NASA CONTRACTOR REPORT

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Multivariate Analysis, Retrieval, and Storage System (MARS)

Vol. IV, Turbojet and Turbofan Data Base (By Engine)

MAY 1975

Developed under
CONTRACT No. NAS 2-7627

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PREFACE

This report was prepared under Task II of Contract NAS2-7627, "Further Flight Mechanics and Vehicle Synthesis Research", in the period from June 1973 to May 1974. Mr. Michael J. Tauber was the NASA technical monitor for this study which was done for the Advanced Concepts Branch of the Aeronautics Division of National Aeronautics and Space Administration's Ames Research Center. Mr. Donald S. Hague, of Aerophysics Research Corporation, served as project leader for this study.

In the aerospace vehicle preliminary design process the estimation of subsystem component weights and costs are based on formulae obtained by multivariate correlation-regression analyses of historical data. While many groupings of such formulae have been presented in the past, there exists a need for a rapid method of verifying and improving these formulae in specific applications. The Multivariable Data Analysis, Retrieval, and Storage System (MARS) fulfills this function. In the MARS system selected vehicle characteristics information has been stored in a computerized data base. The data can be displayed, retrieved, or analyzed for functional relationships by multivariable statistical correlation-regression analyses using any specified subset of characteristics and vehicles.

This report, Volume IV of the Task II documentation, consists of a partial listing of the MARS system engine data base. The information contained in this data base was originally supplied by Mr. J. Morris of NASA's Ames Research Center, Aeronautics Division.

ENGINE IDENTIFICATION FILE

BYPASS RATIO	=	0.7500
OVERALL COMPRESSOR PRESS. RATIO	=	21.800
OUTER COMPRESSOR PRESS. RATIO	=	7.4100
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	5.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	3.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	2.4300
TURBINE MAX. INLET TEMP. DEGREES F	=	2283.0
NOMINAL ENGINE LENGTH , INCHES	=	241.70
WEIGHT IN POUNDS	=	3985.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	14560.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.68600
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	260.00
S.L. STATIC MAX. A/B THRUST	=	25100.
S.L. STATIC MAX. A/B S.F.C.	=	2.4500
NOMINAL ENGINE DIAMETER, INCHES	=	48.900
	=	0.11111E-08
INSTALLATION MONTH	=	7.0000
INSTALLATION YEAR	=	71.000
TOTAL NUMBER OF COMP. STAGES	=	16.000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

ENGINE IDENTIFICATION FILE ENGINE NUMBER = 1

A/B THRUST TO NON A/B THRUST RATIO	=	1.7239
BYPASS RATIO + 1	=	1.7200
THRUST/WEIGHT	=	3.6537
THRUST PER SQUARE INCH	=	7.7527

ENGINE IDENTIFICATION DECK		ENGINE MODEL
BYPASS RATIO	=	0.59000
OVERALL COMPRESSOR PRESS. RATIO	=	12.000
OUTER COMPRESSOR PRESS. RATIO	=	3.9000
NO. OF STAGES LOW PRESS.COMPRESSOR	=	3.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	3.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.7000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	145.70
WEIGHT IN POUNDS	=	3900.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	16500.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.52000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	444.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	52.900
	=	0.11111E-03
INSTALLATION MONTH	=	5.0000
INSTALLATION YEAR	=	80.000
TOTAL NUMBER OF COMP. STAGES	=	10.000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

ENGINE IDENTIFICATION 852H

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.5900
THRUST/WEIGHT	=	4.2306
THRUST PER SQUARE INCH	=	7.5073

ENGINE IDENTIFICATION A10A ENGINE NUMBER = 3

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	7.2300
THRUST/WEIGHT	=	5.7417
THRUST PER SQUARE INCH	=	4.1553

BYPASS RATIO	=	6.2300
OVERALL COMPRESSOR PRESS. RATIO	=	1[illegible]900
OUTER COMPRESSOR PRESS. RATIO	=	1.9100
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	1.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	14.000
NO. OF STAGES, LOW PRESS.TURBINE	=	4.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.9100
TURBINE MAX. INLET TEMP. DEGREES F	=	2197.0
NOMINAL ENGINE LENGTH , INCHES	=	104.09
WEIGHT IN POUNDS	=	1421.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	8159.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.34900
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	339.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	50.000
	=	0.11111E-03
INSTALLATION MONTH	=	5.0000
INSTALLATION YEAR	=	69.000
TOTAL NUMBER OF COMP. STAGES	=	15.000
TOTAL NUMBER OF TURBINE STAGES	=	6.0000

E N G I N E I D E N T I F I C A T I O N EC1030

BYPASS RATIO	=	4.4000
OVERALL COMPRESSOR PRESS. RATIO	=	30.000
OUTER COMPRESSOR PRESS. RATIO	=	1.7200
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	3.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	11.000
NO. OF STAGES, LOW PRESS.TURBINE	=	4.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.5000
TURBINE MAX. INLET TEMP. DEGREES F	=	2470.0
NOMINAL ENGINE LENGTH , INCHES	=	190.00
WEIGHT IN POUNDS	=	9325.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	43225.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.38000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	1365.0
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	107.00
	=	0.11111E-08
INSTALLATION MONTH	=	9.0000
INSTALLATION YEAR	=	70.000
TOTAL NUMBER OF COMP. STAGES	=	17.000
TOTAL NUMBER OF TURBINE STAGES	=	6.0000

ENGINE IDENTIFICATION EC1030

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	5.4000
THRUST/WEIGHT	=	5.1922
THRUST PER SQUARE INCH	=	4.8070

ENGINE IDENTIFICATION 747230

BYPASS RATIO	=	5.1000
FAN/LPC COMPRESSOR PRESS. RATIO	=	22.300
OUTER COMPRESSOR PRESS. RATIO	=	2.3000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	4.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	11.000
NO. OF STAGES, LOW PRESS.TURBINE	=	4.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.5000
TURBINE MAX. INLET TEMP. DEGREES F	=	2330.0
NOMINAL ENGINE LENGTH , INCHES	=	154.20
WEIGHT IN POUNDS	=	8770.0
S.L. STATIC MIL. POWER(3D MIN. MAX.)	=	39650.
S.L. S F C MIL. POWER(3D MIN. MAX.)	=	0.3460C
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	1440.0
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	99.500
	=	0.11111E-03
INSTALLATION MONTH	=	7.0000
INSTALLATION YEAR	=	71.000
TOTAL NUMBER OF COMP. STAGES	=	15.000
TOTAL NUMBER OF TURBINE STAGES	=	6.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	6.1000
THRUST/WEIGHT	=	4.5211
THRUST PER SQUARE INCH	=	5.5204

ENGINE IDENTIFICATION 72720) ENGINE NUMBER =

BYPASS RATIO	=	1.0300
OVERALL COMPRESSOR PRESS. RATIO	=	18.900
OUTER COMPRESSOR PRESS. RATIO	=	4.2000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	6.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	3.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	2.6100
TURBINE MAX. INLET TEMP. DEGREES F	=	1720.0
NOMINAL ENGINE LENGTH , INCHES	=	123.67
WEIGHT IN POUNDS	=	3318.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	12600.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	.57000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	318.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	45.060
	=	0.11111E-08
INSTALLATION MONTH	=	3.0000
INSTALLATION YEAR	=	69.000
TOTAL NUMBER OF COMP. STAGES	=	13.000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

ENGINE IDENTIFICATION 727200 ENGINE NUMBER = 6

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	2.0300
THRUST/WEIGHT	=	3.9155
THRUST PER SQUARE INCH	=	7.9013

ENGINE IDENTIFICATION F100C	ENGINE INDEX = 7
BYPASS RATIO	= 0.00000
OVERALL COMPRESSOR PRESS. RATIO	= 23.800
OUTER COMPRESSOR PRESS. RATIO	= 3.9000
NO. OF STAGES, LOW PRESS.COMPRESSOR	= 3.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	= 7.0000
NO. OF STAGES, LOW PRESS.TURBINE	= 2.0000
NO. OF STAGES, HIGHPRESS.TURBINE	= 1.0000
FAN PRESSURE RATIO	= 1.0000
TURBINE MAX. INLET TEMP. DEGREES F	= 1600.0
NOMINAL ENGINE LENGTH , INCHES	= 240.60
WEIGHT IN POUNDS	= 5160.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	= 10200.
S.L. S F C MIL. POWER(30 MIN. MAX.)	= 0.83500
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	= 165.00
S.L. STATIC MAX. A/B THRUST	= 16000.
S.L. STATIC MAX. A/B S.F.C.	= 2.1000
NOMINAL ENGINE DIAMETER, INCHES	= 40.100
	= 0.11111E-08
INSTALLATION MONTH	= 1.0000
INSTALLATION YEAR	= 57.000
TOTAL NUMBER OF COMP. STAGES	= 10.000
TOTAL NUMBER OF TURBINE STAGES	= 3.0000

A/B THRUST TO NON A/B THRUST RATIO	=	.9600
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	1.9767
THRUST PER SQUARE INCH	=	8.0705

ENGINE IDENTIFICATION F105DF ENGINE NUMBER

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	11.500
OUTER COMPRESSOR PRESS. RATIO	=	3.7500
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	9.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	2.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1610.0
NOMINAL ENGINE LENGTH , INCHES	=	259.00
WEIGHT IN POUNDS	=	5950.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	16100.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.92000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	252.00
S.L. STATIC MAX. A/B THRUST	=	24500.
S.L. STATIC MAX. A/B S.F.C.	=	2.1500
NOMINAL ENGINE DIAMETER, INCHES	=	43.000
	=	0.111111E-04
INSTALLATION MONTH	=	1.0000
INSTALLATION YEAR	=	59.000
TOTAL NUMBER OF COMP. STAGES	=	15.000
TOTAL NUMBER OF TURBINE STAGES	=	3.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.9217
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.7059
THRUST PER SQUARE INCH	=	11.087

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	12.900
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1775.0
NOMINAL ENGINE LENGTH , INCHES	=	208.45
WEIGHT IN POUNDS	=	3685.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	10900.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.96000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	165.00
S.L. STATIC MAX. A/B THRUST	=	17000.
S.L. STATIC MAX. A/B S.F.C.	=	1.9450
NOMINAL ENGINE DIAMETER, INCHES	=	35.180
	=	0.11111E-03
INSTALLATION MONTH	=	2.0000
INSTALLATION YEAR	=	63.000
TOTAL NUMBER OF COMP. STAGES	=	17.000
TOTAL NUMBER OF TURBINE STAGES	=	3.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.5990
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.9579
THRUST PER SQUARE INCH	=	11.214

ENGINE IDENTIFICATION FOR

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	7.0000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	8.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1700.0
NOMINAL ENGINE LENGTH , INCHES	=	110.00
WEIGHT IN POUNDS	=	597.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	2720.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	1.0300
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	44.000
S.L. STATIC MAX. A/B THRUST	=	4080.0
S.L. STATIC MAX. A/B S.F.C.	=	2.2300
NOMINAL ENGINE DIAMETER, INCHES	=	20.400
	=	0.111111-08
INSTALLATION MONTH	=	7.0000
INSTALLATION YEAR	=	83.000
TOTAL NUMBER OF COMP. STAGES	=	8.0000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

ENGINE IDENTIFICATION F5A ENGINE NUMBER = 10

A/B THRUST TO NON A/B THRUST RATIO	=	1.5000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	4.5561
THRUST PER SQUARE INCH	=	8.3218

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	11.300
OUTER COMPRESSOR PRESS. RATIO	=	3.9000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	9.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	4.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	157.70
WEIGHT IN POUNDS	=	3970.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	10500.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.79500
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	165.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	40.500
	=	0.11111E-05
INSTALLATION MONTH	=	12.000
INSTALLATION YEAR	=	55.000
TOTAL NUMBER OF COMP. STAGES	=	16.000
TOTAL NUMBER OF TURBINE STAGES	=	5.0000

ENGINE IDENTIFICATION

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.6445
THRUST PER SQUARE INCH	=	8.1506

BYPASS RATIO	=	8.0000
OVERALL COMPRESSOR PRESS. RATIO	=	22.000
OUTER COMPRESSOR PRESS. RATIO	=	1.4600
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	1.5000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	10.000
NO. OF STAGES, LOW PRESS.TURBINE	=	6.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.4600
TURBINE MAX. INLET TEMP. DEGREES F	=	2425.0
NOMINAL JACING LENGTH , INCHES	=	203.11
WEIGHT IN POUNDS	=	7136.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	40805.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.31500
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	1549.0
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	100.00
	=	0.11111E-08
INSTALLATION MONTH	=	9.0000
INSTALLATION YEAR	=	68.000
TOTAL NUMBER OF COMP. STAGES	=	17.500
TOTAL NUMBER OF TURBINE STAGES	=	8.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	5.0000
THRUST/WEIGHT	=	5.6796
THRUST PER SQUARE INCH	=	5.1954

ENGINE IDENTIFICATION A70		ENGINE DECK # = 13
BYPASS RATIO	=	0.76000
OVERALL COMPRESSOR PRESS. RATIO	=	21.000
OUTER COMPRESSOR PRESS. RATIO	=	2.4500
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	3.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	11.000
NO. OF STAGES, LOW PRESS.TURBINE	=	2.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	2.4500
TURBINE MAX. INLET TEMP. DEGREES F	=	2157.0
NOMINAL ENGINE LENGTH , INCHES	=	114.17
WEIGHT IN POUNDS	=	2175.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	14500.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.64700
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	260.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	39.940
	=	0.111113-08
INSTALLATION MONTH	=	10.000
INSTALLATION YEAR	=	68.000
TOTAL NUMBER OF COMP. STAGES	=	16.000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.7600
THRUST/WEIGHT	=	4.5669
THRUST PER SQUARE INCH	=	11.809

BYPASS RATIO	=	6.2500
OVERALL COMPRESSOR PRESS. RATIO	=	11.200
OUTER COMPRESSOR PRESS. RATIO	=	1.6500
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	2.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	2.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.4000
TURBINE MAX. INLET TEMP. DEGREES F	=	2050.0
NOMINAL ENGINE LENGTH , INCHES	=	56.770
WEIGHT IN POUNDS	=	1095.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	6541.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.39700
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	260.00
S.L. STATIC MAX. A/P THRUST	=	-1.0000
S.L. STATIC MAX. A/P S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	42.400
	=	0.11111E-08
INSTALLATION MONTH	=	5.0000
INSTALLATION YEAR	=	73.000
TOTAL NUMBER OF COMP. STAGES	=	9.0000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

ENGINE IDENTIFICATION YASA ENGINE NUMBER = 14

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	7.2500
THRUST/WEIGHT	=	5.9735
THRUST PER SQUARE INCH	=	4.6326

ENGINE IDENTIFICATION EC1370 ENGINE NUMBER =

BYPASS RATIO	=	1.3700
OVERALL COMPRESSOR PRESS. RATIO	=	13.560
CUTLR COMPRESSOR PRESS. RATIO	=	4.2700
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	3.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	3.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.7400
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	136.45
WEIGHT IN POUNDS	=	4360.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	16400.
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.51500
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	465.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	53.140
	=	0.11111E-08
INSTALLATION MONTH	=	4.0000
INSTALLATION YEAR	=	82.000
TOTAL NUMBER OF COMP. STAGES	=	15.000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	2.3700
THRUST/WEIGHT	=	3.8490
THRUST PER SQUARE INCH	=	7.3945

BYPASS RATIO	=	2.0700
OVERALL COMPRESSOR PRESS. RATIO	=	15.090
OUTER COMPRESSOR PRESS. RATIO	=	2.4000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	5.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	1.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	3.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.5400
TURBINE MAX. INLET TEMP. DEGREES F	=	2950.0
NOMINAL ENGINE LENGTH , INCHES	=	49.730
WEIGHT IN POUNDS	=	710.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	3500.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.49300
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	215.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	32.750
	=	0.11111E-08
INSTALLATION MONTH	=	3.0000
INSTALLATION YEAR	=	71.000
TOTAL NUMBER OF COMP. STAGES	=	6.0000
TOTAL NUMBER OF TURBINE STAGES	=	4.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	3.6700
THRUST/WEIGHT	=	4.5296
THRUST PER SQUARE INCH	=	4.1548

BYPASS RATIO	=	1.2000
OVERALL COMPRESSOR PRESS. RATIO	=	8.3500
OUTER COMPRESSOR PRESS. RATIO	=	2.6800
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	5.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	1.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	2.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.7000
TURBINE MAX. INLET TEMP. DEGREES F	=	1750.0
NOMINAL ENGINE LENGTH , INCHES	=	30.980
WEIGHT IN POUNDS	=	110.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	476.00
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.6400
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	11.140
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	13.000
	=	0.111111E-09
INSTALLATION MONTH	=	7.0000
INSTALLATION YEAR	=	70.000
TOTAL NUMBER OF COMP. STAGES	=	6.0000
TOTAL NUMBER OF TURBINE STAGES	=	3.0000

A/I THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	2.2000
THRUST/WEIGHT	=	4.3273
THRUST PER SQUARE INCH	=	4.2088

ENGINE IDENTIFICATION PROC ENGINE NUMBER =

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	4.5500
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	1.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	140.92
WEIGHT IN POUNDS	=	1920.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	4000.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	1.1400
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	86.300
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	47.000
	=	0.11111E-08
INSTALLATION MONTH	=	7.0000
INSTALLATION YEAR	=	49.000
TOTAL NUMBER OF COMP. STAGES	=	1.0000
TOTAL NUMBER OF TURBINE STAGES	=	1.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.5275
THRUST PER SQUARE INCH	=	2.65.4

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	5.2000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	11.000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	195.50
WEIGHT IN POUNDS	=	2850.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	5600.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	1.1000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	89.100
S.L. STATIC MAX. A/B THRUST	=	7400.0
S.L. STATIC MAX. A/B S.F.C.	=	2.2500
NOMINAL ENGINE DIAMETER, INCHES	=	43.000
	=	0.11111E-09
INSTALLATION MONTH	=	3.0000
INSTALLATION YEAR	=	53.000
TOTAL NUMBER OF COMP. STAGES	=	11.000
TOTAL NUMBER OF TURBINE STAGES	=	1.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.3214
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	1.9649
THRUST PER SQUARE INCH	=	2.8562

ENGINE IDENTIFICATION F99D ENGR. NO. = 20

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	5.2000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	12.000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1612.0
NOMINAL ENGINE LENGTH , INCHES	=	226.50
WEIGHT IN POUNDS	=	3500.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	5425.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	1.1500
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	102.00
S.L. STATIC MAX. A/B THRUST	=	7500.0
S.L. STATIC MAX. A/B S.F.C.	=	2.3000
NOMINAL ENGINE DIAMETER, INCHES	=	39.000
	=	0.11111E-06
INSTALLATION MONTH	=	3.0000
INSTALLATION YEAR	=	94.000
TOTAL NUMBER OF COMP. STAGES	=	12.000
TOTAL NUMBER OF TURBINE STAGES	=	1.0000

A/B THRUST TO NON A/B THRUST RATIO = 1.3825

BYPASS RATIO + 1 = 1.0000

THRUST/WEIGHT = 1.3500

THRUST PER SQUARE INCH = 4.9423

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	5.2000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	12.000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	148.00
WEIGHT IN POUNDS	=	2607.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	5970.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	1.0600
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	103.50
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	39.500
	=	0.11111E-08
INSTALLATION MONTH	=	10.000
INSTALLATION YEAR	=	51.000
TOTAL NUMBER OF COMP. STAGES	=	12.000
TOTAL NUMBER OF TURBINE STAGES	=	1.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.2500
THRUST PER SQUARE INCH	=	4.8718

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	13.000
OUTER COMPRESSOR PRESS. RATIO	=	2.2000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	5.0000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	7.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	2.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1900.0
NOMINAL ENGINE LENGTH , INCHES	=	149.50
WEIGHT IN POUNDS	=	2145.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	3450.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.8300
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	222.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	32.500
	=	0.1111E-03
INSTALLATION MONTH	=	10.000
INSTALLATION YEAR	=	59.000
TOTAL NUMBER OF COMP. STAGES	=	12.000
TOTAL NUMBER OF TURBINE STAGES	=	3.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	1.6084
THRUST PER SQUARE INCH	=	4.4270

ENGINE IDENTIFICATION T39A

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	7.0000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	9.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	79.500
WEIGHT IN POUNDS	=	460.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	3000.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.96000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	50.000
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	23.400
	=	0.11111E-08
INSTALLATION MONTH	=	10.000
INSTALLATION YEAR	=	60.000
TOTAL NUMBER OF COMP. STAGES	=	9.0000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	6.5217
THRUST PER SQUARE INCH	=	6.9759

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	6.8000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	13.000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1570.0
NOMINAL ENGINE LENGTH , INCHES	=	126.30
WEIGHT IN POUNDS	=	2814.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	7220.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.92000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	117.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	27.700
	=	0.11111E-03
INSTALLATION MONTH	=	10.000
INSTALLATION YEAR	=	53.000
TOTAL NUMBER OF COMP. STAGES	=	13.000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

ENGINE IDENTIFICATION 857A ENGINE NUMBER = 24

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.5657
THRUST PER SQUARE INCH	=	6.4679

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.2716
THRUST PER SQUARE INCH	=	7.9157

ENGINE IDENTIFICATION F86A ENGINE NUMBER =

BYPASS RATIO	=	C.CCCCC
OVERALL COMPRESSOR PRESS. RATIO	=	7.0000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	C.CCCCC
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	10.000
NO. OF STAGES, LOW PRESS.TURBINE	=	0.00000
NO. OF STAGES, HIGHPRESS.TURBINE	=	2.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	147.20
WEIGHT IN POUNDS	=	3825.0
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	8920.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	C.91700
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	142.00
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	34.800
	=	0.11111E-03
INSTALLATION MONTH	=	10.000
INSTALLATION YEAR	=	54.000
TOTAL NUMBER OF COMP. STAGES	=	12.000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	2.3320
THRUST PER SQUARE INCH	=	8.2865

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	7.0000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	9.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	1.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1600.0
NOMINAL ENGINE LENGTH , INCHES	=	78.500
WEIGHT IN POUNDS	=	486.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	2900.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.9600
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	50.000
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	23.400
	=	0.11111E-05
INSTALLATION MONTH	=	2.0000
INSTALLATION YEAR	=	62.000
TOTAL NUMBER OF COMP. STAGES	=	9.0000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	5.9671
THRUST PER SQUARE INCH	=	6.7434

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	7.0000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	8.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	1.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1740.0
NOMINAL ENGINE LENGTH , INCHES	=	41.000
WEIGHT IN POUNDS	=	387.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	2950.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	0.99000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	43.800
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	30.000
	=	0.11111E-06
INSTALLATION MONTH	=	1.0000
INSTALLATION YEAR	=	67.000
TOTAL NUMBER OF COMP. STAGES	=	8.0000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	7.6227
THRUST PER SQUARE INCH	=	9.3901

BYPASS RATIO	=	0.00000
OVERALL COMPRESSOR PRESS. RATIO	=	7.0000
OUTER COMPRESSOR PRESS. RATIO	=	1.0000
NO. OF STAGES, LOW PRESS.COMPRESSOR	=	0.00000
NO. OF STAGES, HIGH PRESS.COMPRESSOR	=	3.0000
NO. OF STAGES, LOW PRESS.TURBINE	=	1.0000
NO. OF STAGES, HIGHPRESS.TURBINE	=	1.0000
FAN PRESSURE RATIO	=	1.0000
TURBINE MAX. INLET TEMP. DEGREES F	=	1750.0
NOMINAL ENGINE LENGTH , INCHES	=	48.210
WEIGHT IN POUNDS	=	430.00
S.L. STATIC MIL. POWER(30 MIN. MAX.)	=	2700.0
S.L. S F C MIL. POWER(30 MIN. MAX.)	=	1.1000
ENGINE MASS FLOW S.L. STATIC, LBS/SEC	=	44.900
S.L. STATIC MAX. A/B THRUST	=	-1.0000
S.L. STATIC MAX. A/B S.F.C.	=	-1.0000
NOMINAL ENGINE DIAMETER, INCHES	=	24.600
	=	0.11111E-06
INSTALLATION MONTH	=	11.000
INSTALLATION YEAR	=	67.000
TOTAL NUMBER OF COMP. STAGES	=	3.0000
TOTAL NUMBER OF TURBINE STAGES	=	2.0000

A/B THRUST TO NON A/B THRUST RATIO	=	1.0000
BYPASS RATIO + 1	=	1.0000
THRUST/WEIGHT	=	6.3791
THRUST PER SQUARE INCH	=	5.6807