30	402.30	402.30	V 0
	V 1	457.49	458.64	458.35	464.65	459.79	448.03	454.16	443.02	430.12	V 1
	VZ 0	402.30	402.30	402.30	402.30	402.30	402.30	402.30	402.30	402.30	VZ 0
	VZ 1	457.49	458.64	458.35	464.64	459.72	447.96	454.05	442.90	430.10	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3651	0.3651	0.3651	0.3651	0.3651	0.3651	0.3651	0.3651	0.3651	M 0
	M 1	0.4169	0.4179	0.4177	0.4236	0.4190	0.4079	0.4137	0.4032	0.3911	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.137	-0.140	-0.139	-0.155	-0.143	-0.114	-0.129	-0.101	-0.069	DFAC
	EFFP	1.0000	0.9999	0.9998	0.9999	0.9999	0.9999	1.0000	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1

SLOTTED
ROTOR

	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	57.030	54.980	51.350	40.590	38.220	41.960	48.000	51.920	55.480	BETA 2
	BETA(PRI) 1	52.320	53.147	53.465	54.134	55.740	57.621	58.124	59.023	60.034	BETA(PRI) 1
	BETA(PRI) 2	6.264	15.417	18.853	20.675	25.471	31.686	41.069	40.596	39.906	BETA(PRI) 2
	V 1	457.49	458.64	458.35	464.65	459.79	448.03	454.15	443.02	430.12	V 1
	V 2	673.65	626.68	622.97	683.31	673.24	617.66	540.94	550.56	563.48	V 2
	VZ 1	457.49	458.64	458.35	464.64	459.72	447.96	454.05	442.90	430.10	VZ 1
	VZ 2	366.60	359.63	389.08	518.83	528.76	459.12	361.84	339.46	319.24	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	565.16	513.22	486.52	444.53	416.39	412.81	401.86	433.25	464.15	V-THETA 2
	V(PRI) 1	757.0	764.7	769.9	793.1	816.7	836.5	859.9	860.6	861.1	V(PRI) 1
	V(PRI) 2	368.9	373.1	411.1	554.6	585.9	539.6	460.1	447.3	416.4	V(PRI) 2
	VTHETA PRI	-603.2	-611.9	-618.6	-642.7	-674.9	-706.4	-730.1	-737.8	-746.0	VTHETA PRI
	VTHETA PR2	-40.2	-99.2	-132.9	-195.8	-251.9	-283.4	-315.3	-290.9	-267.0	VTHETA PR2
	U 1	603.16	611.30	618.64	642.69	674.93	706.45	730.13	737.78	745.98	U 1
	U 2	605.40	612.40	619.37	640.32	668.27	696.21	717.16	724.16	731.13	U 2
	M 1	0.4169	0.4179	0.4177	0.4236	0.4190	0.4079	0.4137	0.4032	0.3911	M 1
	M 2	0.5965	0.5535	0.5506	0.6076	0.5985	0.5463	0.4746	0.4824	0.4936	M 2
	M(PRI) 1	0.6898	0.6963	0.7016	0.7230	0.7443	0.7617	0.7833	0.7833	0.7830	M(PRI) 1
	M(PRI) 2	0.3266	0.3295	0.3634	0.4932	0.5209	0.4775	0.4212	0.3919	0.3647	M(PRI) 2
	TURN(PRI)	46.556	37.730	34.613	33.463	30.276	25.949	17.071	13.442	20.148	TURN(PRI)
	UUBAR	0.3648	0.3705	0.3322	0.1057	0.0545	0.1640	0.2715	0.3229	0.3682	UUBAR
	LOSS PARA	0.1427	0.1422	0.1266	0.0412	0.0214	0.0632	0.0954	0.1155	0.1343	LOSS PARA
	DFAC	0.8073	0.7795	0.7207	0.5336	0.5030	0.5765	0.6576	0.7151	0.7702	DFAC
	EFFP	0.8173	0.7487	0.7561	0.9136	0.9574	0.8741	0.7140	0.7048	0.7143	EFFP
	EFF	0.8104	0.7405	0.7482	0.9102	0.9557	0.8694	0.7052	0.6954	0.7048	EFF
	INCID	-3.610	-3.073	-2.815	-3.566	-5.554	-8.233	-12.063	-12.874	-13.817	INCID
	DEVM	14.764	13.917	19.053	10.921	9.060	12.568	21.767	21.524	21.234	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.100	18.490	18.425	19.335	19.490	18.960	13.200	18.330	18.500	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	569.500	566.120	565.000	565.190	564.320	563.770	565.070	567.340	568.760	T 2

SLOTTED
STATOR

	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.895	38.945	39.300	39.650	DIA
STATION 2A	BETA 2A	57.030	54.980	51.350	40.590	38.220	41.960	48.000	51.920	55.480	BETA 2A
	BETA 2A	3.740	3.680	4.020	6.230	5.250	5.520	5.920	6.600	7.230	BETA 2A
	V 2	673.65	626.68	622.97	683.31	673.24	617.66	540.94	550.56	563.48	V 2
	V 2A	449.00	452.87	423.88	475.86	535.19	479.41	436.39	418.00	400.26	V 2A
	VZ 2	366.60	359.63	389.08	518.83	528.76	459.12	361.84	339.46	319.24	VZ 2
	VZ 2A	444.05	441.93	422.84	492.93	532.94	477.19	434.06	415.23	397.08	VZ 2A
	V-THETA 2	565.16	513.22	486.52	444.53	416.39	412.81	401.86	433.25	464.15	V-THETA 2
	V-THETA 2A	29.29	29.07	29.72	53.81	48.97	46.12	45.01	48.04	50.37	V-THETA 2A
	M 2	0.5965	0.5535	0.5506	0.6076	0.5985	0.5463	0.4746	0.4824	0.4936	M 2
	M 2A	0.3900	0.3943	0.3637	0.4334	0.4696	0.4191	0.3799	0.3627	0.3465	M 2A
	TURN(PRI)	53.290	51.300	47.329	34.354	32.956	36.420	42.058	45.298	48.229	TURN(PRI)
	UUBAR	0.1542	0.1335	0.1576	0.0973	0.0392	0.1258	0.1546	0.1652	0.1695	UUBAR
	LOSS PARA	0.0634	0.0554	0.0662	0.0420	0.0176	0.0589	0.0744	0.0799	0.0827	LOSS PARA
	DFAC	0.6615	0.5994	0.6287	0.5234	0.4530	0.5045	0.5143	0.5845	0.6538	DFAC
	EFFP	0.7697	1.0161	0.9007	0.7857	0.8303	0.7553	0.9568	0.7349	0.5595	EFFP
	INCID	3.220	3.110	1.119	-6.596	-3.094	-6.810	-4.422	-2.021	-0.341	INCID
	DEVM	20.220	19.270	18.640	18.750	16.920	18.040	20.040	21.550	23.180	DEVM
	P 2	19.150	19.050	18.825	19.250	19.350	19.030	18.625	18.470	18.275	P 2
	P 2A	18.512	18.510	18.221	18.843	19.191	18.583	18.157	18.001	17.832	P 2A
	T 2	568.500	566.120	565.000	565.190	564.320	563.770	565.070	567.340	568.760	T 2
	T 2A	568.500	566.120	565.000	565.190	564.320	563.770	565.070	567.340	568.760	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.10

EQUIVALENT ROTOR SPEED = 4172.00

CORRECTED WEIGHT FLOW = 98.38

PRESSURE RATIO = 1.2725

INLET		PCT SPAN	96.30	96.75	91.17	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.960	33.590	35.280	37.050	38.780	40.080	40.500	40.950	DIA	
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	V 0	378.35	378.35	378.35	378.35	378.35	378.35	378.35	378.35	378.35	V 0	
	V 1	430.58	433.60	432.09	438.11	432.09	418.29	418.60	408.07	400.86	V 1	
	VZ 0	378.35	378.35	378.35	378.35	378.35	378.35	378.35	378.35	378.35	VZ 0	
	VZ 1	430.53	433.60	432.09	438.10	432.03	418.22	418.50	407.96	400.84	VZ 1	
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	M 0	0.3429	0.3429	0.3429	0.3429	0.3429	0.3429	0.3429	0.3429	0.3429	M 0	
	M 1	0.3916	0.3944	0.3930	0.3986	0.3930	0.3801	0.3803	0.3705	0.3638	M 1	
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN	
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR	
	DFAC	-0.138	-0.146	-0.142	-0.158	-0.142	-0.106	-0.106	-0.079	-0.060	DFAC	
	EFFP	1.0000	1.0000	0.9999	0.9999	0.9999	1.0000	0.9999	1.0000	0.9999	EFFP	
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID	
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH	
P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0		
P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1		
T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0		
T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1		
SLOTTED ROTOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.090	35.150	36.634	38.218	39.368	39.752	40.135	DIA	
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1	
	BETA 2	59.550	58.900	54.400	42.600	40.800	43.600	50.300	54.000	56.700	BETA 2	
	BETA(PR) 1	54.459	54.955	54.753	55.700	57.358	59.356	60.162	61.042	61.732	BETA(PR) 1	
	BETA(PR) 2	2.350	12.719	17.027	20.067	25.213	31.938	41.280	41.262	40.850	BETA(PR) 2	
	V 1	430.58	433.60	432.09	438.11	432.09	418.29	419.60	408.07	400.96	V 1	
	V 2	681.76	629.03	624.32	676.63	661.48	609.95	538.93	546.41	557.61	V 2	
	VZ 1	430.58	433.60	432.09	438.10	432.03	418.22	418.50	407.96	400.84	VZ 1	
	VZ 2	345.51	324.92	363.43	498.01	500.59	441.54	344.14	321.09	306.07	VZ 2	
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1	
	V-THETA 2	587.73	538.62	507.63	457.94	432.10	420.47	414.52	441.94	465.95	V-THETA 2	
	VIPR) 1	740.7	755.1	748.7	777.4	801.0	820.6	841.2	842.7	846.4	VIPR) 1	
	VIPR) 2	345.9	333.1	380.1	530.3	553.5	520.6	458.1	427.3	404.8	VIPR) 2	
	VTHETA PR1	-602.7	-618.2	-611.5	-642.2	-674.4	-705.9	-729.6	-737.3	-745.4	VTHETA PR1	
	VTHETA PR2	-17.2	-73.3	-111.3	-181.9	-235.7	-275.2	-302.1	-291.7	-264.7	VTHETA PR2	
	U 1	602.73	618.20	611.46	642.23	674.45	705.94	729.61	737.25	745.44	U 1	
	U 2	604.97	611.96	613.93	639.86	667.79	695.71	716.65	723.64	730.61	U 2	
	M 1	0.3916	0.3944	0.3930	0.3986	0.3930	0.3801	0.3803	0.3705	0.3638	M 1	
	M 2	0.6025	0.5547	0.5503	0.6002	0.5861	0.5384	0.4714	0.4777	0.4869	M 2	
	M(PR) 1	0.6736	0.6368	0.6809	0.7074	0.7235	0.7456	0.7643	0.7651	0.7681	M(PR) 1	
	M(PR) 2	0.3057	0.2937	0.3351	0.4704	0.4905	0.4535	0.4007	0.3736	0.3535	M(PR) 2	
	TURN(PR)	51.402	42.235	37.727	35.636	32.153	27.433	18.997	19.796	20.902	TURN(PR)	
	UUBAR	0.3718	0.3786	0.3331	0.0887	0.0500	0.1351	0.2521	0.3009	0.3320	UUBAR	
	LOSS PARA	0.1462	0.1471	0.1283	0.0347	0.0197	0.0519	0.0983	0.1065	0.1194	LOSS PARA	
	DFAC	0.8459	0.8415	0.7671	0.5627	0.5422	0.5959	0.6331	0.7375	0.7808	DFAC	
	EFFP	0.8174	0.7674	0.7680	0.9265	0.9554	0.9031	0.7322	0.7344	0.7299	EFFP	
	EFF	0.8131	0.7592	0.7598	0.9234	0.9535	0.8993	0.7232	0.7252	0.7203	EFF	
	INCID	-1.971	-1.265	-1.527	-2.000	-3.936	-6.498	-10.024	-10.854	-12.119	INCID	
	DEVH	11.356	16.219	17.226	10.314	1.801	12.820	21.779	22.190	22.178	DEVH	
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1	
	P 2	19.400	18.770	18.760	19.620	19.735	19.275	18.560	18.670	18.840	P 2	
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1	
	T 2	571.600	568.200	568.050	567.070	566.530	565.200	563.200	559.350	571.700	T 2	
SLOTTED STATOR 4		PCT SPAN	94.95	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.920	35.015	36.450	37.885	38.945	39.300	39.650	DIA	
	BETA 2	59.559	58.900	54.400	42.600	40.800	43.600	50.300	54.000	56.700	BETA 2	
	BETA 2A	4.900	4.170	3.450	6.950	5.850	6.190	6.800	7.130	7.180	BETA 2A	
	V 2	681.76	629.03	624.32	676.63	661.48	609.95	538.93	546.41	557.61	V 2	
	V 2A	434.76	419.01	407.57	472.37	515.05	470.43	408.34	396.91	374.51	V 2A	
	VZ 2	345.51	324.92	363.43	498.01	500.59	441.54	344.14	321.09	306.07	VZ 2	
	VZ 2A	433.17	417.90	406.83	468.90	512.37	467.70	405.47	393.87	371.57	VZ 2A	
	V-THETA 2	587.73	538.62	507.63	457.94	432.10	420.47	414.52	441.94	465.95	V-THETA 2	
	V-THETA 2A	37.14	30.47	24.53	57.16	52.50	50.64	48.35	49.06	46.81	V-THETA 2A	
	M 2	0.6025	0.5547	0.5503	0.6002	0.5861	0.5384	0.4714	0.4777	0.4869	M 2	
	M 2A	0.3762	0.3633	0.3532	0.4115	0.4503	0.4104	0.3538	0.3433	0.3228	M 2A	
	TURN(PR)	54.650	54.730	50.949	35.644	34.935	37.399	43.478	46.879	49.500	TURN(PR)	
	UUBAR	0.1513	0.1204	0.1399	0.0866	0.0451	0.1258	0.1631	0.1639	0.1760	UUBAR	
	LOSS PARA	0.0621	0.0499	0.0588	0.0373	0.0203	0.0588	0.0783	0.0793	0.0859	LOSS PARA	
	DFAC	0.6953	0.6706	0.6734	0.5599	0.4820	0.5154	0.5730	0.6268	0.7010	DFAC	
	EFFP	0.7962	0.9593	0.9122	0.7797	0.9547	0.7907	0.9821	0.7582	0.6078	EFFP	
	INCID	5.740	7.030	4.169	-4.586	-5.514	-5.170	-2.122	0.059	0.880	INCID	
	DEVH	21.380	19.760	19.070	19.470	17.520	18.700	20.920	22.050	23.130	DEVH	
	P 2	19.475	19.150	19.100	19.430	19.650	19.400	18.900	18.800	18.650	P 2	
	P 2A	18.825	18.678	18.564	19.079	19.469	18.950	18.417	18.336	18.187	P 2A	
	T 2	571.600	568.200	568.050	567.070	566.530	565.200	563.200	559.350	571.700	T 2	
	T 2A	571.600	568.200	568.050	567.070	566.530	565.200	563.200	559.350	571.700	T 2A	

OVERALL PERFORMANCE

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.24 EQUIVALENT ROTOR SPEED = 4178.00 CORRECTED WEIGHT FLOW = 95.50 PRESSURE RATIO = 1.2737											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	39.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	365.84	365.84	365.84	365.84	365.84	365.84	365.84	365.84	365.84	V 0
	V 1	419.06	421.39	422.93	427.53	429.93	403.92	400.39	393.06	386.11	V 1
	VZ 0	365.84	365.84	365.84	365.84	365.84	365.84	365.84	365.84	365.84	VZ 0
	VZ 1	419.06	421.39	422.93	427.53	429.93	403.92	400.39	393.06	386.11	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3313	0.3313	0.3313	0.3313	0.3313	0.3313	0.3313	0.3313	0.3313	M 0
	M 1	0.3803	0.3803	0.3803	0.3803	0.3803	0.3803	0.3803	0.3803	0.3803	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.145	-0.152	-0.156	-0.169	-0.151	-0.104	-0.094	-0.074	-0.055	DFAC
	EFFP	1.0000	1.0000	1.0000	1.0001	1.0000	1.0000	1.0000	0.9998	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEV4	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEV4
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.219	39.368	39.752	40.135	DIA
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	BETA 2	55.850	59.250	55.000	44.000	41.480	45.600	55.300	58.600	61.000	BETA 2
	BETA (PR) 1	55.729	55.466	55.661	56.387	56.072	60.262	61.284	61.977	62.653	BETA (PR) 1
	BETA (PR) 2	2.151	13.305	15.514	13.927	23.514	32.223	41.515	41.926	42.905	BETA (PR) 2
	V 1	419.06	421.39	422.93	427.53	429.93	403.92	400.39	393.06	386.11	V 1
	V 2	685.67	625.14	633.53	680.80	625.55	603.18	541.34	548.51	552.21	V 2
	VZ 1	419.06	421.39	422.93	427.53	429.93	403.92	400.39	393.06	386.09	VZ 1
	VZ 2	344.33	319.63	363.37	499.67	468.52	421.87	308.10	285.72	267.67	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	592.90	517.25	518.95	472.87	414.22	430.40	444.95	468.09	482.88	V-THETA 2
	V (PR) 1	734.8	743.3	749.6	772.3	795.8	814.2	833.2	836.4	840.5	V (PR) 1
	V (PR) 2	344.6	328.4	377.1	517.8	533.4	493.9	411.6	384.2	365.6	V (PR) 2
	VTHETA PR1	-603.5	-512.3	-619.1	-643.2	-675.4	-707.3	-730.7	-738.3	-746.5	VTHETA PR1
	VTHETA PR2	-12.9	-75.6	-100.9	-167.9	-254.5	-265.9	-272.7	-256.6	-248.8	VTHETA PR2
	U 1	623.59	612.34	619.69	643.15	675.42	706.96	730.66	738.31	746.52	U 1
	U 2	625.94	617.84	619.62	640.78	668.75	696.71	717.68	724.68	731.66	U 2
	M 1	0.3808	0.3830	0.3844	0.3887	0.3825	0.3666	0.3633	0.3565	0.3501	M 1
	M 2	0.6055	0.6505	0.6584	0.6034	0.6519	0.6313	0.4733	0.4794	0.4822	M 2
	M (PR) 1	0.6677	0.6755	0.6814	0.7021	0.7232	0.7391	0.7561	0.7587	0.7620	M (PR) 1
	M (PR) 2	0.3043	0.2892	0.3324	0.4589	0.4706	0.4395	0.3599	0.3358	0.3192	M (PR) 2
	TURN (PR)	53.078	42.161	40.147	37.463	29.567	28.054	19.785	20.067	19.768	TURN (PR)
	UUBAR	0.3409	0.3675	0.3141	0.1009	0.0732	0.1598	0.3002	0.3382	0.3623	UUBAR
	LOSS PARA	0.1341	0.1424	0.1219	0.0397	0.0299	0.0612	0.1048	0.1135	0.1262	LOSS PARA
	DFAC	0.8492	0.8451	0.7760	0.5841	0.5543	0.6250	0.7528	0.8018	0.8354	DFAC
	EFFP	0.8392	0.7712	0.7902	0.9269	0.8770	0.8795	0.7469	0.7528	0.7483	EFFP
	EFF	0.8324	0.7630	0.7824	0.9238	0.8721	0.8748	0.7381	0.7440	0.7392	EFF
	INCID	-1.201	-0.754	-0.619	-1.314	-3.221	-5.591	-9.902	-7.919	-11.199	INCID
	DEV4	10.651	16.805	15.713	9.174	12.101	13.105	22.213	22.854	24.233	DEV4
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.670	18.085	19.000	19.760	19.335	19.285	14.705	18.825	18.915	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.850	569.230	569.210	568.290	567.220	566.600	568.870	569.840	571.200	T 2
SLOTTED											
STATION 4	PCT SPAN	94.95	90.34	84.87	69.68	49.58	29.49	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.495	38.945	39.300	39.650	DIA
STATION 2	BETA 2	55.850	59.250	55.000	44.000	41.480	45.600	55.300	58.600	61.000	BETA 2
STATION 2A	BETA 2A	4.770	4.340	4.190	6.730	6.860	6.560	6.130	5.320	4.350	BETA 2A
	V 2	685.67	625.14	633.53	680.80	625.55	603.18	541.34	548.51	552.21	V 2
	V 2A	427.45	409.00	400.53	462.39	504.98	455.45	401.40	370.11	366.14	V 2A
	VZ 2	344.33	319.63	363.37	489.67	468.52	421.87	308.10	285.72	267.67	VZ 2
	VZ 2A	426.00	407.92	393.97	459.20	511.37	452.47	399.10	368.51	365.08	VZ 2A
	V-THETA 2	592.90	517.25	518.95	472.87	414.22	430.40	444.95	468.09	482.88	V-THETA 2
	V-THETA 2A	35.17	30.95	27.23	54.19	60.32	52.03	42.86	34.32	27.77	V-THETA 2A
	M 2	0.6055	0.6505	0.6584	0.6034	0.6519	0.6313	0.4733	0.4794	0.4822	M 2
	M 2A	0.3693	0.3541	0.3461	0.4020	0.4409	0.3964	0.3474	0.3195	0.3156	M 2A
	TURN (PR)	55.130	54.910	50.809	37.264	34.675	39.019	49.149	53.260	55.631	TURN (PR)
	UUBAR	0.1461	0.1045	0.1383	0.0727	0.0516	0.1103	0.1623	0.1814	0.1901	UUBAR
	LOSS PARA	0.0600	0.0433	0.0581	0.0313	0.0231	0.0514	0.0779	0.0881	0.0932	LOSS PARA
	DFAC	0.7120	0.6833	0.5945	0.5887	0.4498	0.5419	0.6199	0.7136	0.7453	DFAC
	EFFP	0.7526	0.7519	0.8644	0.7707	1.1449	0.8321	0.8902	0.6934	0.6335	EFFP
	INCID	6.040	7.380	4.767	-3.186	-4.835	-3.170	2.879	4.660	5.181	INCID
	DEV4	21.200	19.930	18.810	17.250	18.530	19.090	20.250	20.270	20.300	DEV4
	P 2	19.550	19.175	19.200	19.450	19.400	19.400	19.050	18.830	18.810	P 2
	P 2A	18.937	18.777	18.671	19.159	19.542	19.015	18.562	18.332	18.301	P 2A
	T 2	572.850	569.230	569.210	568.290	567.220	566.600	568.870	569.840	571.200	T 2
	T 2A	572.850	569.230	569.210	568.290	567.220	566.600	568.870	569.840	571.200	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 98.98

EQUIVALENT ROTOR SPEED = 4167.00

CORRECTED WEIGHT FLOW = 91.41

PRESSURE RATIO = 1.2554

INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	348.37	348.37	348.37	348.37	348.37	348.37	348.37	348.37	348.37	V 0
	V 1	413.44	413.76	413.76	415.32	401.83	377.69	363.76	360.34	349.02	V 1
	VZ 0	348.37	348.37	348.37	348.37	348.37	348.37	348.37	348.37	348.37	VZ 0
	VZ 1	413.44	413.76	413.76	415.31	401.78	377.64	368.67	360.25	349.00	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3151	0.3151	0.3151	0.3151	0.3151	0.3151	0.3151	0.3151	0.3151	M 0
	M 1	0.3755	0.3758	0.3758	0.3773	0.3647	0.3423	0.3340	0.3262	0.3157	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.187	-0.188	-0.188	-0.192	-0.153	-0.084	-0.059	-0.034	-0.002	DFAC
	EFFP	0.9999	0.9999	0.9999	0.9999	1.0000	0.9999	0.9999	1.0000	0.9946	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 4	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.213	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	56.950	56.900	51.160	42.100	40.030	47.700	65.200	70.600	73.650	BETA 2
	BETA(PR) 1	55.520	55.883	55.174	57.079	59.137	61.827	63.165	63.931	64.886	BETA(PR) 1
	BETA(PR) 2	3.676	12.937	16.057	18.783	24.501	31.623	45.937	50.939	55.014	BETA(PR) 2
	V 1	413.44	413.76	413.76	415.32	401.83	377.69	363.76	360.34	349.02	V 1
	V 2	691.96	633.36	644.75	692.67	672.18	602.32	533.77	534.43	535.89	V 2
	VZ 1	413.44	413.76	413.76	415.31	401.78	377.64	368.67	360.25	349.00	VZ 1
	VZ 2	377.38	356.97	404.35	513.88	514.16	405.24	223.86	177.50	150.85	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	580.00	529.22	502.19	464.33	432.66	445.35	484.48	504.05	514.19	V-THETA 2
	V(PR) 1	733.3	737.7	743.3	764.2	784.4	799.9	814.7	819.8	822.3	V(PR) 1
	V(PR) 2	373.2	366.3	429.7	542.9	565.3	476.1	322.0	221.8	263.2	V(PR) 2
	VTHETA PR1	-602.2	-510.7	-617.5	-641.5	-673.6	-705.1	-728.7	-736.4	-744.6	VTHETA PR1
	VTHETA PR2	-24.2	-92.0	-118.0	-174.8	-214.3	-249.5	-231.3	-218.7	-215.5	VTHETA PR2
	U 1	602.00	610.73	617.46	641.46	673.64	705.10	724.73	736.37	744.55	U 1
	U 2	604.24	611.22	613.19	639.10	666.99	694.98	715.79	722.77	729.73	U 2
	M 1	0.3755	0.3758	0.3758	0.3773	0.3647	0.3423	0.3340	0.3262	0.3157	M 1
	M 2	0.6113	0.5626	0.5495	0.6152	0.5965	0.5312	0.4670	0.4671	0.4683	M 2
	M(PR) 1	0.6633	0.6701	0.6751	0.6942	0.7119	0.7248	0.7397	0.7421	0.7439	M(PR) 1
	M(PR) 2	0.3341	0.3228	0.3703	0.4821	0.5016	0.4200	0.2817	0.2463	0.2300	M(PR) 2
	TURN(PR) 1	51.344	42.946	40.157	38.299	34.633	30.219	17.244	13.007	9.891	TURN(PR) 1
	TURN(PR) 2	0.3282	0.3459	0.2747	0.0799	0.0903	0.3023	0.5222	0.5592	0.5719	TURN(PR) 2
	UUBAR	0.1289	0.1346	0.1064	0.0315	0.0319	0.1165	0.1694	0.1559	0.1559	UUBAR
	LOSS PARA	0.7954	0.7893	0.7863	0.5421	0.5176	0.6550	0.3799	0.9431	0.9743	LOSS PARA
	DFAC	0.8224	0.7677	0.7809	0.9394	0.9363	0.7914	0.6218	0.6203	0.6222	DFAC
	EFFP	0.8150	0.7592	0.7728	0.9368	0.9336	0.7943	0.6112	0.6095	0.6214	EFFP
	INCID	-0.910	-0.337	-0.105	-0.622	-2.106	-4.026	-7.021	-7.965	-9.865	INCID
	DEVM	12.176	16.437	16.237	9.029	8.000	12.504	26.635	31.868	36.344	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.575	18.905	19.010	19.760	19.570	18.640	17.870	17.930	18.030	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	573.250	569.700	569.950	567.600	568.100	565.210	567.500	568.500	568.950	T 2
SLOTTED											
STATION 4	PCT SPAN	94.96	90.34	84.87	69.68	49.53	29.48	14.64	9.56	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.730	35.015	36.450	37.885	39.445	39.700	39.650	DIA
STATION 2A	BETA 2	56.950	56.000	51.160	42.100	40.030	47.700	65.200	70.600	73.650	BETA 2
	BETA 2A	0.720	2.700	5.050	7.800	0.970	5.800	4.650	3.430	1.380	BETA 2A
	V 2	691.96	633.36	644.75	692.67	672.18	602.32	533.77	534.43	535.89	V 2
	V 2A	468.67	449.01	421.62	507.31	541.05	478.56	392.31	360.84	379.37	V 2A
	VZ 2	377.38	356.97	404.35	513.88	514.16	405.24	223.86	177.50	150.85	VZ 2
	VZ 2A	468.64	443.51	419.27	502.62	537.05	476.11	391.02	369.18	379.26	VZ 2A
	V-THETA 2	580.00	529.22	502.19	464.33	432.66	445.35	484.48	504.05	514.19	V-THETA 2
	V-THETA 2A	5.20	21.15	44.44	68.85	55.66	48.36	31.80	22.13	9.14	V-THETA 2A
	M 2	0.6113	0.5626	0.5685	0.6152	0.5965	0.5312	0.4670	0.4671	0.4683	M 2
	M 2A	0.4059	0.3896	0.3651	0.4428	0.4742	0.4178	0.3398	0.3197	0.3279	M 2A
	TURN(PR) 1	56.230	53.300	45.109	34.294	31.996	41.880	60.533	67.156	72.258	TURN(PR) 1
	TURN(PR) 2	0.2174	0.2227	0.2689	0.1272	0.0442	0.1433	0.1905	0.1757	0.2046	TURN(PR) 2
	UUBAR	0.0895	0.0925	0.1125	0.0547	0.0198	0.0671	0.0917	0.0855	0.1006	UUBAR
	LOSS PARA	0.6649	0.6244	0.6454	0.5164	0.4432	0.5171	0.6775	0.7506	0.7588	LOSS PARA
	DFAC	0.6191	0.7533	0.6339	0.6414	0.3564	1.0253	1.0787	0.9204	0.8964	DFAC
	EFFP	3.140	4.130	0.929	-5.086	-6.234	-1.070	12.783	16.666	17.838	EFFP
	INCID	17.200	18.290	20.670	20.320	18.640	18.320	13.770	18.380	17.330	INCID
	DEVM	19.500	19.300	19.220	19.450	19.500	19.225	18.575	18.500	18.500	DEVM
	P 2	18.567	18.398	18.157	18.923	19.318	18.674	17.968	17.818	17.889	P 2
	T 2	573.050	569.700	569.950	567.600	568.100	565.210	567.500	568.500	568.950	T 2
	T 2A	573.050	569.700	569.950	567.600	568.100	565.210	567.500	568.500	568.950	T 2A

Table B-3. Blade Element Performance, Slotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead
of Rotor (Concluded)

AGENT EQUIVALENT DESIGN SPEED = 98.38 EQUIVALENT ROTOR SPEED = 4142.00 CORRECTED WEIGHT FLOW = 38.20 PRESSURE RATIO = 1.2524											
INLET											
STATION 0	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 1	V 0	334.87	334.87	334.87	334.87	334.87	334.87	334.87	334.87	334.87	V 0
	V 1	404.72	404.08	403.76	400.06	330.90	372.56	352.28	341.28	332.24	V 1
STATION 1	VZ 0	334.87	334.87	334.87	334.87	334.87	334.87	334.87	334.87	334.87	VZ 0
	VZ 1	404.72	404.08	403.76	400.05	330.85	372.51	352.20	341.19	332.22	VZ 1
STATION 1	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
STATION 1	M 0	0.3027	0.3027	0.3027	0.3027	0.3027	0.3027	0.3027	0.3027	0.3027	M 0
	M 1	0.3674	0.3668	0.3665	0.3630	0.2990	0.3375	0.3187	0.3086	0.3003	M 1
STATION 1	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
STATION 1	DFAC	-0.209	-0.207	-0.206	-0.195	-0.112	-0.113	-0.052	-0.019	0.008	DFAC
	EFFP	0.9999	0.9998	0.9999	1.0000	1.0000	0.9997	0.9997	1.0001	1.0001	EFFP
STATION 1	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
STATION 1	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
STATION 1	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED ROTOR 4											
STATION 1	PCT SPAN	95.01	90.06	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.517	34.050	35.150	36.644	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	56.280	55.400	51.170	41.970	40.330	51.000	69.290	74.250	76.890	BETA 2
STATION 2	BETA(PR) 1	55.928	56.351	56.661	57.895	63.706	62.010	64.070	65.008	65.825	BETA(PR) 1
	BETA(PR) 2	4.511	12.179	14.739	18.437	24.342	31.823	47.518	54.475	59.830	BETA(PR) 2
STATION 2	V 1	404.72	404.08	403.76	400.06	330.90	372.56	352.28	341.28	332.24	V 1
	V 2	685.93	642.45	650.96	693.14	663.21	591.68	535.43	535.12	531.76	V 2
STATION 2	VZ 1	404.72	404.08	403.76	400.05	330.85	372.51	352.20	341.19	332.22	VZ 1
	VZ 2	390.81	354.81	408.16	515.29	503.86	372.25	190.39	145.24	120.61	VZ 2
STATION 2	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	570.57	524.82	507.10	463.48	432.77	459.69	503.59	515.00	517.88	V-THETA 2
STATION 2	V(PR) 1	722.4	729.3	734.7	752.7	745.9	793.7	805.5	807.6	811.2	V(PR) 1
	V(PR) 2	382.0	373.2	422.1	543.3	553.8	439.3	282.0	250.0	240.0	V(PR) 2
STATION 2	VTHETA PR1	-598.4	-677.1	-613.8	-637.6	-669.6	-700.9	-724.4	-732.0	-740.1	VTHETA PR1
	VTHETA PR2	-30.0	-79.7	-107.4	-171.8	-230.2	-231.0	-207.9	-203.4	-207.5	VTHETA PR2
STATION 2	U 1	598.37	637.07	613.75	637.61	669.60	710.87	724.36	731.95	740.08	U 1
	U 2	600.62	607.56	614.48	635.26	602.99	690.71	711.49	718.43	725.35	U 2
STATION 2	M 1	0.3574	0.3668	0.3665	0.3630	0.2990	0.3375	0.3187	0.3086	0.3003	M 1
	M 2	0.6063	0.5671	0.5742	0.6159	0.5929	0.5215	0.4716	0.4679	0.4647	M 2
STATION 2	M(PR) 1	0.6558	0.6620	0.6668	0.6831	0.6750	0.7190	0.7288	0.7303	0.7332	M(PR) 1
	M(PR) 2	0.3376	0.3294	0.3723	0.4827	0.4938	0.3863	0.2470	0.2186	0.2098	M(PR) 2
STATION 2	TURN(PR)	51.417	44.173	41.922	39.461	39.371	30.201	16.569	10.548	6.013	TURN(PR)
	UUBAR	0.3007	0.3268	0.2686	0.0706	0.0950	0.3756	0.5829	0.5072	0.6094	UUBAR
STATION 2	LOSS PARA	0.1180	0.1272	0.1046	0.0279	0.0334	0.1445	0.1836	0.1661	0.1456	LOSS PARA
	DFAC	0.7827	0.7771	0.7937	0.5342	0.5025	0.7080	0.9388	0.9879	1.0046	DFAC
STATION 2	EFFP	0.8435	0.8021	0.7922	0.9496	0.9289	0.7495	0.6160	0.6046	0.6128	EFFP
	EFF	0.8370	0.7948	0.7844	0.9475	0.9260	0.7414	0.6355	0.5937	0.6019	EFF
STATION 2	INCID	-0.502	0.131	0.281	0.194	2.413	-3.844	-6.115	-6.888	-8.026	INCID
	DEVM	13.011	15.679	14.939	8.583	7.931	12.705	23.216	35.404	41.161	DEVM
STATION 2	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.600	19.310	19.095	19.775	19.490	18.380	17.780	17.820	17.880	P 2
STATION 2	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	571.370	563.530	570.100	567.180	565.780	564.900	565.650	563.200	568.400	T 2
SLOTTED STATOR 4											
STATION 2	PCT SPAN	94.96	70.34	34.37	69.68	49.58	29.48	14.64	0.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.385	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	56.280	55.400	51.170	41.970	40.330	51.000	69.290	74.250	76.890	BETA 2
	BETA 2A	0.520	2.840	6.820	8.180	7.420	8.180	4.450	2.630	0.110	BETA 2A
STATION 2A	V 2	685.93	642.45	650.96	693.14	663.21	591.68	535.43	535.12	531.76	V 2
	V 2A	473.02	457.70	432.70	513.40	537.56	454.67	373.50	351.77	355.60	V 2A
STATION 2A	VZ 2	380.61	364.81	403.16	515.29	503.86	372.25	190.39	145.24	120.61	VZ 2
	VZ 2A	473.02	457.14	429.64	508.18	528.10	452.02	377.38	351.40	355.60	VZ 2A
STATION 2A	V-THETA 2	570.57	528.32	507.10	463.48	432.77	459.69	503.59	515.00	517.88	V-THETA 2
	V-THETA 2A	4.29	22.68	51.38	73.05	63.73	48.95	23.98	16.14	0.68	V-THETA 2A
STATION 2A	M 2	0.6063	0.5671	0.5742	0.6159	0.5929	0.5215	0.4716	0.4679	0.4647	M 2
	M 2A	0.4103	0.3978	0.3740	0.4485	0.4666	0.3963	0.3234	0.3038	0.3071	M 2A
STATION 2A	TURN(PR)	55.760	52.560	44.249	33.784	32.945	44.300	54.825	71.608	76.770	TURN(PR)
	UUBAR	0.2228	0.2351	0.2655	0.1169	0.0599	0.1708	0.1876	0.2130	0.2130	UUBAR
STATION 2A	LOSS PARA	0.0917	0.0977	0.1110	0.0502	0.0268	0.0799	0.0905	0.0885	0.1049	LOSS PARA
	DFAC	0.6508	0.6159	0.6305	0.5048	0.4505	0.5598	0.7350	0.8001	0.8128	DFAC
STATION 2A	EFFP	0.5892	0.7076	0.6176	0.6455	0.6614	1.0753	1.0513	0.9346	0.9219	EFFP
	INCID	2.470	3.530	0.939	-5.216	-5.934	2.230	14.875	20.318	21.080	INCID
STATION 2A	DEVM	17.300	13.430	21.440	20.700	19.090	13.700	13.570	17.580	16.060	DEVM
	P 2	19.500	19.375	19.250	19.450	19.500	19.150	18.450	18.250	18.400	P 2
STATION 2A	P 2A	18.567	18.413	18.193	18.965	17.252	18.487	17.853	17.720	17.765	P 2A
	T 2	571.870	568.530	570.100	567.180	565.780	564.900	565.650	563.200	568.400	T 2
STATION 2A	T 2A	571.870	563.530	570.100	567.180	565.780	564.900	565.650	563.200	568.400	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator

PERCENT EQUIVALENT DESIGN SPEED = 69.69

EQUIVALENT ROTOR SPEED = 2933.76

CORRECTED WEIGHT FLOW = 95.02

PRESSURE RATIO = 1.0729

INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	363.77	363.77	363.77	363.77	363.77	363.77	363.77	363.77	363.77	V 0
	V 1	424.93	428.29	430.42	427.07	418.29	414.70	421.23	412.50	402.16	V 1
	VZ 0	363.77	363.77	363.77	363.77	363.77	363.77	363.77	363.77	363.77	VZ 0
	VZ 1	424.93	428.29	430.42	427.07	418.23	414.64	421.13	412.39	402.14	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3294	0.3294	0.3294	0.3294	0.3294	0.3294	0.3294	0.3294	0.3294	M 0
	M 1	0.3863	0.3894	0.3914	0.3883	0.3801	0.3767	0.3828	0.3746	0.3650	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.168	-0.177	-0.183	-0.174	-0.150	-0.140	-0.158	-0.134	-0.106	DFAC
	EFFP	1.0000	0.9999	0.9999	0.9999	0.9999	1.0000	0.9999	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	37.570	34.720	32.500	29.140	29.420	29.500	27.040	29.700	32.950	BETA 2
	BETA(PR) 1	44.926	45.113	45.285	46.600	48.593	50.130	50.620	51.500	52.507	BETA(PR) 1
	BETA(PR) 2	12.870	13.967	15.016	20.291	25.327	28.760	31.535	31.951	37.237	BETA(PR) 2
	V 1	424.93	428.29	430.42	427.07	418.29	414.70	421.23	412.50	402.16	V 1
	V 2	537.94	555.98	570.03	555.66	519.97	504.57	503.66	490.90	435.00	V 2
	VZ 1	424.93	428.29	430.42	427.07	418.23	414.64	421.13	412.39	402.14	VZ 1
	VZ 2	426.37	456.98	480.75	485.26	452.74	439.92	448.33	425.16	364.83	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	328.00	316.67	306.27	270.53	255.32	248.33	228.83	243.08	236.47	V-THETA 2
	V(PR) 1	600.2	606.9	611.8	621.6	632.4	646.8	663.8	662.5	660.7	V(PR) 1
	V(PR) 2	437.4	470.9	497.8	517.5	501.1	501.0	526.3	502.5	458.5	V(PR) 2
	VTHETA PR1	-423.8	-430.0	-434.7	-451.6	-474.3	-496.4	-513.1	-518.4	-524.2	VTHETA PR1
	VTHETA PR2	-97.4	-113.7	-129.0	-179.4	-214.3	-240.9	-275.1	-265.8	-277.3	VTHETA PR2
	U 1	423.84	429.98	434.72	451.62	474.27	496.42	513.06	518.44	524.20	U 1
	U 2	425.41	430.33	435.23	449.95	469.59	489.23	503.95	508.86	513.77	U 2
	M 1	0.3863	0.3894	0.3914	0.3883	0.3801	0.3767	0.3828	0.3746	0.3650	M 1
	M 2	0.4817	0.4994	0.5129	0.4996	0.4670	0.4524	0.4518	0.4398	0.3881	M 2
	M(PR) 1	0.5456	0.5518	0.5563	0.5651	0.5746	0.5876	0.6033	0.6017	0.5996	M(PR) 1
	M(PR) 2	0.3917	0.4230	0.4479	0.4652	0.4501	0.4492	0.4721	0.4503	0.4091	M(PR) 2
	TURN(PR)	32.056	31.146	30.269	26.312	23.274	21.382	19.098	19.561	15.289	TURN(PR)
	UUBAR	0.2143	0.1401	0.0800	0.0385	0.1148	0.1648	0.1483	0.2191	0.3302	UUBAR
	LOSS PARA	0.0823	0.0541	0.0311	0.0150	0.0451	0.0654	0.0590	0.0875	0.1250	LOSS PARA
	DFAC	0.4968	0.4319	0.3881	0.3484	0.3822	0.3981	0.3665	0.4127	0.4745	DFAC
	EFFP	0.7049	0.8189	0.8894	0.8762	0.8319	0.7407	0.7254	0.6673	0.4539	EFFP
	EFF	0.7002	0.8156	0.8873	0.8739	0.8293	0.7371	0.7217	0.6631	0.4492	EFF
	INCID	-11.504	-11.107	-10.995	-11.100	-12.701	-15.725	-19.567	-20.398	-21.345	INCID
	DEVM	21.370	17.467	15.216	10.538	8.916	9.643	12.236	12.881	18.566	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.455	16.622	16.756	16.676	16.383	16.220	16.145	16.034	15.595	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.050	541.500	541.050	540.550	538.450	538.850	538.300	538.450	538.500	T 2
SLOTTED											
STATOR 4	PCT SPAN	94.96	90.34	84.37	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	37.570	34.720	32.500	29.140	29.420	29.500	27.040	29.700	32.950	BETA 2
	BETA 2A	7.620	7.030	6.280	3.320	3.760	5.250	6.330	7.250	8.080	BETA 2A
	V 2	537.94	555.98	570.03	555.66	519.97	504.57	503.66	490.90	435.00	V 2
	V 2A	470.92	487.21	494.50	519.45	507.02	486.11	461.86	441.21	419.48	V 2A
	VZ 2	426.37	456.98	480.75	485.26	452.74	439.92	448.33	425.16	364.83	VZ 2
	VZ 2A	466.76	483.54	491.53	518.58	505.93	484.07	459.04	437.68	415.32	VZ 2A
	V-THETA 2	328.00	316.67	306.27	270.53	255.32	248.33	228.83	243.08	236.47	V-THETA 2
	V-THETA 2A	62.45	59.63	54.09	30.08	33.25	44.48	50.92	55.68	58.96	V-THETA 2A
	M 2	0.4817	0.4994	0.5129	0.4996	0.4670	0.4524	0.4518	0.4398	0.3881	M 2
	M 2A	0.4195	0.4351	0.4421	0.4656	0.4549	0.4352	0.4130	0.3939	0.3739	M 2A
	TURN(PR)	29.950	27.690	26.219	25.815	25.647	24.232	20.692	22.431	24.850	TURN(PR)
	UUBAR	0.2198	0.2169	0.2064	0.1360	0.1121	0.1216	0.1459	0.1775	0.2545	UUBAR
	LOSS PARA	0.0898	0.0896	0.0864	0.0590	0.0505	0.0569	0.0701	0.0858	0.1239	LOSS PARA
	DFAC	0.3282	0.3165	0.3191	0.2537	0.2189	0.2278	0.2552	0.2891	0.2385	DFAC
	EFFP	-0.0057	0.0301	0.0410	-0.1167	-0.0676	-0.8045	-0.2080	-0.1845	-0.5988	EFFP
	INCID	-16.240	-17.150	-17.731	-18.045	-16.992	-19.267	-25.378	-24.239	-22.870	INCID
	DEVM	24.100	22.620	20.900	15.840	15.430	17.770	20.450	22.200	24.030	DEVM
	P 2i	16.350	16.530	16.575	16.620	16.400	16.175	15.995	15.875	15.875	P 2i
	P 2A	15.842	15.985	16.044	16.272	16.143	15.922	15.709	15.549	15.412	P 2A
	T 2	543.050	541.500	541.050	540.550	538.450	538.850	538.300	538.450	538.500	T 2
	T 2A	543.050	541.500	541.050	540.550	538.450	538.850	538.300	538.450	538.500	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.60 EQUIVALENT ROTOR SPEED = 2930.00 CORRECTED WEIGHT FLOW = 90.25 PRESSURE RATIO = 1.0945

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 2	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	343.47	343.47	343.47	343.47	343.47	343.47	343.47	343.47	343.47	343.47	V 0
	V 1	392.57	392.72	396.16	391.25	385.61	385.44	390.10	384.94	378.88	378.88	V 1
	VZ 0	343.47	343.47	343.47	343.47	343.47	343.47	343.47	343.47	343.47	343.47	VZ 0
	VZ 1	392.57	392.72	396.16	391.24	385.55	385.38	390.00	384.84	378.86	378.86	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3106	0.3106	0.3106	0.3106	0.3106	0.3106	0.3106	0.3106	0.3106	0.3106	M 0
	M 1	0.3561	0.3562	0.3594	0.3548	0.3496	0.3494	0.3538	0.3490	0.3434	0.3434	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.143	-0.143	-0.153	-0.139	-0.123	-0.122	-0.136	-0.121	-0.103	-0.103	DFAC
	EFFP	1.0000	0.9999	1.0000	0.9998	0.9999	0.9999	1.0001	0.9999	1.0001	1.0001	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.364	37.219	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	BETA 2	40.820	33.900	36.300	32.220	32.050	32.400	31.800	34.300	36.350	36.350	BETA 2
	BETA(PR) 1	47.157	47.556	47.620	49.061	50.355	52.142	52.724	53.378	54.108	54.108	BETA(PR) 1
	BETA(PR) 2	12.320	13.840	16.864	20.432	25.355	28.952	32.513	34.794	41.219	41.219	BETA(PR) 2
	V 1	392.57	392.72	396.16	391.25	385.61	385.44	390.10	384.94	378.88	378.88	V 1
	V 2	518.72	524.32	519.75	529.80	498.36	487.42	471.22	447.00	395.42	395.42	V 2
	VZ 1	392.57	392.72	396.16	391.24	385.55	385.38	390.00	384.84	378.86	378.86	VZ 1
	VZ 2	392.55	408.05	418.88	448.14	422.25	411.33	400.26	369.07	318.32	318.32	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	339.08	329.25	307.70	282.43	264.36	261.04	248.17	251.76	234.26	234.26	V-THETA 2
	V(PR) 1	577.3	561.9	537.7	597.1	610.3	628.0	644.0	645.2	646.2	646.2	V(PR) 1
	V(PR) 2	401.9	420.2	437.7	473.3	469.4	470.3	474.9	449.7	423.4	423.4	V(PR) 2
	VTHETA PR1	-423.3	-429.4	-434.2	-451.0	-473.7	-495.8	-512.4	-517.8	-523.5	-523.5	VTHETA PR1
	VTHETA PR2	-105.2	-106.5	-127.0	-166.9	-204.6	-227.6	-255.1	-256.4	-279.9	-279.9	VTHETA PR2
	U 1	423.30	424.43	434.16	451.04	473.67	495.78	512.40	517.77	523.53	523.53	U 1
	U 2	424.87	429.78	434.67	449.38	463.19	488.60	503.30	508.21	513.11	513.11	U 2
	M 1	0.3561	0.3562	0.3594	0.3548	0.3496	0.3494	0.3538	0.3490	0.3434	0.3434	M 1
	M 2	0.4626	0.4696	0.4654	0.4751	0.4463	0.4359	0.4209	0.3985	0.3512	0.3512	M 2
	M(PR) 1	0.5236	0.5278	0.5332	0.5415	0.5538	0.5633	0.5840	0.5849	0.5857	0.5857	M(PR) 1
	M(PR) 2	0.3591	0.3764	0.3920	0.4289	0.4203	0.4206	0.4242	0.4009	0.3761	0.3761	M(PR) 2
	TURN(PR)	34.829	33.717	30.757	28.633	25.007	23.202	20.224	18.598	12.909	12.909	TURN(PR)
	UUBAR	0.1963	0.1545	0.1215	0.0284	0.0769	0.1221	0.1477	0.2180	0.2792	0.2792	UUBAR
	LOSS PARA	0.0755	0.0597	0.0468	0.0111	0.0301	0.0484	0.0581	0.0843	0.0998	0.0998	LOSS PARA
	DFAC	0.5356	0.5032	0.4663	0.3955	0.4136	0.4379	0.4407	0.4851	0.5155	0.5155	DFAC
	EFFP	0.7545	0.8495	0.8332	0.9172	0.8730	0.8144	0.7484	0.6616	0.5036	0.5036	EFFP
	FFF	0.7603	0.8467	0.8302	0.9156	0.8759	0.8113	0.7446	0.6571	0.4985	0.4985	FFF
	INCID	-9.273	-8.664	-8.660	-8.639	-10.439	-13.713	-17.462	-18.519	-19.744	-19.744	INCID
	DEVM	20.328	17.340	17.064	10.678	9.444	9.335	13.213	15.723	22.547	22.547	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.636	16.708	16.658	16.810	16.600	16.500	16.345	16.150	15.800	15.800	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	543.330	541.600	541.500	540.900	539.700	540.230	540.220	540.300	540.500	540.500	T 2
SLOTTED		PCT SPAN	94.95	90.34	84.47	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 4	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	39.650	DIA
	BETA 2	40.320	38.900	36.300	32.220	32.050	32.400	31.800	34.300	36.350	36.350	BETA 2
STATION 2A	BETA 2A	4.665	4.730	4.860	4.230	3.710	5.465	5.835	6.970	7.930	7.930	BETA 2A
	V 2	518.72	524.32	519.75	529.80	498.36	487.42	471.22	447.00	395.42	395.42	V 2
	V 2A	414.30	432.24	425.13	464.67	468.28	451.92	427.91	411.63	398.22	398.22	V 2A
	VZ 2	392.55	408.05	418.88	448.14	422.25	411.33	400.26	369.07	318.32	318.32	VZ 2
	VZ 2A	413.43	430.77	423.50	463.40	467.30	449.87	425.69	408.59	394.42	394.42	VZ 2A
	V-THETA 2	339.08	329.25	307.70	282.43	264.36	261.04	248.17	251.76	234.26	234.26	V-THETA 2
	V-THETA 2A	33.74	35.64	36.02	34.27	30.30	43.04	43.50	49.95	54.94	54.94	V-THETA 2A
	M 2	0.4336	0.4696	0.4654	0.4751	0.4463	0.4359	0.4209	0.3985	0.3512	0.3512	M 2
	M 2A	0.3380	0.3845	0.3790	0.4145	0.4134	0.4030	0.3810	0.3561	0.3538	0.3538	M 2A
	TURN(PR)	36.155	34.170	31.439	27.985	23.327	26.016	25.945	27.309	28.399	28.399	TURN(PR)
	UUBAR	0.2263	0.1848	0.1904	0.1387	0.0810	0.1042	0.1065	0.1573	0.1877	0.1877	UUBAR
	LOSS PARA	0.0929	0.0766	0.0799	0.0601	0.0365	0.0487	0.0511	0.0761	0.0914	0.0914	LOSS PARA
	DFAC	0.4430	0.4091	0.4025	0.3270	0.2737	0.2844	0.3035	0.3012	0.2183	0.2183	DFAC
	EFFP	0.3602	0.3652	0.3574	0.3746	0.3521	0.3344	0.3177	0.4166	-5.3206	-5.3206	EFFP
	INCID	-12.990	-12.970	-13.931	-14.965	-14.263	-16.368	-20.620	-19.641	-19.471	-19.471	INCID
	DEVM	21.145	20.320	19.480	16.750	15.380	17.985	19.955	21.920	23.980	23.980	DEVM
	P 2	16.575	16.610	16.550	16.760	16.650	16.525	16.300	16.275	16.250	16.250	P 2
	P 2A	16.073	16.195	16.133	16.433	16.474	16.312	16.105	15.992	15.923	15.923	P 2A
	T 2	543.330	541.600	541.500	540.900	539.700	540.230	540.220	540.300	540.500	540.500	T 2
	T 2A	543.330	541.600	541.500	540.900	539.700	540.230	540.220	540.300	540.500	540.500	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.26

EQUIVALENT ROTOR SPEED = 2915.80

CORRECTED WEIGHT FLOW = 83.83

PRESSURE RATIO = 1.1162

INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.98	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	316.76	316.76	316.76	316.76	316.76	316.76	316.76	316.76	316.76	V 0
	V 1	358.03	360.34	363.34	360.34	354.09	347.92	353.37	342.77	338.48	V 1
	VZ 0	316.76	316.76	316.76	316.76	316.76	316.76	316.76	316.76	316.76	VZ 0
	VZ 1	358.03	360.34	363.34	360.34	354.04	347.87	353.28	342.68	338.46	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2861	0.2861	0.2861	0.2861	0.2861	0.2861	0.2861	0.2861	0.2861	M 0
	M 1	0.3241	0.3262	0.3290	0.3262	0.3204	0.3147	0.3197	0.3100	0.3060	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.130	-0.138	-0.147	-0.138	-0.118	-0.098	-0.116	-0.092	-0.069	DFAC
	EFFP	0.9999	1.0001	0.9999	1.0001	1.0000	0.9997	0.9997	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.634	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	45.250	43.700	41.500	36.150	35.400	36.420	33.150	41.000	43.330	BETA 2
	BETA(PR) 1	49.637	49.862	49.938	51.243	53.090	54.914	55.285	56.374	56.990	BETA(PR) 1
	BETA(PR) 2	12.820	13.932	16.256	20.635	24.692	28.079	33.891	35.476	38.150	BETA(PR) 2
	V 1	358.03	360.34	363.34	360.34	354.09	347.92	353.37	342.77	338.48	V 1
	V 2	485.77	491.47	491.00	500.31	489.36	475.53	437.27	423.79	406.20	V 2
	VZ 1	358.03	360.34	363.34	360.34	354.04	347.37	353.28	342.68	338.46	VZ 1
	VZ 2	341.99	355.32	367.73	403.93	393.75	392.47	343.70	319.70	295.35	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	344.99	339.55	325.34	295.09	283.38	282.19	269.98	277.91	278.62	V-THETA 2
	V(PR) 1	552.8	559.0	564.5	575.6	589.6	603.7	620.4	618.9	621.3	V(PR) 1
	V(PR) 2	350.7	366.1	383.1	431.7	439.1	433.7	414.3	392.8	375.8	V(PR) 2
	VTHETA PR1	-421.2	-427.4	-432.1	-448.9	-471.4	-493.4	-509.9	-515.3	-521.0	VTHETA PR1
	VTHETA PR2	-77.4	-83.1	-107.2	-152.1	-193.3	-204.0	-230.9	-277.8	-232.0	VTHETA PR2
	U 1	421.24	427.35	432.06	448.85	471.37	493.38	509.92	515.26	520.99	U 1
	M 1	0.3241	0.3262	0.3290	0.3262	0.3204	0.3147	0.3197	0.3100	0.3060	M 1
	M 2	0.4335	0.4399	0.4391	0.4483	0.4376	0.4247	0.3894	0.3770	0.3609	M 2
	M(PR) 1	0.5004	0.5060	0.5111	0.5210	0.5335	0.5461	0.5536	0.5596	0.5617	M(PR) 1
	M(PR) 2	0.3130	0.3277	0.3425	0.3969	0.3927	0.3874	0.3689	0.3494	0.3338	M(PR) 2
	TURN(PR)	36.818	35.930	33.682	30.611	28.406	26.747	21.408	20.912	18.860	TURN(PR)
	UUBAR	0.1965	0.1754	0.1477	0.10257	0.0302	0.0300	0.1512	0.2121	0.2537	UUBAR
	LOSS PARA	0.0754	0.0678	0.0571	0.0100	0.0119	0.0320	0.0585	0.0813	0.0948	LOSS PARA
	DFAC	0.6117	0.5871	0.5537	0.4631	0.4631	0.4916	0.5334	0.5748	0.6063	DFAC
	EFFP	0.8303	0.9476	0.9023	1.0439	0.9816	0.9427	0.9146	0.7795	0.7196	EFFP
	EFF	0.8271	0.9466	0.9005	1.0448	0.9812	0.9416	0.9114	0.7658	0.7153	EFF
	INCID	-6.793	-6.358	-6.342	-6.458	-6.204	-11.940	-14.901	-15.523	-16.861	INCID
	DEVM	21.320	17.432	16.455	10.881	8.731	8.962	14.590	16.405	19.478	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.715	16.755	16.740	16.918	16.995	16.335	16.551	16.448	16.335	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.220	539.640	540.560	539.100	540.300	540.530	540.910	540.850	540.970	T 2
SLOTTED											
STATION 2 STATION 2A	PCT SPAN	94.08	90.34	84.87	69.68	49.59	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.945	38.945	39.300	39.650	DIA
	BETA 2	45.250	43.700	41.500	36.150	35.400	36.420	33.150	41.000	43.330	BETA 2
	BETA 2A	3.100	3.220	3.510	4.100	3.570	5.550	7.190	7.720	8.150	BETA 2A
	V 2	485.77	491.47	491.00	500.31	489.36	475.53	437.27	423.79	406.20	V 2
	V 2A	357.71	377.49	362.15	408.13	434.16	415.52	399.06	393.41	372.39	V 2A
	VZ 2	341.99	355.32	367.73	403.93	393.75	392.47	343.70	319.70	295.35	VZ 2
	VZ 2A	357.19	376.90	361.47	407.09	433.32	413.57	395.92	379.94	368.63	VZ 2A
	V-THETA 2	344.99	339.55	325.34	295.09	283.38	282.19	269.98	277.91	278.62	V-THETA 2
	V-THETA 2A	19.34	21.20	22.17	29.18	27.03	40.19	49.95	51.50	52.79	V-THETA 2A
	M 2	0.4335	0.4399	0.4391	0.4483	0.4376	0.4247	0.3894	0.3770	0.3609	M 2
	M 2A	0.3165	0.3352	0.3210	0.3633	0.3867	0.3696	0.3544	0.3402	0.3302	M 2A
	TURN(PR)	42.150	40.490	37.999	32.044	31.816	30.850	30.938	33.258	35.158	TURN(PR)
	UUBAR	0.1945	0.1411	0.1717	0.1122	0.0384	0.1044	0.1060	0.1729	0.1729	UUBAR
	LOSS PARA	0.0800	0.0586	0.0722	0.0486	0.0173	0.0488	0.0507	0.0619	0.0839	LOSS PARA
	DFAC	0.5401	0.5019	0.5228	0.4158	0.3507	0.3664	0.3325	0.3531	0.3593	DFAC
	EFFP	0.5881	0.6500	0.5724	0.6109	0.7724	0.5697	0.7982	0.7803	0.8990	EFFP
	INCID	-8.560	-8.170	-8.731	-11.936	-10.914	-12.350	-14.271	-12.942	-12.492	INCID
	DEVM	19.580	18.310	18.130	16.620	15.240	18.070	21.310	22.670	24.100	DEVM
	P 2	16.700	16.725	16.650	16.850	16.875	16.825	16.680	16.600	16.600	P 2
	P 2A	16.309	16.435	16.309	16.613	16.796	16.621	16.492	16.383	16.311	P 2A
	T 2	542.220	539.640	540.560	539.100	540.300	540.530	540.910	540.850	540.970	T 2
	T 2A	542.220	539.640	540.560	539.100	540.300	540.530	540.910	540.850	540.970	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.62

EQUIVALENT ROTOR SPEED = 2931.10

CORRECTED WEIGHT FLOW = 77.70

PRESSURE RATIO = 1.1285

INLET		PCT SPAN	96.90	91.17	85.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.350	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	291.84	291.84	291.84	291.84	291.84	291.84	291.84	291.84	291.84	291.84	V 0
	V 1	330.52	329.18	330.71	332.05	329.95	322.58	329.56	322.19	314.46	314.46	V 1
	VZ 0	291.84	291.84	291.84	291.84	291.84	291.84	291.84	291.84	291.84	291.84	VZ 0
	VZ 1	330.52	329.18	330.71	332.05	329.95	322.53	329.48	322.11	314.44	314.44	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	0.2632	M 0
	M 1	0.2987	0.2975	0.2989	0.3001	0.2982	0.2914	0.2978	0.2910	0.2839	0.2839	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.133	-0.128	-0.133	-0.138	-0.131	-0.105	-0.129	-0.104	-0.077	-0.077	DFAC
	EFFP	0.9998	0.9999	0.9999	1.0000	0.9999	0.9999	1.0000	0.9999	1.0000	1.0000	EFFP
	INCIO	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCIO
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	49.220	49.770	46.550	39.780	33.620	39.130	42.440	44.360	45.900	45.900	BETA 2
	BETA(PR) 1	52.027	52.539	52.713	53.651	55.154	56.764	57.268	58.124	59.020	59.020	BETA(PR) 1
	BETA(PR) 2	12.543	13.302	16.679	21.360	24.912	28.781	33.206	33.667	38.112	38.112	BETA(PR) 2
	V 1	336.52	329.18	330.71	332.05	329.95	322.58	329.56	322.19	314.46	314.46	V 1
	V 2	470.93	473.47	470.50	478.10	475.48	462.54	435.03	432.71	406.23	406.23	V 2
	VZ 1	336.52	329.18	330.71	332.05	329.95	322.53	329.48	322.11	314.44	314.44	VZ 1
	VZ 2	307.59	311.93	323.57	367.38	371.36	358.64	320.91	309.25	282.60	282.60	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	356.60	350.19	341.57	305.87	296.69	291.77	293.44	302.42	291.62	291.62	V-THETA 2
	V(PR) 1	537.2	541.2	545.9	560.2	577.4	591.6	609.4	610.0	610.9	610.9	V(PR) 1
	V(PR) 2	315.1	320.5	336.3	394.5	429.7	409.4	333.7	371.8	359.3	359.3	V(PR) 2
	VTHETA PR1	-423.5	-429.6	-434.3	-451.2	-473.8	-496.0	-512.6	-518.0	-523.7	-523.7	VTHETA PR1
	VTHETA PR2	-68.4	-73.8	-93.3	-143.7	-172.5	-197.0	-210.0	-206.0	-221.7	-221.7	VTHETA PR2
	U 1	423.45	429.59	434.33	451.21	473.34	495.97	512.60	517.97	523.72	523.72	U 1
	U 2	429.33	429.94	434.84	449.54	469.16	488.78	503.47	508.40	513.30	513.30	U 2
	M 1	0.2957	0.2975	0.2989	0.3001	0.2982	0.2914	0.2978	0.2910	0.2839	0.2839	M 1
	M 2	0.4183	0.4217	0.4190	0.4266	0.4242	0.4119	0.3863	0.3340	0.3598	0.3598	M 2
	M(PR) 1	0.4854	0.4891	0.4933	0.5063	0.5218	0.5344	0.5507	0.5510	0.5516	0.5516	M(PR) 1
	M(PR) 2	0.7802	0.7855	0.7999	0.8520	0.8654	0.8648	0.8408	0.8300	0.8183	0.8183	M(PR) 2
	TURN(PR)	39.494	39.236	36.634	32.294	30.249	28.196	24.076	24.471	20.927	20.927	TURN(PR)
	UUBAR	0.2114	0.2070	0.1775	0.0493	0.0288	0.0502	0.1409	0.1732	0.2048	0.2048	UUBAR
	LOSS PARA	0.0813	0.0802	0.0687	0.0191	0.0114	0.0239	0.0550	0.0679	0.0766	0.0766	LOSS PARA
	DFAC	0.6752	0.6700	0.6353	0.5227	0.5127	0.5296	0.5928	0.6218	0.6364	0.6364	DFAC
	EFFP	0.7824	0.8422	0.8351	0.9369	0.9709	0.9235	0.8301	0.8151	0.7426	0.7426	EFFP
	EFF	0.7782	0.7391	0.8319	0.9356	0.9703	0.9219	0.8268	0.8115	0.7380	0.7380	EFF
	INCIO	-4.403	-3.681	-3.567	-4.050	-5.140	-8.490	-12.918	-13.773	-14.832	-14.832	INCIO
	DEVM	21.043	16.802	16.279	11.606	9.571	9.664	13.906	14.536	19.441	19.441	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.304	16.340	16.525	16.956	17.339	17.002	15.825	15.828	16.650	16.650	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	544.750	543.250	543.300	541.850	541.800	542.650	543.450	543.950	544.250	544.250	T 2
STATION 2A	PCT SPAN	94.95	90.34	84.87	69.68	49.58	29.48	14.64	9.56	4.76	4.76	PCT SPAN
	DIA	33.210	33.540	32.930	35.015	36.450	37.885	38.945	39.300	39.650	39.650	DIA
	BETA 2	49.220	48.790	46.550	39.780	33.620	39.130	42.440	44.360	45.900	45.900	BETA 2
	BETA 2A	2.340	2.760	3.270	4.170	3.370	5.610	9.360	9.130	9.680	9.680	BETA 2A
	V 2	470.93	473.47	470.50	478.10	475.48	462.54	435.03	432.71	406.23	406.23	V 2
	V 2A	317.97	329.68	319.55	360.34	400.70	393.36	377.76	360.42	348.49	348.49	V 2A
	VZ 2	307.59	311.93	323.57	367.38	371.36	358.64	320.91	309.25	282.60	282.60	VZ 2
	VZ 2A	317.70	329.30	319.03	359.39	399.93	391.48	366.82	355.46	343.53	343.53	VZ 2A
	V-THETA 2	356.60	350.19	341.57	305.87	296.69	291.77	293.44	302.42	291.62	291.62	V-THETA 2
	V-THETA 2A	12.96	15.37	13.23	26.20	24.95	38.45	53.91	57.19	58.60	58.60	V-THETA 2A
	M 2	0.4183	0.4217	0.4190	0.4266	0.4242	0.4119	0.3863	0.3340	0.3598	0.3598	M 2
	M 2A	0.2801	0.2910	0.2819	0.3190	0.3556	0.3497	0.3279	0.3184	0.3076	0.3076	M 2A
	TURN(PR)	46.880	46.030	43.279	35.604	32.036	33.500	34.058	35.208	36.198	36.198	TURN(PR)
	UUBAR	0.1545	0.1341	0.1642	0.0837	0.0370	0.0660	0.1289	0.1289	0.2078	0.2078	UUBAR
	LOSS PARA	0.0636	0.0557	0.0690	0.0362	0.0167	0.0308	0.0616	0.0620	0.1008	0.1008	LOSS PARA
	DFAC	0.6257	0.6033	0.6106	0.5011	0.4168	0.4086	0.4160	0.4453	0.4270	0.4270	DFAC
	EFFP	0.6703	0.6910	0.6350	0.6873	0.8209	0.7309	0.6919	0.5800	0.7019	0.7019	EFFP
	INCIO	-4.593	-3.900	-3.631	-7.400	-7.634	-9.640	-9.982	-9.582	-9.922	-9.922	INCIO
	DEVM	18.820	18.350	17.840	16.690	15.240	18.130	22.480	24.030	25.630	25.630	DEVM
	P 2A	16.725	16.750	16.725	16.825	17.000	16.975	16.900	16.815	16.875	16.875	P 2A
	P 2A	16.442	16.502	16.427	16.669	16.929	16.953	16.673	16.607	16.532	16.532	P 2A
	T 2	544.750	543.250	543.300	541.850	541.800	542.650	543.450	543.950	544.250	544.250	T 2
	T 2A	544.750	543.250	543.300	541.850	541.800	542.650	543.450	543.950	544.250	544.250	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.32 EQUIVALENT ROTOR SPEED = 2918.40 CORRECTED WEIGHT FLOW = 71.33 PRESSURE RATIO = 1.1355

UNIT		PCT SPAN	96.90	91.17	86.75	71.00	50.24	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.020	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	266.45	266.45	266.45	266.45	266.45	266.45	266.45	266.45	266.45	266.45	V 0
	V 1	296.75	298.85	300.95	303.03	299.49	294.63	292.49	288.17	285.33	285.33	V 1
	VZ 0	266.45	266.45	266.45	266.45	266.45	266.45	266.45	266.45	266.45	266.45	VZ 0
	VZ 1	296.75	298.85	300.95	303.03	299.45	294.58	292.42	288.10	285.32	285.32	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	0.2400	M 0
	M 1	0.2677	0.2696	0.2716	0.2735	0.2702	0.2658	0.2638	0.2599	0.2573	0.2573	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.114	-0.122	-0.129	-0.137	-0.124	-0.106	-0.098	-0.082	-0.071	-0.071	DFAC
	EFFP	0.9999	0.9996	0.9999	1.0001	1.0001	0.9999	1.0001	0.9999	1.0000	1.0000	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4 STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	52.790	52.150	50.390	44.180	42.100	42.200	44.720	46.100	47.670	47.670	BETA 2
	BETA(PR) 1	54.861	55.058	55.165	56.000	57.576	59.182	60.189	62.811	61.314	61.314	BETA(PR) 1
	BETA(PR) 2	14.696	15.026	17.312	22.512	24.849	28.961	32.816	33.817	36.468	36.468	BETA(PR) 2
	V 1	296.75	298.85	300.95	303.03	299.49	294.63	292.49	288.17	285.33	285.33	V 1
	V 2	443.12	448.56	446.75	450.28	460.79	450.09	431.64	427.31	413.31	413.31	V 2
	VZ 1	296.75	298.85	300.95	303.03	299.45	294.58	292.42	288.10	285.32	285.32	VZ 1
	VZ 2	267.97	275.24	284.83	322.89	341.80	333.30	306.59	296.19	278.23	278.23	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	352.91	354.19	344.17	313.77	308.84	302.21	303.60	307.79	305.44	305.44	V-THETA 2
	V(PR) 1	515.6	521.8	526.9	541.9	558.5	575.0	588.2	590.8	594.4	594.4	V(PR) 1
	V(PR) 2	277.0	285.0	298.3	349.6	376.8	381.1	365.0	356.7	346.1	346.1	V(PR) 2
	VTHETA PR1	-421.5	-427.7	-432.4	-449.3	-471.4	-493.9	-510.4	-515.7	-521.5	-521.5	VTHETA PR1
	VTHETA PR2	-70.3	-73.9	-88.3	-133.8	-158.3	-184.5	-197.7	-198.4	-205.6	-205.6	VTHETA PR2
	U 1	421.62	427.73	432.44	449.25	471.41	493.82	510.38	515.72	521.45	521.45	U 1
	U 2	423.19	428.08	432.95	447.60	467.13	486.66	501.31	506.20	511.08	511.08	U 2
	M 1	0.2677	0.2696	0.2716	0.2735	0.2702	0.2658	0.2638	0.2599	0.2573	0.2573	M 1
	M 2	0.3941	0.3998	0.3979	0.4015	0.4103	0.4002	0.3829	0.3789	0.3659	0.3659	M 2
	M(PR) 1	0.4651	0.4708	0.4754	0.4890	0.5039	0.5187	0.5306	0.5327	0.5360	0.5360	M(PR) 1
	M(PR) 2	0.2464	0.2540	0.2657	0.3117	0.3356	0.3389	0.3218	0.3163	0.3065	0.3065	M(PR) 2
	TURN(PR)	40.165	40.032	37.853	33.491	32.734	30.235	27.387	27.008	24.866	24.866	TURN(PR)
	UUBAR	0.2193	0.2083	0.1827	0.0766	0.0315	0.0476	0.1028	0.1350	0.1688	0.1688	UUBAR
	LOSS PARA	0.0835	0.0801	0.0703	0.0295	0.0124	0.0189	0.0403	0.0528	0.0646	0.0646	LOSS PARA
	DFAC	0.7327	0.7243	0.6970	0.5956	0.5645	0.5734	0.6180	0.6393	0.6595	0.6595	DFAC
	EFFP	0.8524	0.9409	0.9176	1.0025	0.9769	0.9492	0.8753	0.8616	0.8063	0.8063	EFFP
	EFF	0.8495	0.9397	0.9160	1.0025	0.9764	0.9481	0.8726	0.8587	0.8024	0.8024	EFF
	INCID	-1.569	-1.162	-1.115	-1.701	-3.718	-6.672	-9.997	-11.085	-12.537	-12.537	INCID
	DEVM	23.196	18.526	17.512	12.758	9.438	9.844	13.516	14.747	17.797	17.797	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.790	16.850	16.855	16.950	17.130	17.130	17.050	17.015	16.910	16.910	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	542.410	540.720	541.340	540.250	542.500	543.210	544.500	544.550	545.170	545.170	T 2
SLOTTED STATOR 4 STATION 2 STATION 2A	PCT SPAN	94.95	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	39.945	39.300	39.650	39.650	DIA
	BETA 2	52.790	52.150	50.390	44.180	42.100	42.200	44.720	46.100	47.670	47.670	BETA 2
	BETA 2A	2.850	3.000	3.540	4.750	3.930	6.070	8.550	8.600	8.770	8.770	BETA 2A
	V 2	443.12	448.56	446.75	450.28	460.79	450.09	431.64	427.31	413.31	413.31	V 2
	V 2A	286.54	293.95	281.63	319.19	353.84	368.21	345.08	323.24	313.12	313.12	V 2A
	VZ 2	267.97	275.24	284.83	322.89	341.80	333.30	306.59	296.19	278.23	278.23	VZ 2
	VZ 2A	286.18	293.54	281.09	318.09	352.01	366.14	341.25	319.60	309.46	309.46	VZ 2A
	V-THETA 2	352.91	354.19	344.17	313.77	308.84	302.21	303.60	307.79	305.44	305.44	V-THETA 2
	V-THETA 2A	14.25	15.38	17.39	26.43	24.25	38.94	51.30	48.34	47.74	47.74	V-THETA 2A
	M 2	0.3941	0.3998	0.3979	0.4015	0.4103	0.4002	0.3829	0.3789	0.3659	0.3659	M 2
	M 2A	0.2526	0.2596	0.2485	0.2824	0.3129	0.3257	0.3045	0.2849	0.2757	0.2757	M 2A
	TURN(PR)	49.940	49.150	46.849	39.424	38.155	36.110	36.148	37.478	38.878	38.878	TURN(PR)
	UUBAR	0.1117	0.1324	0.1462	0.0569	0.0341	0.0541	0.1318	0.1793	0.2099	0.2099	UUBAR
	LOSS PARA	0.0459	0.0550	0.0614	0.0246	0.0153	0.0252	0.0630	0.0864	0.1020	0.1020	LOSS PARA
	DFAC	0.6685	0.6595	0.6780	0.5691	0.5126	0.4585	0.4852	0.5421	0.5518	0.5518	DFAC
	EFFP	0.7839	0.7637	0.7074	0.7408	0.7576	0.7632	0.6183	0.5374	0.5765	0.5765	EFFP
	INCID	-1.020	0.280	0.159	-3.006	-4.215	-6.570	-7.702	-7.842	-8.152	-8.152	INCID
	DEVM	19.330	18.590	18.160	17.270	15.620	18.590	22.670	23.550	24.720	24.720	DEVM
	P 2	16.750	16.830	16.775	16.800	16.985	17.075	17.025	16.960	16.950	16.950	P 2
	P 2A	16.564	16.600	16.532	16.707	16.926	16.991	16.812	16.682	16.628	16.628	P 2A
	T 2	542.410	540.720	541.340	540.250	542.500	543.210	544.500	544.550	545.170	545.170	T 2
	T 2A	542.410	540.720	541.340	540.250	542.500	543.210	544.500	544.550	545.170	545.170	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 69.97 EQUIVALENT ROTOR SPEED = 2945.92 CORRECTED WEIGHT FLOW = 64.59 PRESSURE RATIO = 1.1378											
INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	240.04	240.04	240.04	240.04	240.04	240.04	240.04	240.04	240.04	V 0
	V 1	269.56	270.26	274.84	276.87	270.26	265.84	262.05	257.75	253.62	V 1
	VZ 0	240.04	240.04	240.04	240.04	240.04	240.04	240.04	240.04	240.04	VZ 0
	VZ 1	269.56	270.26	274.84	276.87	270.22	265.80	261.99	257.68	253.60	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.2160	0.2160	0.2160	0.2160	0.2160	0.2160	0.2160	0.2160	0.2160	M 0
	M 1	0.2429	0.2435	0.2477	0.2495	0.2435	0.2395	0.2360	0.2321	0.2284	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.123	-0.126	-0.145	-0.153	-0.126	-0.107	-0.092	-0.074	-0.057	DFAC
	EFFP	0.9999	0.9999	0.9999	0.9998	0.9999	1.0001	0.9995	1.0000	1.0002	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	93.00	95.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.634	38.213	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	55.600	55.910	54.770	49.130	45.620	44.970	48.700	50.760	51.740	BETA 2
	BETA(PR) 1	57.651	57.956	57.805	58.595	60.429	61.933	63.045	63.666	64.275	BETA(PR) 1
	BETA(PR) 2	12.629	14.485	17.581	24.553	27.860	31.346	34.482	36.097	40.047	BETA(PR) 2
	V 1	269.56	270.26	274.84	276.87	270.26	265.84	262.05	257.75	253.62	V 1
	V 2	448.86	444.12	437.20	428.25	434.94	431.96	420.24	413.63	395.23	V 2
	VZ 1	269.56	270.26	274.84	276.87	270.22	265.80	261.99	257.68	253.60	VZ 1
	VZ 2	253.59	248.93	252.20	280.20	304.13	305.49	277.27	261.57	244.67	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	370.36	367.81	357.12	323.81	310.78	305.17	315.60	320.26	310.25	V-THETA 2
	V(PR) 1	503.8	509.4	515.8	531.3	547.6	564.9	578.0	580.9	584.3	V(PR) 1
	V(PR) 2	259.9	257.1	264.6	308.1	344.1	357.9	336.5	323.9	319.8	V(PR) 2
	VTHETA PR1	-425.6	-431.8	-436.5	-453.5	-476.2	-493.5	-515.2	-520.6	-526.4	VTHETA PR1
	VTHETA PR2	-50.3	-64.3	-75.9	-128.0	-163.8	-186.1	-190.4	-190.7	-205.6	VTHETA PR2
	U 1	425.60	431.77	436.52	453.49	476.24	498.48	515.19	520.59	526.37	U 1
	U 2	427.18	432.11	437.04	451.82	471.54	491.25	506.04	513.97	515.90	U 2
	M 1	0.2429	0.2435	0.2477	0.2495	0.2435	0.2395	0.2360	0.2321	0.2284	M 1
	M 2	0.3984	0.3942	0.3881	0.3804	0.3866	0.3935	0.3723	0.3660	0.3491	M 2
	M(PR) 1	0.4537	0.4590	0.4649	0.4789	0.4934	0.5039	0.5206	0.5231	0.5261	M(PR) 1
	M(PR) 2	0.2306	0.2282	0.2349	0.2737	0.3059	0.3178	0.2982	0.2866	0.2824	M(PR) 2
	TURN(PR)	45.022	43.471	40.225	34.046	30.578	30.601	28.578	27.584	24.249	TURN(PR)
	UUBAR	0.2108	0.2274	0.2216	0.1365	0.0789	0.0679	0.1455	0.1691	0.1847	UUBAR
	LOSS PARA	0.0810	0.0877	0.0851	0.0517	0.0303	0.0262	0.0548	0.0643	0.0672	LOSS PARA
	DFAC	0.7741	0.7829	0.7661	0.6734	0.6169	0.6093	0.6701	0.6997	0.7027	DFAC
	EFFP	0.8341	0.8330	0.8393	0.8845	0.9452	0.9384	0.9712	0.9451	0.7816	EFFP
	EFF	0.8306	0.8295	0.8361	0.8821	0.9440	0.9370	0.9684	0.8418	0.7771	EFF
	INCID	1.221	1.736	1.525	0.894	-0.864	-3.721	-7.140	-8.230	-9.576	INCID
	DEVM	21.129	17.985	17.781	14.799	11.448	12.228	15.181	17.026	21.376	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	16.990	16.955	16.905	16.912	17.050	17.130	17.081	17.069	16.950	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	545.150	544.800	544.050	542.800	542.550	543.500	544.950	545.650	546.500	T 2
SLOTTED											
STATION 4	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.43	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.985	38.945	39.300	39.650	DIA
STATION 2	BETA 2	55.600	55.910	54.770	49.130	45.620	44.970	48.700	50.760	51.740	BETA 2
STATION 2A	BETA 2A	3.360	3.720	4.580	5.090	4.920	6.630	8.180	8.460	8.620	BETA 2A
	V 2	448.86	444.12	437.20	428.25	434.94	431.96	420.24	413.63	395.23	V 2
	V 2A	274.70	269.64	270.46	293.91	322.86	331.85	321.77	289.62	279.89	V 2A
	VZ 2	253.59	248.93	252.20	280.20	304.13	305.49	277.27	261.57	244.67	VZ 2
	VZ 2A	274.23	269.97	269.60	292.76	321.67	329.63	318.50	286.47	276.72	VZ 2A
	V-THETA 2	370.36	367.81	357.12	323.81	310.78	305.17	315.60	320.26	310.25	V-THETA 2
	V-THETA 2A	16.10	17.49	21.60	26.08	27.69	38.31	45.78	42.61	41.95	V-THETA 2A
	M 2	0.3984	0.3942	0.3881	0.3804	0.3866	0.3935	0.3723	0.3660	0.3491	M 2
	M 2A	0.2414	0.2370	0.2379	0.2591	0.2851	0.2929	0.2834	0.2546	0.2457	M 2A
	TURN(PR)	52.740	52.190	50.189	44.034	40.695	38.319	40.498	42.278	43.098	TURN(PR)
	UUBAR	0.1311	0.1571	0.1284	0.0524	0.0398	0.0646	0.1112	0.1971	0.1737	UUBAR
	LOSS PARA	0.0539	0.0652	0.0539	0.0227	0.0179	0.0302	0.0532	0.0951	0.0845	LOSS PARA
	DFAC	0.7135	0.7216	0.7030	0.6165	0.5533	0.5239	0.5469	0.6297	0.6286	DFAC
	EFFP	0.7332	0.7225	0.7373	0.7976	0.8068	0.7327	0.7035	0.5398	0.5775	EFFP
	INCID	1.790	4.040	4.539	1.944	-0.695	-3.800	-3.722	-3.182	-4.081	INCID
	DEVM	19.840	19.310	19.200	17.610	16.590	19.150	22.300	23.410	24.570	DEVM
	P 2	16.900	16.900	16.825	16.810	16.960	17.040	17.050	16.980	16.875	P 2
	P 2A	16.621	16.638	16.621	16.731	16.397	16.939	16.880	16.700	16.650	P 2A
	T 2	545.150	544.800	544.050	542.800	542.550	543.500	544.950	545.650	546.500	T 2
	T 2A	545.150	544.800	544.050	542.800	542.550	543.500	544.950	545.650	546.500	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 98.65 EQUIVALENT ROTOR SPEED = 4153.30 CORRECTED WEIGHT FLOW = 119.10 PRESSURE RATIO = 1.1174

INLET		PCT SPAN	96.94	91.28	86.93	71.38	50.53	30.15	14.84	9.89	4.59	PCT SPAN
STATION 0 STATION 1	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	474.13	474.13	474.13	474.13	474.13	474.13	474.13	474.13	474.13	474.13	V 0
	V 1	563.64	564.25	565.96	561.80	556.62	546.79	549.91	546.79	536.82	536.82	V 1
	VZ 0	474.13	474.13	474.13	474.13	474.13	474.13	474.13	474.13	474.13	474.13	VZ 0
	VZ 1	563.64	564.25	565.96	561.79	556.55	546.71	549.78	546.65	536.79	536.79	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4326	0.4326	0.4326	0.4326	0.4326	0.4326	0.4326	0.4326	0.4326	0.4326	M 0
	M 1	0.5183	0.5189	0.5205	0.5165	0.5115	0.5020	0.5050	0.5020	0.4924	0.4924	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.189	-0.190	-0.194	-0.185	-0.174	-0.153	-0.160	-0.153	-0.132	-0.132	DFAC
	EFFP	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1 STATION 2	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	40.790	36.500	33.800	29.480	30.750	28.840	28.350	32.720	38.250	38.250	BETA 2
	BETA(PR) 1	46.791	47.171	47.399	48.695	50.345	52.120	52.877	53.321	54.120	54.120	BETA(PR) 1
	BETA(PR) 2	11.654	14.729	17.109	23.834	29.825	31.970	33.517	35.170	49.482	49.482	BETA(PR) 2
	V 1	563.64	564.25	565.96	561.80	556.62	546.79	549.91	546.79	536.82	536.82	V 1
	V 2	744.03	755.71	758.75	726.70	662.41	673.38	674.90	635.98	473.13	473.13	V 2
	VZ 1	563.64	564.25	565.96	561.79	556.55	546.71	549.78	546.65	536.79	536.79	VZ 1
	VZ 2	563.31	607.49	630.50	632.52	569.06	589.53	593.60	534.77	371.38	371.38	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	486.07	449.51	422.08	357.57	338.56	324.64	320.29	343.58	292.77	292.77	V-THETA 2
	V(PR) 1	823.2	830.0	836.1	851.1	872.1	890.4	911.0	915.2	915.9	915.9	V(PR) 1
	V(PR) 2	575.2	628.1	659.7	691.6	656.2	695.3	712.4	654.5	571.8	571.8	V(PR) 2
	VTHETA PRI	-600.0	-608.7	-615.4	-639.4	-671.4	-702.8	-726.3	-733.9	-742.1	-742.1	VTHETA PRI
	VTHETA PR2	-116.2	-159.7	-194.1	-279.4	-326.2	-368.0	-393.1	-376.8	-434.6	-434.6	VTHETA PR2
	U 1	600.02	608.72	615.43	639.35	671.43	702.78	726.34	733.95	742.10	742.10	U 1
	U 2	602.25	609.21	616.15	636.99	664.79	692.59	713.43	720.39	727.33	727.33	U 2
	M 1	0.5183	0.5189	0.5205	0.5165	0.5115	0.5020	0.5050	0.5020	0.4924	0.4924	M 1
	M 2	0.6681	0.6809	0.6847	0.6541	0.5940	0.6038	0.6069	0.5688	0.4161	0.4161	M 2
	M(PR) 1	0.7570	0.7632	0.7690	0.7824	0.8014	0.8175	0.8366	0.8402	0.8401	0.8401	M(PR) 1
	M(PR) 2	0.5165	0.5659	0.5954	0.6225	0.5884	0.6234	0.6406	0.5854	0.5029	0.5029	M(PR) 2
	TURN(PR)	35.137	32.442	30.289	24.864	20.528	20.164	19.374	18.165	4.658	4.658	TURN(PR)
	UUBAR	0.3104	0.2154	0.1495	0.0972	0.1996	0.1731	0.1946	0.3063	0.4507	0.4507	UUBAR
	LOSS PARA	0.1197	0.0830	0.0575	0.0370	0.0752	0.0665	0.0757	0.1179	0.1392	0.1392	LOSS PARA
	DFAC	0.5342	0.4590	0.4144	0.3620	0.4155	0.3830	0.3806	0.4600	0.5261	0.5261	DFAC
	EFFP	0.7533	0.8307	0.8851	0.8450	0.7464	0.7508	0.7806	0.6343	0.1899	0.1899	EFFP
	EFF	0.7458	0.8252	0.8813	0.8402	0.7401	0.7444	0.7752	0.6267	0.1845	0.1845	EFF
	INCID	-9.639	-9.049	-8.882	-9.006	-10.949	-13.734	-17.309	-18.576	-19.731	-19.731	INCID
	DEVM	20.154	18.229	17.309	14.080	13.413	12.852	14.217	16.099	30.810	30.810	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.170	18.385	18.520	18.230	17.460	17.590	17.460	17.000	15.400	15.400	P 2
	T 1	514.700	518.700	514.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	562.200	560.260	558.930	557.620	554.100	555.450	552.500	553.900	556.650	556.650	T 2
SLOTTED STATOR 4		PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2 STATION 2A	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	39.650	DIA
	BETA 2	40.790	36.500	33.800	29.480	30.750	28.840	28.350	32.720	38.250	38.250	BETA 2
	BETA 2A	7.780	7.500	6.830	3.660	4.220	5.180	8.000	9.450	10.700	10.700	BETA 2A
	V 2	744.03	755.71	758.75	726.70	662.41	673.38	674.90	635.98	473.13	473.13	V 2
	V 2A	639.61	643.33	662.77	682.33	675.95	655.32	630.83	606.04	581.28	581.28	V 2A
	VZ 2	563.31	607.49	630.50	632.52	569.06	589.53	593.60	534.77	371.38	371.38	VZ 2
	VZ 2A	633.72	637.82	658.07	680.94	674.12	652.64	624.69	597.82	571.17	571.17	VZ 2A
	V-THETA 2	486.07	449.51	422.08	357.57	338.56	324.64	320.29	343.58	292.77	292.77	V-THETA 2
	V-THETA 2A	86.58	83.97	78.82	43.56	49.74	59.17	87.79	99.50	107.92	107.92	V-THETA 2A
	M 2	0.6681	0.6809	0.6847	0.6541	0.5940	0.6038	0.6069	0.5688	0.4161	0.4161	M 2
	M 2A	0.5678	0.5723	0.5916	0.6111	0.6070	0.5864	0.5647	0.5405	0.5163	0.5163	M 2A
	TURN(PR)	33.010	29.000	26.969	25.815	26.517	23.643	20.331	23.250	27.528	27.528	TURN(PR)
	UUBAR	0.2536	0.2583	0.2909	0.2210	0.1203	0.1660	0.1772	0.2222	0.2412	0.2412	UUBAR
	LOSS PARA	0.1035	0.1065	0.1216	0.0958	0.0543	0.0777	0.0848	0.1068	0.1166	0.1166	LOSS PARA
	DFAC	0.3618	0.3304	0.3173	0.2493	0.1777	0.2134	0.2334	0.2362	-0.0338	-0.0338	DFAC
	EFFP	-0.1008	-0.1005	-0.1799	-0.6743	3.0784	-2.5257	-0.7777	-1.2152	0.3306	0.3306	EFFP
	INCID	-15.020	-15.370	-16.431	-17.705	-15.563	-19.927	-24.068	-21.220	-17.571	-17.571	INCID
	DEVM	24.260	23.090	21.450	16.180	15.890	17.700	22.120	24.400	26.650	26.650	DEVM
	P 2i	17.700	17.800	18.300	18.150	17.550	17.376	17.100	16.975	16.775	16.775	P 2i
	P 2A	16.627	16.684	16.913	17.156	17.093	16.774	16.482	16.236	16.026	16.026	P 2A
	T 2	562.200	560.260	558.930	557.620	554.100	555.450	552.500	553.900	556.650	556.650	T 2
	T 2A	562.200	560.260	558.930	557.620	554.100	555.450	552.500	553.900	555.650	555.650	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.90

EQUIVALENT ROTOR SPEED = 4206.00

CORRECTED WEIGHT FLOW = 115.28

PRESSURE RATIO = 1.2033

INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	455.59	455.59	455.59	455.59	455.59	455.59	455.59	455.59	455.59	V 0
	V 1	528.90	533.26	534.28	532.36	526.58	521.41	524.00	521.15	506.56	V 1
	VZ 0	455.59	455.59	455.59	455.59	455.59	455.59	455.59	455.59	455.59	VZ 0
	VZ 1	528.90	533.26	534.28	532.35	526.51	521.33	523.88	521.01	506.54	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	0.4151	M 0
	M 1	0.4848	0.4889	0.4899	0.4881	0.4825	0.4776	0.4801	0.4773	0.4634	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.161	-0.170	-0.173	-0.169	-0.156	-0.144	-0.150	-0.144	-0.112	DFAC
	EFFP	0.9999	1.0000	0.9999	1.0000	0.9999	0.9999	1.0000	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
ROTOR 4	PCT SPAN	95.01	90.00	85.01	70.01	50.00	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.685	38.218	39.368	39.752	40.135	DIA
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	BETA 2	45.600	43.000	39.600	35.900	34.550	35.600	37.050	40.550	43.850	BETA 2
	BETA(PR) 1	48.963	49.139	49.395	50.572	52.248	53.777	54.541	54.970	56.019	BETA(PR) 1
	BETA(PR) 2	13.061	14.838	18.865	22.129	27.692	30.133	33.858	36.941	46.599	BETA(PR) 2
	V 1	528.90	533.26	534.28	532.36	526.58	521.41	524.00	521.15	506.56	V 1
	V 2	695.60	704.48	692.77	704.50	673.99	665.71	635.21	597.53	506.31	V 2
	VZ 1	528.90	533.26	534.28	532.35	526.51	521.33	523.88	521.01	506.54	VZ 1
	VZ 2	486.69	515.22	533.78	570.60	554.84	541.03	506.72	453.82	364.98	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	496.99	480.45	441.58	413.04	382.05	387.34	382.53	388.29	350.62	V-THETA 2
	V(PR) 1	805.6	815.1	820.9	838.2	860.0	882.3	903.1	907.8	906.3	V(PR) 1
	V(PR) 2	499.6	533.0	564.1	616.1	626.9	625.9	610.5	568.1	531.4	V(PR) 2
	VTHETA PR1	-607.6	-616.4	-623.2	-647.5	-679.9	-711.7	-735.6	-743.3	-751.5	VTHETA PR1
	VTHETA PR2	-112.9	-136.5	-182.4	-232.0	-291.2	-314.0	-340.0	-341.2	-385.9	VTHETA PR2
	U 1	607.64	616.45	623.24	647.46	679.95	711.70	735.55	743.26	751.52	U 1
	U 2	609.90	616.94	623.97	645.08	673.25	701.38	722.49	729.53	736.56	U 2
	M 1	0.4848	0.4889	0.4899	0.4881	0.4825	0.4776	0.4801	0.4773	0.4634	M 1
	M 2	0.6178	0.6282	0.6167	0.6296	0.6009	0.5922	0.5628	0.5274	0.4432	M 2
	M(PR) 1	0.7384	0.7474	0.7528	0.7685	0.7881	0.8081	0.8274	0.8314	0.8291	M(PR) 1
	M(PR) 2	0.4438	0.4753	0.5021	0.5506	0.5590	0.5568	0.5409	0.5014	0.4652	M(PR) 2
	TURN(PR)	35.902	34.301	30.530	28.447	24.564	23.657	20.697	18.044	9.441	TURN(PR)
	UUBAR	0.2741	0.2293	0.1854	0.0873	0.0933	0.1313	0.1999	0.2762	0.3392	UUBAR
	LOSS PARA	0.1051	0.0883	0.0710	0.0337	0.0359	0.0514	0.0774	0.1039	0.1108	LOSS PARA
	DFAC	0.6231	0.5809	0.5296	0.4698	0.4632	0.4879	0.5198	0.5737	0.5958	DFAC
	EFFP	0.7531	0.8231	0.7874	0.9142	0.8909	0.8600	0.7610	0.6749	0.4927	EFFP
	EFF	0.7447	0.8168	0.7802	0.9110	0.8871	0.8551	0.7534	0.6657	0.4822	EFF
	INCID	-7.467	-7.081	-6.885	-7.128	-9.046	-12.077	-15.646	-16.927	-17.832	INCID
	DEVM	21.561	18.338	19.065	12.375	11.280	11.015	14.557	17.870	27.927	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	18.650	18.775	18.612	19.030	18.785	18.780	18.340	17.900	17.000	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	567.800	564.760	565.150	562.360	561.210	562.750	563.710	563.900	564.450	T 2
SLOTTED											
STATOR 4	PCT SPAN	94.96	90.34	84.87	69.58	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2	BETA 2	45.600	43.000	39.600	35.900	34.550	35.600	37.050	40.550	43.850	BETA 2
STATION 2A	BETA 2A	3.540	4.040	4.670	4.250	4.230	5.740	6.350	6.700	7.550	BETA 2A
	V 2	695.60	704.48	692.77	704.50	673.89	665.71	635.21	597.53	506.31	V 2
	V 2A	530.20	536.58	541.99	581.84	606.96	581.46	562.23	538.33	518.96	V 2A
	VZ 2	486.69	515.22	533.78	570.60	554.84	541.03	506.72	453.82	364.98	VZ 2
	VZ 2A	529.19	535.25	540.19	580.24	605.31	578.55	558.78	534.65	514.46	VZ 2A
	V-THETA 2	496.99	480.45	441.58	413.04	382.05	387.34	382.53	388.29	350.62	V-THETA 2
	V-THETA 2A	32.74	37.80	44.13	43.12	44.77	58.15	62.18	62.81	68.19	V-THETA 2A
	M 2	0.6178	0.6282	0.6167	0.6296	0.6009	0.5922	0.5628	0.5274	0.4432	M 2
	M 2A	0.4636	0.4707	0.4755	0.5136	0.5376	0.5130	0.4948	0.4727	0.4547	M 2A
	TURN(PR)	42.060	38.960	34.929	31.644	30.306	29.841	30.679	33.828	36.278	TURN(PR)
	UUBAR	0.2164	0.2093	0.1856	0.1591	0.0753	0.1399	0.1498	0.1772	0.2160	UUBAR
	LOSS PARA	0.0890	0.0868	0.0778	0.0689	0.0339	0.0654	0.0719	0.0858	0.1053	LOSS PARA
	DFAC	0.5130	0.5003	0.4596	0.4028	0.3267	0.3605	0.3605	0.3669	0.2520	DFAC
	EFFP	0.5026	0.4926	0.5280	0.4420	0.5631	0.3324	0.4182	0.5351	-2.6534	EFFP
	INCID	-8.210	-8.870	-10.631	-11.286	-11.764	-13.169	-15.371	-13.392	-11.972	INCID
	DEVM	20.020	19.630	19.290	16.770	15.900	18.260	20.470	21.650	23.500	DEVM
	P 21	18.550	18.600	18.500	18.800	18.700	18.600	18.375	18.200	18.150	P 21
	P 2A	17.655	17.719	17.739	18.127	18.400	18.070	17.838	17.599	17.438	P 2A
	T 2	567.800	564.760	565.150	562.360	561.210	562.750	563.710	563.900	564.450	T 2
	T 2A	567.800	564.760	565.150	562.360	561.210	562.750	563.710	563.900	564.450	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.70

EQUIVALENT ROTOR SPEED = 4197.33

CORRECTED WEIGHT FLOW = 109.32

PRESSURE RATIO = 1.2490

INLET											
	PCT SPAN	96.99	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	V 0
	V 1	489.46	494.90	496.25	500.29	494.90	488.09	490.83	481.22	470.74	V 1
	VZ 0	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	427.51	VZ 0
	VZ 1	489.46	494.90	496.25	500.28	494.83	488.02	490.71	481.10	470.72	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3887	0.3887	0.3887	0.3887	0.3887	0.3887	0.3887	0.3887	0.3887	M 0
	M 1	0.4471	0.4523	0.4536	0.4574	0.4523	0.4458	0.4484	0.4393	0.4294	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.145	-0.158	-0.161	-0.170	-0.158	-0.142	-0.148	-0.126	-0.101	DFAC
	EFFP	0.9999	1.0000	1.0000	1.0000	1.0000	0.9999	1.0000	1.0000	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.219	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	49.650	48.600	46.350	39.300	38.050	39.500	42.800	46.100	52.400	BETA 2
	BETA(PRI) 1	51.093	51.184	51.414	52.250	53.899	55.506	56.237	57.032	57.886	BETA(PRI) 1
	BETA(PRI) 2	13.349	15.887	19.713	22.803	26.350	29.513	33.991	36.138	43.709	BETA(PRI) 2
	V 1	489.46	494.90	496.25	500.29	494.90	488.09	490.83	481.22	470.74	V 1
	V 2	664.64	656.14	654.99	673.43	667.79	652.67	614.30	593.61	558.17	V 2
	VZ 1	489.46	494.90	496.25	500.28	494.83	488.02	490.71	481.10	470.72	VZ 1
	VZ 2	430.33	433.91	452.10	523.29	525.70	503.40	450.54	411.46	340.47	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	506.53	492.17	473.93	423.75	411.46	414.97	417.21	427.57	442.10	V-THETA 2
	V(PRI) 1	773.3	769.5	795.7	817.2	839.3	861.8	883.0	884.2	885.5	V(PRI) 1
	V(PRI) 2	442.3	451.1	476.0	567.8	586.9	578.8	543.7	509.7	449.3	V(PRI) 2
	VTHETA PRI 1	-606.4	-615.2	-622.0	-646.1	-678.5	-710.2	-734.0	-741.7	-750.0	VTHETA PRI 1
	VTHETA PRI 2	-102.1	-123.5	-148.8	-220.0	-260.4	-285.0	-303.8	-300.5	-292.9	VTHETA PRI 2
	U 1	606.39	615.18	621.95	546.13	678.54	710.23	734.04	741.73	749.97	U 1
	U 2	608.64	615.67	622.69	643.75	671.94	699.94	721.00	729.93	735.04	U 2
	M 1	0.4471	0.4523	0.4536	0.4574	0.4523	0.4458	0.4484	0.4393	0.4294	M 1
	M 2	0.5892	0.5825	0.5811	0.6001	0.5937	0.5783	0.5419	0.5222	0.4894	M 2
	M(PRI) 1	0.7119	0.7215	0.7272	0.7471	0.7675	0.7737	0.8067	0.8071	0.8076	M(PRI) 1
	M(PRI) 2	0.3921	0.4005	0.4223	0.5059	0.5218	0.5129	0.4796	0.4484	0.3939	M(PRI) 2
	TURN(PRI)	37.741	35.297	33.201	29.451	27.557	26.006	22.260	20.908	17.197	TURN(PRI)
	UUBAR	0.2443	0.2442	0.2176	0.0682	0.0573	0.1025	0.1851	0.2480	0.3357	UUBAR
	LOSS PARA	0.0935	0.0935	0.0932	0.0262	0.0223	0.0404	0.0716	0.0943	0.1210	LOSS PARA
	DFAC	0.6938	0.6769	0.6419	0.5207	0.5130	0.5448	0.6027	0.6491	0.7275	DFAC
	EFFP	0.8419	0.8599	0.8464	0.9749	0.9597	0.9155	0.8329	0.7748	0.7057	EFFP
	EFF	0.8356	0.8548	0.8409	0.9739	0.9581	0.9121	0.8267	0.7669	0.6963	EFF
	INCID	-5.340	-5.036	-4.865	-5.450	-7.395	-10.349	-13.949	-14.865	-15.966	INCID
	DEVM	21.849	19.387	18.413	13.048	9.938	10.396	14.490	17.067	22.037	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.030	19.000	18.880	19.300	19.420	19.390	19.970	18.720	19.340	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	566.300	563.950	564.500	561.850	564.600	565.500	566.200	567.150	567.400	T 2
SLOTTED STATOR 4											
	PCT SPAN	94.95	93.34	84.87	69.68	47.59	29.48	14.64	9.56	4.76	PCT SPAN
STATION 2A	DIA	33.210	33.540	33.930	35.015	36.450	37.385	38.945	39.300	39.650	DIA
	BETA 2A	49.650	48.600	46.350	39.000	38.050	39.500	42.800	46.100	52.400	BETA 2A
	V 2	2.750	3.150	3.650	4.350	3.900	5.950	7.550	7.950	8.000	V 2
	V 2A	664.64	656.14	654.99	673.43	667.79	652.67	614.30	593.61	558.17	V 2A
	VZ 2A	453.24	474.53	454.70	506.01	570.97	550.98	518.01	495.95	476.48	VZ 2A
	V-THETA 2	506.53	492.17	473.93	423.75	411.46	414.97	417.21	427.57	442.10	V-THETA 2
	V-THETA 2A	21.77	26.11	29.01	38.49	33.92	57.42	68.66	68.38	66.97	V-THETA 2A
	M 2	0.5892	0.5825	0.5811	0.6001	0.5937	0.5783	0.5419	0.5222	0.4894	M 2
	M 2A	0.3950	0.4152	0.3973	0.4453	0.5041	0.4963	0.4573	0.4370	0.4193	M 2A
	TURN(PRI)	46.900	45.450	42.699	34.644	34.136	33.530	35.228	39.228	44.379	TURN(PRI)
	UUBAR	0.1715	0.1812	0.1763	0.1307	0.0402	0.0957	0.1527	0.1682	0.2168	UUBAR
	LOSS PARA	0.0706	0.0753	0.0741	0.0566	0.0181	0.0447	0.0732	0.0812	0.1056	LOSS PARA
	DFAC	0.6180	0.5718	0.5908	0.4256	0.3964	0.4103	0.4257	0.4541	0.4714	DFAC
	EFFP	0.5951	0.6890	0.6255	0.6024	0.7755	0.6019	0.5675	0.5790	0.7167	EFFP
	INCID	-4.160	-3.270	-3.881	-8.186	-3.264	-9.270	-9.622	-7.342	-3.421	INCID
	DEVM	19.230	18.740	18.270	16.870	15.570	18.470	21.670	22.800	23.950	DEVM
	P 2A	18.700	18.975	18.700	19.000	19.300	19.250	19.050	18.850	18.825	P 2A
	P 2A	18.073	18.258	18.051	18.494	19.139	18.885	18.513	18.294	18.119	P 2A
	T 2	566.300	563.950	564.500	561.850	563.600	565.500	566.200	567.150	567.400	T 2
	T 2A	566.300	563.950	564.500	561.850	563.600	565.500	566.200	567.150	567.400	T 2A

(OVERALL PERFORMANCE)

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.56

EQUIVALENT ROTOR SPEED = 4191.64

CORRECTED WEIGHT FLOW = 104.80

PRESSURE RATIO = 1.2662

INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	406.85	406.85	406.85	406.85	406.85	406.85	406.85	406.85	406.85	V 0
	V 1	459.93	460.80	465.79	470.04	465.51	455.75	461.51	453.58	443.61	V 1
	VZ 0	406.85	406.85	406.85	406.85	406.85	406.85	406.85	406.85	406.85	VZ 0
	VZ 1	459.93	460.80	465.79	470.03	465.44	455.68	461.40	453.46	443.59	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3694	0.3694	0.3694	0.3694	0.3694	0.3694	0.3694	0.3694	0.3694	M 0
	M 1	0.4192	0.4200	0.4247	0.4287	0.4244	0.4152	0.4206	0.4132	0.4038	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.130	-0.133	-0.145	-0.155	-0.144	-0.120	-0.134	-0.115	-0.090	DFAC
	EFFP	1.0000	0.9999	0.9999	1.0000	1.0000	0.9999	0.9999	0.9998	0.9998	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	51.650	51.250	49.300	41.950	40.000	41.500	44.500	46.500	49.500	BETA 2
	BETA(PR) 1	52.783	53.128	53.132	53.929	55.516	57.280	57.812	58.526	59.363	BETA(PR) 1
	BETA(PR) 2	13.853	15.607	18.232	22.995	26.303	30.170	34.346	35.331	39.603	BETA(PR) 2
	V 1	459.93	460.80	465.79	470.04	465.51	455.75	461.51	453.58	443.61	V 1
	V 2	648.51	643.99	639.15	653.34	657.05	636.85	606.16	599.44	565.83	V 2
	VZ 1	459.93	460.80	465.79	470.03	465.44	455.68	461.40	453.46	443.59	VZ 1
	VZ 2	402.38	403.09	416.78	485.85	503.18	476.78	432.18	412.48	367.36	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	508.59	502.24	484.56	436.70	422.21	421.82	424.70	434.66	430.12	V-THETA 2
	V(PR) 1	760.4	768.0	776.4	798.3	822.1	843.1	866.2	868.6	870.5	V(PR) 1
	V(PR) 2	414.4	418.5	438.8	527.9	561.5	551.8	523.7	505.9	477.0	V(PR) 2
	VTHETA PR1	-605.6	-614.3	-621.1	-645.3	-677.6	-709.3	-733.0	-740.7	-749.0	VTHETA PR1
	VTHETA PR2	-99.2	-112.6	-137.3	-206.2	-248.7	-277.2	-295.3	-292.4	-303.9	VTHETA PR2
	U 1	605.56	614.34	621.11	645.25	677.62	709.27	733.04	740.72	748.95	U 1
	U 2	607.81	614.84	621.84	642.87	670.93	698.99	720.02	727.04	734.05	U 2
	M 1	0.4192	0.4200	0.4247	0.4287	0.4244	0.4152	0.4206	0.4132	0.4038	M 1
	M 2	0.5722	0.5685	0.5650	0.5794	0.5828	0.5624	0.5323	0.5257	0.4943	M 2
	M(PR) 1	0.6930	0.6999	0.7079	0.7281	0.7496	0.7681	0.7895	0.7912	0.7923	M(PR) 1
	M(PR) 2	0.3656	0.3695	0.3879	0.4681	0.4981	0.4872	0.4599	0.4436	0.4167	M(PR) 2
	TURN(PR)	38.930	37.521	34.901	30.938	29.221	27.124	23.481	23.209	19.781	TURN(PR)
	UUBAR	0.2403	0.2472	0.2267	0.0981	0.0550	0.0997	0.1700	0.2039	0.2518	UUBAR
	LOSS PARA	0.0918	0.0948	0.0867	0.0376	0.0214	0.0390	0.0655	0.0783	0.0922	LOSS PARA
	DFAC	0.7188	0.7156	0.6863	0.5661	0.5391	0.5704	0.6220	0.6511	0.6446	DFAC
	EFFP	0.8016	0.8076	0.8302	0.9150	0.9631	0.9008	0.8089	0.7899	0.7221	EFFP
	EFF	0.7941	0.8004	0.8239	0.9117	0.9616	0.8967	0.8015	0.7818	0.7122	EFF
	INCID	-3.647	-3.092	-3.148	-3.772	-5.778	-8.574	-12.374	-13.371	-14.488	INCID
	DEVM	22.353	19.107	18.431	13.240	9.891	11.053	15.045	16.260	20.931	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.115	19.050	19.000	19.295	19.585	19.510	19.210	19.170	18.820	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	569.680	568.600	566.670	564.750	564.850	567.500	570.200	571.070	572.060	T 2
SLOTTED											
STATOR 4	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.895	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	51.650	51.250	49.300	41.950	40.000	41.500	44.500	46.500	49.500	BETA 2
	BETA 2A	2.220	2.550	3.160	5.050	4.100	6.130	7.650	7.200	7.240	BETA 2A
	V 2	648.51	643.99	639.15	653.34	657.05	636.85	606.16	599.44	565.83	V 2
	V 2A	420.29	444.52	423.04	466.51	539.75	537.39	498.85	474.93	450.32	V 2A
	VZ 2	402.38	403.09	416.78	485.85	503.18	476.78	432.18	412.48	367.36	VZ 2
	VZ 2A	419.98	444.08	422.39	464.70	534.37	534.32	494.41	471.18	446.73	VZ 2A
	V-THETA 2	508.59	502.24	484.56	436.70	422.21	421.82	424.70	434.66	430.12	V-THETA 2
	V-THETA 2A	16.28	19.78	23.32	41.06	38.59	57.39	66.41	59.52	56.75	V-THETA 2A
	M 2	0.5722	0.5685	0.5650	0.5794	0.5828	0.5624	0.5323	0.5257	0.4943	M 2
	M 2A	0.3640	0.3859	0.3674	0.4071	0.4736	0.4703	0.4341	0.4123	0.3899	M 2A
	TURN(PR)	49.430	48.700	46.139	36.894	35.895	35.350	36.828	39.278	42.238	TURN(PR)
	UUBAR	0.1505	0.1748	0.1757	0.1217	0.0362	0.0758	0.1700	0.1840	0.2369	UUBAR
	LOSS PARA	0.0620	0.0726	0.0738	0.0526	0.0163	0.0354	0.0813	0.0890	0.1156	LOSS PARA
	DFAC	0.6649	0.6220	0.6424	0.5497	0.4437	0.4268	0.4649	0.5153	0.5314	DFAC
	EFFP	0.6731	0.7569	0.6904	0.6772	0.8144	0.7588	0.6205	0.5373	0.5913	EFFP
	INCID	-2.160	-0.620	-0.931	-5.236	-6.314	-7.922	-7.442	-7.442	-6.322	INCID
	DEVM	18.700	18.140	17.780	17.570	15.770	18.650	21.770	22.150	23.190	DEVM
	P 2	18.850	19.200	18.925	19.050	19.650	19.500	19.350	19.150	19.100	P 2
	P 2A	18.317	18.518	18.288	13.602	19.309	19.215	18.753	18.548	18.348	P 2A
	T 2	569.680	568.600	566.670	564.750	564.850	567.500	570.200	571.070	572.060	T 2
	T 2A	569.680	568.600	566.670	564.750	564.850	567.500	570.200	571.070	572.060	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.32

EQUIVALENT ROTOR SPEED = 4181.20

CORRECTED WEIGHT FLOW = 98.46

PRESSURE RATIO = 1.2781

INLET

	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	378.69	378.69	378.69	378.69	378.69	378.69	378.69	378.69	378.69	V 0
	V 1	430.12	433.60	434.96	435.86	438.11	428.45	425.54	416.73	412.65	V 1
	VZ 0	378.69	378.69	378.69	378.69	378.69	378.69	378.69	378.69	378.69	VZ 0
	VZ 1	430.12	433.60	434.96	435.85	438.04	428.38	425.44	416.63	412.63	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3432	0.3432	0.3432	0.3432	0.3432	0.3432	0.3432	0.3432	0.3432	M 0
	M 1	0.3911	0.3944	0.3957	0.3965	0.3986	0.3896	0.3868	0.3786	0.3748	M 1
	TURN	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.136	-0.145	-0.149	-0.151	-0.157	-0.131	-0.124	-0.100	-0.090	DFAC
	EFFP	1.0001	0.9999	0.9999	0.9999	0.9999	1.0001	1.0000	1.0000	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1

ROTOR 4

	PCT SPAN	95.01	90.00	85.01	70.01	50.00	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.685	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	55.150	54.880	53.600	45.250	42.320	43.400	47.140	48.200	52.600	BETA 2
	BETA(PR) 1	54.547	54.718	54.930	55.896	57.055	58.806	59.808	60.583	61.087	BETA(PR) 1
	BETA(PR) 2	11.111	15.708	16.786	23.155	26.167	30.922	34.135	35.529	39.415	BETA(PR) 2
	V 1	430.12	433.60	434.96	435.86	438.11	428.45	425.54	416.73	412.65	V 1
	V 2	649.92	625.99	630.45	634.20	645.85	621.49	601.66	593.97	566.20	V 2
	VZ 1	430.12	433.60	434.96	435.85	438.04	428.38	425.44	416.63	412.63	VZ 1
	VZ 2	371.39	360.13	374.12	446.44	477.40	451.39	409.11	395.76	343.80	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	533.36	512.03	507.44	450.35	434.71	426.86	440.87	442.64	449.67	V-THETA 2
	V(PR) 1	741.5	750.7	757.0	777.3	805.5	827.1	846.0	848.3	853.5	V(PR) 1
	V(PR) 2	378.5	374.1	390.8	485.6	532.1	526.5	494.5	486.5	445.2	V(PR) 2
	VTHETA PR1	-604.1	-612.8	-619.6	-643.6	-675.9	-707.5	-731.2	-738.9	-747.1	VTHETA PR1
	VTHETA PR2	-72.9	-101.3	-112.9	-190.9	-234.6	-270.4	-277.4	-282.6	-282.5	VTHETA PR2
	U 1	604.06	612.81	619.56	643.65	675.94	707.50	731.22	738.88	747.09	U 1
	U 2	606.30	613.31	620.24	641.27	669.28	697.25	718.23	725.23	732.22	U 2
	M 1	0.3911	0.3944	0.3957	0.3965	0.3986	0.3896	0.3868	0.3786	0.3748	M 1
	M 2	0.5736	0.5523	0.5559	0.5615	0.5713	0.5477	0.5273	0.5199	0.4936	M 2
	M(PR) 1	0.6743	0.6828	0.6886	0.7072	0.7329	0.7520	0.7691	0.7707	0.7752	M(PR) 1
	M(PR) 2	0.3341	0.3301	0.3452	0.4300	0.4707	0.4639	0.4334	0.4259	0.3881	M(PR) 2
	TURN(PR)	43.436	39.011	38.144	32.745	30.895	27.898	25.687	25.069	21.693	TURN(PR)
	UUBAR	0.2473	0.2705	0.2539	0.1135	0.0560	0.0850	0.1620	0.1868	0.2547	UUBAR
	LOSS PARA	0.0955	0.1037	0.0979	0.0435	0.0219	0.0330	0.0625	0.0716	0.0935	LOSS PARA
	DFAC	0.7733	0.7734	0.7539	0.6160	0.5727	0.5955	0.6563	0.6699	0.7263	DFAC
	EFFP	0.8559	0.8366	0.8649	0.9409	0.9552	0.9172	0.8303	0.8103	0.7388	EFFP
	EFF	0.8501	0.8304	0.8597	0.9385	0.9532	0.9137	0.8234	0.8027	0.7289	EFF
	INCID	-1.883	-1.502	-1.350	-1.805	-4.239	-7.048	-10.378	-11.313	-12.764	INCID
	DEVH	19.611	19.208	16.986	13.400	9.756	11.804	14.835	16.458	20.743	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.430	19.090	19.180	19.400	19.745	19.640	19.525	19.440	19.120	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	569.400	567.200	566.420	564.360	566.630	568.120	572.000	572.500	574.300	T 2

SLOTTED

	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	55.150	54.880	53.600	45.250	42.320	43.400	47.140	48.200	52.600	BETA 2
	BETA 2A	2.319	2.790	3.594	5.440	4.875	6.480	7.500	7.360	6.400	BETA 2A
	V 2	649.92	625.99	630.45	634.20	645.85	621.49	601.66	593.97	566.20	V 2
	V 2A	393.83	400.15	392.20	434.81	497.56	504.01	464.61	444.15	416.57	V 2A
	VZ 2	371.39	360.13	374.12	446.44	477.40	451.39	409.11	395.76	343.80	VZ 2
	VZ 2A	393.51	399.68	391.43	432.86	495.76	500.79	460.63	440.49	413.97	VZ 2A
	V-THETA 2	533.36	512.03	507.44	450.35	434.71	426.86	440.87	442.64	449.67	V-THETA 2
	V-THETA 2A	15.94	19.49	24.59	41.22	42.28	56.88	60.64	56.90	46.43	V-THETA 2A
	M 2	0.5736	0.5523	0.5559	0.5615	0.5713	0.5477	0.5273	0.5199	0.4936	M 2
	M 2A	0.3406	0.3469	0.3401	0.3787	0.4344	0.4396	0.4027	0.3842	0.3592	M 2A
	TURN(PR)	52.831	52.090	50.005	39.804	37.430	36.899	39.618	40.818	46.179	TURN(PR)
	UUBAR	0.1586	0.1694	0.1527	0.1150	0.0429	0.0561	0.1599	0.1876	0.2072	UUBAR
	LOSS PARA	0.0653	0.0704	0.0641	0.0497	0.0193	0.0262	0.0765	0.0907	0.1013	LOSS PARA
	DFAC	0.7223	0.6887	0.7008	0.5954	0.5056	0.4706	0.5355	0.5714	0.6174	DFAC
	EFFP	0.6960	0.7835	0.7184	0.7135	0.7750	0.7697	0.5969	0.5636	0.5991	EFFP
	INCID	1.340	3.010	3.369	-1.936	-3.995	-5.370	-5.282	-5.742	-3.221	INCID
	DEVH	18.799	18.380	18.214	17.960	16.545	19.000	21.620	22.310	22.350	DEVH
	P 2i	19.150	19.210	19.000	19.175	19.500	19.560	19.450	19.350	19.150	P 2i
	P 2A	18.578	18.584	18.471	18.771	19.362	19.363	18.923	18.753	18.536	P 2A
	T 2	569.400	567.200	566.420	564.360	566.630	568.120	572.000	572.500	574.300	T 2
	T 2A	569.400	567.200	566.420	564.360	566.630	568.120	572.000	572.500	574.300	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.88 EQUIVALENT ROTOR SPEED = 4205.01 CORRECTED WEIGHT FLOW = 97.25 PRESSURE RATIO = 1.2728											
INLET											
STATION 0 STATION 1	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	373.41	373.41	373.41	373.41	373.41	373.41	373.41	373.41	373.41	V 0
	V 1	429.36	432.85	433.15	433.15	422.77	411.08	406.96	399.09	391.90	V 1
	VZ 0	373.41	373.41	373.41	373.41	373.41	373.41	373.41	373.41	373.41	VZ 0
	VZ 1	429.36	432.85	433.15	433.14	422.71	411.02	406.86	398.99	391.88	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3383	0.3383	0.3383	0.3383	0.3383	0.3383	0.3383	0.3383	0.3383	M 0
	M 1	0.3904	0.3937	0.3940	0.3940	0.3842	0.3733	0.3695	0.3621	0.3555	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.150	-0.159	-0.160	-0.160	-0.132	-0.101	-0.090	-0.069	-0.050	DFAC
	EFFP	0.9999	0.9999	1.0000	1.0000	0.9998	1.0002	0.9998	0.9998	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
SLOTTED											
STATION 1 STATION 2	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	53.200	53.350	50.350	44.050	41.410	42.720	53.200	56.410	57.910	BETA 2
	BETA(PR) 1	54.748	54.919	55.194	56.212	58.125	59.987	61.046	61.767	62.454	BETA(PR) 1
	BETA(PR) 2	11.675	15.528	19.494	22.660	26.879	30.878	37.193	39.062	41.667	BETA(PR) 2
	V 1	429.36	432.85	433.15	433.15	422.77	411.08	406.96	399.09	391.90	V 1
	V 2	659.54	637.09	626.43	648.01	646.38	627.60	575.57	569.05	558.00	V 2
	VZ 1	429.36	432.85	433.15	433.14	422.71	411.02	406.86	398.99	391.88	VZ 1
	VZ 2	395.08	380.29	399.72	465.70	484.65	460.90	344.69	314.75	296.37	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	528.12	511.13	482.32	450.50	427.42	425.61	460.75	473.92	472.64	V-THETA 2
	V(PR) 1	743.9	753.1	758.9	778.9	800.5	821.7	840.5	843.5	847.4	V(PR) 1
	V(PR) 2	403.4	394.7	424.0	504.7	543.6	537.3	432.9	405.6	396.9	V(PR) 2
	VTHETA PR1	-607.5	-616.3	-623.1	-647.3	-679.8	-711.5	-735.4	-743.1	-751.3	VTHETA PR1
	VTHETA PR2	-81.6	-105.7	-141.5	-194.4	-245.6	-275.6	-261.6	-255.4	-263.7	VTHETA PR2
	U 1	607.50	616.30	623.09	647.31	679.79	711.53	735.38	743.09	751.34	U 1
	U 2	609.75	616.80	623.83	644.93	673.07	701.22	722.32	729.36	736.39	U 2
	M 1	0.3904	0.3937	0.3940	0.3940	0.3842	0.3733	0.3695	0.3621	0.3555	M 1
	M 2	0.5811	0.5407	0.5520	0.5736	0.5724	0.5531	0.5034	0.4965	0.4857	M 2
	M(PR) 1	0.6764	0.6850	0.6902	0.7084	0.7276	0.7463	0.7631	0.7654	0.7686	M(PR) 1
	M(PR) 2	0.3554	0.3474	0.3737	0.4458	0.4813	0.4735	0.3787	0.3538	0.3455	M(PR) 2
	TURN(PR)	43.074	39.390	35.701	33.556	31.255	29.123	23.868	22.721	20.809	TURN(PR)
	UUBAR	0.2080	0.2353	0.1997	0.0958	0.0567	0.1147	0.3030	0.3439	0.3488	UUBAR
	LOSS PARA	0.0802	0.0903	0.0758	0.0368	0.0220	0.0446	0.1126	0.1257	0.1239	LOSS PARA
	DFAC	0.7377	0.7463	0.6974	0.5924	0.5519	0.5789	0.7383	0.7813	0.7941	DFAC
	EFFP	0.8348	0.8064	0.8288	0.9306	0.9653	0.8809	0.7436	0.7091	0.6886	EFFP
	EFF	0.8279	0.7989	0.8222	0.9277	0.9639	0.8760	0.7343	0.6987	0.6774	EFF
	INCID	-1.682	-1.301	-1.086	-1.488	-3.168	-5.867	-9.140	-10.129	-11.397	INCID
	DEVM	20.175	19.028	19.694	12.906	10.467	11.760	17.892	19.991	22.995	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.595	19.285	19.185	19.530	19.680	19.515	18.915	18.870	18.860	P 2
	T 1	518.700	518.700	518.700	518.700	519.700	518.700	514.700	518.700	518.700	T 1
	T 2	572.400	571.150	568.650	566.050	565.550	568.700	571.550	573.700	575.300	T 2
SLOTTED											
STATION 2 STATION 2A	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.700	39.650	DIA
	BETA 2	53.200	53.350	50.350	44.050	41.410	42.720	53.200	56.410	57.910	BETA 2
	BETA 2A	-0.960	0.920	3.320	5.450	4.140	5.500	6.920	6.930	6.650	BETA 2A
	V 2	659.54	637.09	626.43	648.01	646.38	627.60	575.57	569.05	558.00	V 2
	V 2A	462.33	471.38	435.97	514.18	551.03	538.02	480.74	422.67	435.84	V 2A
	VZ 2	395.08	380.29	399.72	465.70	484.65	460.90	344.69	314.75	296.37	VZ 2
	VZ 2A	462.27	471.32	435.24	511.84	549.60	535.54	477.24	419.54	432.91	VZ 2A
	V-THETA 2	528.12	511.13	482.32	450.50	427.42	425.61	460.75	473.92	472.64	V-THETA 2
	V-THETA 2A	-7.75	7.57	25.25	48.92	39.78	51.57	57.92	51.36	50.47	V-THETA 2A
	M 2	0.5811	0.5607	0.5520	0.5736	0.5724	0.5531	0.5034	0.4965	0.4857	M 2
	M 2A	0.4005	0.4091	0.3783	0.4497	0.4836	0.4703	0.4173	0.3648	0.3759	M 2A
	TURN(PR)	54.160	52.430	47.029	38.584	37.255	37.199	46.259	49.410	51.240	TURN(PR)
	UUBAR	0.2185	0.2603	0.2738	0.1004	0.0883	0.0950	0.1702	0.2311	0.2472	UUBAR
	LOSS PARA	0.0900	0.1083	0.1151	0.0434	0.0217	0.0444	0.0816	0.1133	0.1208	LOSS PARA
	DFAC	0.6340	0.5895	0.6117	0.4755	0.4199	0.4245	0.5054	0.6220	0.5941	DFAC
	EFFP	0.5281	0.5856	0.5108	0.6586	0.8049	0.7932	0.7873	0.5332	0.5669	EFFP
	INCID	-0.610	1.480	0.119	-3.136	-4.904	-6.050	0.779	2.470	2.090	INCID
	DEVM	15.520	16.510	17.940	17.980	15.810	18.020	21.040	21.930	22.600	DEVM
	P 2	19.355	19.550	19.175	19.350	19.630	19.650	19.275	18.900	19.100	P 2
	P 2A	18.532	18.516	18.195	18.976	19.443	19.289	18.702	18.208	18.346	P 2A
	T 2	572.400	571.150	568.650	566.050	565.550	568.700	571.550	573.700	575.300	T 2
	T 2A	572.400	571.150	568.650	566.050	565.550	568.700	571.550	573.700	575.300	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Continued)

PERCENT EQUIVALENT DESIGN SPEED = 99.19 EQUIVALENT ROTOR SPEED = 4175.80 CORRECTED WEIGHT FLOW = 94.82 PRESSURE RATIO = 1.2814

INLET		PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	40.950	DIA
STATION 0	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	362.92	362.92	362.92	362.92	362.92	362.92	362.92	362.92	362.92	362.92	V 0
	V 1	408.07	414.39	414.39	417.35	415.64	402.48	396.65	392.72	390.10	390.10	V 1
	VZ 0	362.92	362.92	362.92	362.92	362.92	362.92	362.92	362.92	362.92	362.92	VZ 0
	VZ 1	408.07	414.39	414.39	417.34	415.58	402.42	396.56	392.62	390.08	390.08	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3286	0.3286	0.3286	0.3286	0.3286	0.3286	0.3286	0.3286	0.3286	0.3286	M 0
	M 1	0.3705	0.3764	0.3764	0.3792	0.3776	0.3653	0.3599	0.3562	0.3538	0.3538	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.124	-0.142	-0.142	-0.150	-0.145	-0.109	-0.093	-0.082	-0.075	-0.075	DFAC
	EFFP	0.9998	1.0000	1.0000	0.9998	1.0000	0.9999	1.0000	0.9999	0.9999	0.9999	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVH	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVH
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4		PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	40.135	DIA
STATION 1	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
STATION 2	BETA 2	56.100	55.950	55.170	47.020	44.050	44.650	48.490	50.450	52.340	52.340	BETA 2
	BETA(PR) 1	55.925	55.899	56.190	57.007	58.383	60.337	61.497	61.984	62.399	62.399	BETA(PR) 1
	BETA(PR) 2	9.680	15.498	18.459	23.440	26.781	31.196	35.221	36.392	38.909	38.909	BETA(PR) 2
	V 1	408.07	414.39	414.39	417.35	415.64	402.48	396.65	392.72	390.10	390.10	V 1
	V 2	654.51	622.59	612.46	623.56	631.89	614.53	589.73	584.11	569.33	569.33	V 2
	VZ 1	408.07	414.39	414.39	417.34	415.58	402.42	396.56	392.62	390.08	390.08	VZ 1
	VZ 2	365.05	348.60	349.80	425.07	454.04	437.03	390.71	371.82	347.75	347.75	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	543.25	515.85	502.73	456.15	439.23	431.72	441.47	450.25	450.58	450.58	V-THETA 2
	V(PR) 1	728.3	739.1	744.7	766.4	792.8	813.2	831.0	835.9	841.9	841.9	V(PR) 1
	V(PR) 2	370.3	361.8	368.8	463.4	508.8	511.2	478.5	462.1	447.1	447.1	V(PR) 2
	VTHETA PR1	-603.3	-612.0	-618.8	-642.8	-675.1	-706.6	-730.3	-737.9	-746.1	-746.1	VTHETA PR1
	VTHETA PR2	-62.3	-96.7	-116.8	-184.3	-229.2	-264.6	-275.8	-274.0	-280.7	-280.7	VTHETA PR2
	U 1	603.28	612.02	618.76	642.81	675.06	706.59	730.27	737.92	746.12	746.12	U 1
	U 2	605.52	612.51	619.49	640.45	668.40	696.34	717.30	724.30	731.27	731.27	U 2
	M 1	0.3705	0.3764	0.3764	0.3792	0.3776	0.3653	0.3599	0.3562	0.3538	0.3538	M 1
	M 2	0.5778	0.5486	0.5398	0.5514	0.5593	0.5416	0.5171	0.5114	0.4969	0.4969	M 2
	M(PR) 1	0.6613	0.6714	0.6765	0.6963	0.7202	0.7381	0.7540	0.7582	0.7636	0.7636	M(PR) 1
	M(PR) 2	0.3269	0.3188	0.3250	0.4097	0.4504	0.4505	0.4195	0.4046	0.3902	0.3902	M(PR) 2
	TURN(PR)	46.244	40.401	37.732	33.570	31.610	29.156	26.291	25.607	23.510	23.510	TURN(PR)
	UUBAR	0.2524	0.2679	0.2633	0.1286	0.0738	0.0938	0.1677	0.2022	0.2314	0.2314	UUBAR
	LOSS PARA	0.0979	0.1028	0.1006	0.0491	0.0286	0.0363	0.0639	0.0766	0.0856	0.0856	LOSS PARA
	DFAC	0.7857	0.7886	0.7769	0.6428	0.5978	0.6100	0.6697	0.6984	0.7208	0.7208	DFAC
	EFFP	0.8714	0.8352	0.8424	0.9352	0.9938	0.9389	0.8556	0.8333	0.7814	0.7814	EFFP
	EFF	0.8661	0.8288	0.8364	0.9326	0.9935	0.9363	0.8497	0.8265	0.7728	0.7728	EFF
	INCID	-0.505	-0.321	-0.090	-0.694	-2.911	-5.516	-8.689	-9.912	-11.452	-11.452	INCID
	DEVH	18.180	18.998	18.658	13.686	10.370	12.078	15.920	17.321	20.238	20.238	DEVH
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.560	19.180	19.100	19.430	19.710	19.705	19.525	19.475	19.325	19.325	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	569.700	568.200	566.950	564.650	564.400	567.150	570.350	571.300	573.350	573.350	T 2
SLOTTED STATOR 4		PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.48	14.64	9.66	4.76	PCT SPAN
	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	39.650	DIA
STATION 2	BETA 2	56.100	55.950	55.170	47.020	44.050	44.650	48.490	50.450	52.340	52.340	BETA 2
STATION 2A	BETA 2A	2.600	3.135	3.730	5.370	5.450	6.940	7.140	6.610	6.380	6.380	BETA 2A
	V 2	654.51	622.59	612.46	623.56	631.89	614.53	589.73	584.11	569.33	569.33	V 2
	V 2A	384.98	384.14	376.57	417.66	472.35	481.09	449.24	418.01	397.47	397.47	V 2A
	VZ 2	365.05	348.60	349.80	425.07	454.04	437.03	390.71	371.82	347.75	347.75	VZ 2
	VZ 2A	384.58	383.57	375.78	415.82	470.22	477.56	445.76	415.23	395.01	395.01	VZ 2A
	V-THETA 2	543.25	515.85	502.73	456.15	439.23	431.72	441.47	450.25	450.58	450.58	V-THETA 2
	V-THETA 2A	17.46	21.01	24.50	39.09	44.86	58.13	55.84	48.12	44.17	44.17	V-THETA 2A
	M 2	0.5778	0.5486	0.5398	0.5514	0.5593	0.5416	0.5171	0.5114	0.4969	0.4969	M 2
	M 2A	0.3327	0.3324	0.3261	0.3633	0.4125	0.4193	0.3895	0.3614	0.3426	0.3426	M 2A
	TURN(PR)	53.500	52.815	51.439	41.644	38.585	37.689	41.328	43.818	45.939	45.939	TURN(PR)
	UUBAR	0.1597	0.1515	0.1656	0.1111	0.0505	0.0571	0.1505	0.2033	0.2052	0.2052	UUBAR
	LOSS PARA	0.0657	0.0629	0.0695	0.0480	0.0227	0.0266	0.0721	0.0985	0.1003	0.1003	LOSS PARA
	DFAC	0.7431	0.7143	0.7144	0.6215	0.5359	0.5047	0.5565	0.6226	0.6558	0.6558	DFAC
	EFFP	0.7027	0.7851	0.7664	0.7471	0.7904	0.7721	0.6586	0.5687	0.5568	0.5568	EFFP
	INCID	2.290	4.080	4.939	-0.166	-2.265	-4.120	-3.932	-3.492	-3.481	-3.481	INCID
	DEVH	19.080	18.725	18.350	17.890	17.120	19.460	21.260	21.560	22.330	22.330	DEVH
	P 2	19.300	19.200	19.125	19.225	19.500	19.550	19.500	19.375	19.175	19.175	P 2
	P 2A	18.709	18.659	18.552	18.842	19.320	19.355	19.014	18.748	18.590	18.590	P 2A
	T 2	569.700	568.200	566.950	564.650	564.400	567.150	570.350	571.300	573.350	573.350	T 2
	T 2A	569.700	568.200	566.950	564.650	564.400	567.150	570.350	571.300	573.350	573.350	T 2A

Table B-4. Blade Element Performance, Unslotted Rotor 4,
Slotted Stator 4 With Vortex Generators Ahead of
Rotor and Between Rotor and Stator (Concluded)

PERCENT EQUIVALENT DESIGN SPEED = 99.74 (EQUIVALENT ROTOR SPEED = 4198.94 CORRECTED WEIGHT FLOW = 91.04 PRESSURE RATIO = 1.2603

INLET											
	PCT SPAN	96.90	91.17	86.75	71.00	49.88	29.24	13.72	8.71	3.34	PCT SPAN
STATION 0	DIA	33.110	33.590	33.960	35.280	37.050	38.780	40.080	40.500	40.950	DIA
STATION 1	BETA 0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 0
	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	V 0	346.80	346.80	346.80	346.80	346.80	346.80	346.80	346.80	346.80	V 0
	V 1	402.00	404.72	407.91	406.96	402.48	377.86	363.34	351.56	348.65	V 1
	VZ 0	346.80	346.80	346.80	346.80	346.80	346.80	346.80	346.80	346.80	VZ 0
	VZ 1	402.00	404.72	407.91	406.95	402.42	377.81	363.26	351.47	348.63	VZ 1
	V-THETA 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 0
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	M 0	0.3137	0.3137	0.3137	0.3137	0.3137	0.3137	0.3137	0.3137	0.3137	M 0
	M 1	0.3648	0.3674	0.3704	0.3695	0.3653	0.3424	0.3290	0.3181	0.3154	M 1
	TURN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	TURN
	UUBAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	UUBAR
	DFAC	-0.159	-0.167	-0.176	-0.173	-0.161	-0.090	-0.048	-0.014	-0.005	DFAC
	EFFP	1.0000	0.9998	0.9998	0.9999	0.9999	0.9999	0.9992	0.9987	0.9951	EFFP
	INCID	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	INCID
	DEVM	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	DEVM
	P 0	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 0
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	T 0	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 0
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
ROTOR 4											
	PCT SPAN	95.01	90.00	85.01	70.01	50.01	30.01	15.02	10.01	5.02	PCT SPAN
STATION 1	DIA	33.233	33.617	34.000	35.150	36.684	38.218	39.368	39.752	40.135	DIA
STATION 2	BETA 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	BETA 1
	BETA 2	51.810	50.660	49.120	43.420	41.400	47.700	62.400	65.390	66.160	BETA 2
	BETA(PRI) 1	56.468	56.669	56.751	57.806	59.339	61.998	63.679	64.654	65.077	BETA(PRI) 1
	BETA(PRI) 2	11.412	16.708	18.200	21.469	26.501	33.048	42.331	47.977	53.230	BETA(PRI) 2
	V 1	402.00	404.72	407.91	406.96	402.48	377.86	363.34	351.56	348.65	V 1
	V 2	668.53	639.12	641.36	661.94	649.36	594.85	551.43	531.18	505.25	V 2
	VZ 1	402.00	404.72	407.91	406.95	402.42	377.81	363.26	351.47	348.63	VZ 1
	VZ 2	413.33	405.15	419.75	480.74	486.95	400.21	255.43	221.18	204.19	VZ 2
	V-THETA 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	V-THETA 1
	V-THETA 2	525.44	494.29	484.92	454.93	429.31	439.82	488.60	482.87	462.09	V-THETA 2
	V(PRI) 1	727.7	736.6	744.0	763.8	789.2	804.7	819.3	821.1	827.3	V(PRI) 1
	V(PRI) 2	421.7	423.0	441.9	516.7	544.3	477.7	345.7	330.5	341.2	V(PRI) 2
	VTHETA PRI	-606.6	-615.4	-622.2	-646.4	-678.8	-710.5	-734.3	-742.0	-750.3	VTHETA PRI
	VTHETA PR2	-83.4	-121.6	-138.0	-189.1	-242.8	-260.4	-232.7	-245.4	-273.2	VTHETA PR2
	U 1	606.62	615.41	622.19	646.38	678.80	710.50	734.32	742.01	750.26	U 1
	U 2	608.87	615.91	622.92	643.99	672.10	700.20	721.27	728.31	735.33	U 2
	M 1	0.3648	0.3674	0.3704	0.3695	0.3653	0.3424	0.3290	0.3181	0.3154	M 1
	M 2	0.5895	0.5626	0.5656	0.5856	0.5750	0.5235	0.4820	0.4630	0.4391	M 2
	M(PRI) 1	0.6605	0.6686	0.6755	0.6935	0.7163	0.7292	0.7418	0.7429	0.7484	M(PRI) 1
	M(PRI) 2	0.3718	0.3723	0.3897	0.4579	0.4820	0.4204	0.3022	0.2881	0.2965	M(PRI) 2
	TURN(PRI)	45.056	39.961	38.552	36.341	32.847	28.965	21.365	16.693	11.867	TURN(PRI)
	UUBAR	0.1917	0.2050	0.1874	0.0828	0.0893	0.2687	0.4726	0.4970	0.4852	UUBAR
	LOSS PARA	0.0740	0.0782	0.0717	0.0321	0.0347	0.1020	0.1629	0.1557	0.1381	LOSS PARA
	DFAC	0.7053	0.6931	0.6688	0.5711	0.5454	0.6520	0.8537	0.8718	0.8505	DFAC
	EFFP	0.8459	0.8049	0.8377	0.9482	0.9309	0.7931	0.6622	0.6156	0.5729	EFFP
	EFF	0.8394	0.7973	0.8313	0.9460	0.9280	0.7857	0.6516	0.6041	0.5609	EFF
	INCID	0.038	0.449	0.471	0.106	-1.955	-3.855	-6.506	-7.241	-8.775	INCID
	DEVM	19.912	20.208	18.399	11.715	10.089	13.930	23.029	28.905	34.558	DEVM
	P 1	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	14.694	P 1
	P 2	19.580	19.275	19.310	19.670	19.515	18.795	18.280	18.090	17.900	P 2
	T 1	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	518.700	T 1
	T 2	572.500	571.150	569.350	566.350	565.900	566.800	569.950	571.250	572.350	T 2
SLOTTED											
STATOR 4	PCT SPAN	94.96	90.34	84.87	69.68	49.58	29.43	14.64	9.66	4.76	PCT SPAN
STATION 2	DIA	33.210	33.540	33.930	35.015	36.450	37.885	38.945	39.300	39.650	DIA
STATION 2A	BETA 2	51.810	50.660	49.120	43.420	41.400	47.700	62.400	65.390	66.160	BETA 2
	BETA 2A	-1.580	0.710	4.030	6.840	5.230	5.680	4.680	3.660	2.350	BETA 2A
	V 2	668.53	639.12	641.36	661.94	649.36	594.85	551.43	531.18	505.25	V 2
	VZ 2A	466.88	463.97	440.91	515.45	533.77	486.43	416.29	382.21	378.87	VZ 2A
	VZ 2	413.33	405.15	419.75	480.74	486.95	400.21	255.43	221.18	204.19	VZ 2
	VZ 2A	466.71	463.93	439.82	511.78	531.55	484.05	414.90	381.44	378.55	VZ 2A
	V-THETA 2	525.44	494.29	484.92	454.93	429.31	439.82	488.60	482.87	462.09	V-THETA 2
	V-THETA 2A	-12.87	5.75	30.99	61.39	48.66	48.14	33.97	24.40	15.53	V-THETA 2A
	M 2	0.5895	0.5626	0.5656	0.5856	0.5750	0.5235	0.4820	0.4630	0.4391	M 2
	M 2A	0.4045	0.4024	0.3824	0.4508	0.4677	0.4243	0.3603	0.3298	0.3265	M 2A
	TURN(PRI)	53.390	49.950	45.089	36.574	36.155	42.000	57.702	61.713	63.794	TURN(PRI)
	UUBAR	0.2192	0.2629	0.2840	0.1078	0.0500	0.1264	0.1890	0.2025	0.2157	UUBAR
	LOSS PARA	0.0903	0.1094	0.1192	0.0465	0.0225	0.0593	0.0906	0.0983	0.1059	LOSS PARA
	DFAC	0.6336	0.5926	0.6110	0.4803	0.4443	0.4936	0.6461	0.7041	0.6879	DFAC
	EFFP	0.5029	0.5532	0.4804	0.6105	0.6376	1.0490	0.9478	0.9118	1.1596	EFFP
	INCID	-2.000	-1.210	-1.111	-3.766	-4.915	-1.070	9.982	11.453	10.344	INCID
	DEVM	14.900	16.300	18.650	19.360	16.900	18.200	18.800	18.610	18.300	DEVM
	P 2	19.350	19.475	19.225	19.375	19.475	19.325	18.825	18.575	18.725	P 2
	P 2A	18.518	18.406	18.179	18.365	19.281	18.853	18.214	17.976	18.068	P 2A
	T 2	572.500	571.150	569.350	566.350	565.900	566.800	569.950	571.250	572.350	T 2
	T 2A	572.500	571.150	569.350	566.350	565.900	566.800	569.950	571.250	572.350	T 2A

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