
TURBOSHAFT, TURBOPROP & PROPFAN
DATABASE HANDBOOK

Élodie Roux



Éditions Élodie Roux

By the same author :

Turbomoteurs et turbopropulseurs : données caractéristiques.

Éditions Élodie Roux. 2011.

ISBN : 978-2-9529380-4-4

Turbofan and Turbojet engines: database handbook.

Éditions Élodie Roux. 2007.

ISBN : 978-2-9529380-1-3

Réacteurs simple et double flux : données caractéristiques.

Éditions Élodie Roux. 2007.

ISBN : 978-2-9529380-0-6

Avions civils à réaction : plan 3 vues et données caractéristiques.

Éditions Élodie Roux. 2007.

ISBN 978-2-9529380-2-0

Éditions Élodie Roux
7, rue Carrière
31700 Blagnac - France

Printed by lulu.com
Copyright : August 2011
ISBN 978-2-9529380-3-7

Foreword

This book shows the engine data which I have collected in recent years, from certification sheets as a priority, or reference books, web sites (The bibliography references are provided for each engine). I have tried to compare the sources in order to make these data as reliable as possible, but please feel free to inform me of any mistakes. I would like to improve and complete this database. A lot of manufacturers have friendly reviewed some of their engine data, and I really would like to thank them for that. But they could not check all their data due to the fact that it takes a lot of time to do it, and because it is sometimes difficult to find old engine data in the archives. So, mind that the manufacturers do not guarantee these data.

The data are listed under the engine names, which should usually be the most convenient arrangement.

To find an engine from its manufacturer, use the index on page 624.

In an aircraft design study it could be useful to find an engine of given power, so a summary table (page 565) lists the engine specifications under the take-off power.

The list of variables (on page 41) provides the definition of the used notations.

Élodie Roux
(*Elodie.Roux@supaero.org*)

Contents

1	List of variables	41
2	Engine data	45
	36-100	45
	36-150CX/IAI	45
	36-150DD	45
	36-150F	45
	36-150F2	46
	36-150M	46
	36-150RJ	46
	36-150W	46
	36-280	46
	36-300	47
	131-9A	47
	131-9B	47
	165TE	47
	185TE	48
	205TE	48
	206 Turbine Pac	48
	217A-2A	48
	225-C10	48
	225-C10A	49
	250-B15	49
	250-B15A	50
	250-B15E	50
	250-B15G	50
	250-B17	51
	250-B17B	51
	250-B17C	52
	250-B17D	52
	250-B17E	53

250-B17F	53
250-B17F/1	53
250-B17F/2	54
250-C10	54
250-C10B	55
250-C10D	55
250-C14	56
250-C18	56
250-C18A	56
250-C18B	57
250-C18C	57
250-C19	57
250-C20	58
250-C20B	58
250-C20C	59
250-C20F	59
250-C20F/2R	60
250-C20J	60
250-C20R	61
250-C20R/1	61
250-C20R/2	62
250-C20R/3	62
250-C20R/4	62
250-C20R/9	63
250-C20S	63
250-C20W	64
250-C22	64
250-C28	64
250-C28B	65
250-C28C	65
250-C30	66
250-C30C	66
250-C30G	67
250-C30G/2	67
250-C30L	68
250-C30M	68
250-C30P	69
250-C30R	69
250-C30R/1	69
250-C30R/2	70
250-C30R/3	70
250-C30R/3M	71
250-C30S	71

250-C30U	71
250-C34	72
250-C40	72
250-C40B	72
250-C47	73
250-C47B	73
250-C47M	74
250-C300/A1	74
250-C300/B1	75
250-MTU-C20B	75
255TE	76
331-200	76
331-250	76
331-350	76
331-500	76
501-D13	77
501-D13A	77
501-D13D	77
501-D13E	78
501-D13H	78
501-D15	79
501-D22	79
501-D22A	79
501-D22C	80
501-D22D	80
501-D22G	80
501-D39	81
501-M62	81
501-M71	81
501-M78	82
501-M80	82
501-M80C	82
502-10VC	82
550-1	83
700	83
AE 1107C	83
AE 1107C-1 Liberty	83
AE 2100A	84
AE 2100C	84
AE 2100D2	84
AE 2100D2A	85
AE 2100D3	85
AE 2100H	86

AE 2100J	86
AE 2100P	86
AI-8	87
AI-9	87
AI-9-3B	87
AI-9V	88
AI-20-5	88
AI-20-6	89
AI-20A	89
AI-20D	89
AI-20D-3	89
AI-20D-4	90
AI-20D-5	90
AI-20D-6	90
AI-20DK	91
AI-20DM	91
AI-20K	91
AI-20M	91
AI-20V	92
AI-24	92
AI-24-2	92
AI-24A	93
AI-24P	93
AI-24T	93
AI-24UBE	94
AI-24VT	94
AI-26-2	94
AI-26P	94
AI-26T	95
AI-26VT	95
AI-30	95
AI-450	95
AI-450-2	96
AI-450M	96
AI-450MS	96
AI-450TP	97
AL-34-1	97
AL-34-2	97
AL5512	98
AM-20	98
APS 500/T-62T-39	98
APS 500/T-62T-40C11	99
APS 500/T-62T-40C2	99

APS 500/T-62T-40C3	99
APS 500/T-62T-40C3A	99
APS 500/T-62T-40C3A1	100
APS 500/T-62T-40C7A	100
APS 500/T-62T-40C7B	100
APS 500/T-62T-40C7D	101
APS 500/T-62T-40C7E1	101
APS 500/T-62T-40C7E2	101
APS 500/T-62T-40C8D	102
APS 500/T-62T-40C8D1	102
APS 500/T-62T-40C9	102
APS 500R/T-62T-40C14	103
APS 1000/T-62T-46C1	103
APS 1000/T-62T-46C12	103
APS 1000/T-62T-46C3	104
APS 1000/T-62T-46C3A	104
APS 1000/T-62T-46C7	104
APS 2000/T-62T-47C1	104
APS 2100	105
APS 2300	105
APS 3200	105
APS 3400	106
APS 5000	106
AR.318-02	106
Ardiden 1A	106
Ardiden 1H	107
Ardiden 1H1	107
Shakti	108
Ardiden 2K	108
Arriel 1	108
Arriel 1A	108
Arriel 1A1	109
Arriel 1A2	109
Arriel 1B	110
Arriel 1B2	110
Arriel 1C	110
Arriel 1C1	111
Arriel 1C2	111
Arriel 1D	112
Arriel 1D1	112
Arriel 1E	113
Arriel 1E2	113
Arriel 1K	114

Arriel 1K1	114
Arriel 1M	114
Arriel 1M1	115
Arriel 1S	115
Arriel 1S1	115
Arriel 2B	116
Arriel 2B1	117
Arriel 2B1A	117
Arriel 2B2	118
Arriel 2C	118
Arriel 2C1	119
Arriel 2C2	119
Arriel 2K2	120
Arriel 2S1	120
Arriel 2S2	121
Arrius 1A	121
Arrius 1A1	122
Arrius 1A2	122
Arrius 1B	122
Arrius 1D	123
Arrius 1M	123
Arrius 2B	123
Arrius 2B1	124
Arrius 2B1A	124
Arrius 2B1A1	125
Arrius 2B2	126
Arrius 2D	126
Arrius 2F	126
Arrius 2G1	127
Arrius 2G2	127
Arrius 2K1	127
Arrius 2K2	128
Artouste I	128
Artouste IIB1	129
Artouste IIC	129
Artouste IIC1	129
Artouste IIC2	130
Artouste IIC5	130
Artouste IIC6	131
Artouste IIIB	131
Artouste IIIB1	132
Artouste IIIC	132
Artouste IIID	132

Artouste 520	133
Astazou II	133
Astazou IIA	133
Astazou IIA2	134
Astazou IIC	134
Astazou IID	135
Astazou IIE	135
Astazou IIG	135
Astazou IIJ	136
Astazou IIK	136
Astazou IIN	136
Astazou III	137
Astazou III-2	137
Astazou IIIA	137
Astazou IIIA2	138
Astazou IIIB	138
Astazou IIIB2	139
Astazou IIIC	139
Astazou IIIC2	139
Astazou IIIN	140
Astazou IIIN2	140
Astazou X	140
Astazou XIII-1	141
Astazou XIV Turboprop	141
Astazou XIV turboshaft	141
Astazou XIVA	142
Astazou XIVB	142
Astazou XIVC	142
Astazou XIVC1	143
Astazou XIVE	143
Astazou XIVF	143
Astazou XIVH	144
Astazou XIVM	144
Astazou XVI	144
Astazou XVIA	145
Astazou XVIC1	145
Astazou XVID	145
Astazou XVIF	146
Astazou XVIF1	146
Astazou XVIG	146
Astazou XVIZ	147
Astazou XVIII	147
Astazou XVIIIA	147

Astazou XX Turboprop	148
Astazou XX Turboshaft	148
Astazou XXB	148
AZ14	149
AZ16	149
Bastan 3A	149
Bastan 6A	149
Bastan 6A1	149
Bastan 6A2	150
Bastan 6B1	150
Bastan 6B2	150
Bastan 6C	151
Bastan 6C1	151
Bastan 6D	151
Bastan 7	152
Bastan 7A	152
Bastan 16	152
Bi-Bastan	153
BR700-TP	153
CT7-1	153
CT7-2	153
CT7-2A	154
CT7-2B	154
CT7-2D	155
CT7-2D1	155
CT7-3	155
CT7-5	156
CT7-5A	156
CT7-5A1	156
CT7-5A2	157
CT7-5A3	157
CT7-6	158
CT7-6A	158
CT7-6A1	158
CT7-6D	159
CT7-7	159
CT7-7A	159
CT7-7A1	160
CT7-7E	160
CT7-7E1	161
CT7-8	161
CT7-8A	161
CT7-8A5	162

CT7-8B	162
CT7-8B5	163
CT7-8C	163
CT7-8E	163
CT7-8E5	164
CT7-8F	164
CT7-8F5	165
CT7-9B	165
CT7-9B1	165
CT7-9B2	166
CT7-9C	166
CT7-9C3	166
CT7-9D	167
CT7-9D2	167
CT7-11	168
CT58-100-1	168
CT58-100-2	168
CT58-110-1	169
CT58-110-2	169
CT58-140-1	169
CT58-140-2	170
CT58-IHI-110-1	170
CT58-IHI-110-2	171
CT58-IHI-140-1	171
CT63-M-5A	171
CT64-820-1	171
CT64-820-2	172
CT64-820-3	172
CT64-820-4	172
CT64-P4C	173
CTP800-4T	173
CTS800-0	173
CTS800-1G	174
CTS800-2	174
CTS800-4	174
CTS800-4A	175
CTS800-4K	175
CTS800-4N	175
CTS800-5	176
CTS800-50	176
CTS800-54	176
D-25V	177
D-25VF	177

D-25VK	177
D-27	178
D-127	178
D-136	179
D-236	179
Dart RDa.1 Mk.502	179
Dart RDa.3 Mk.505	180
Dart RDa.3 Mk.506	180
Dart RDa.3 Mk.506A	180
Dart RDa.3 Mk.506B	180
Dart RDa.3 Mk.506C	181
Dart RDa.3 Mk.506F	181
Dart RDa.6 Mk.507	181
Dart RDa.6 Mk.510	182
Dart RDa.6 Mk.511	182
Dart RDa.6 Mk.511-7E	182
Dart RDa.6 Mk.512	183
Dart RDa.6 Mk.514	183
Dart RDa.6 Mk.514-7	184
Dart RDa.7 Mk.21	184
Dart RDa.7 Mk.520	184
Dart RDa.7 Mk.522	185
Dart RDa.7 Mk.525	185
Dart RDa.7 Mk.526	185
Dart RDa.7 Mk.527	186
Dart RDa.7 Mk.528	186
Dart RDa.7 Mk.528-7E	187
Dart RDa.7 Mk.528D-7E	187
Dart RDa.7 Mk.529-7	188
Dart RDa.7 Mk.529-7E	188
Dart RDa.7 Mk.529-7H	189
Dart RDa.7 Mk.529-8	189
Dart RDa.7 Mk.529-8E	189
Dart RDa.7 Mk.529-8H	190
Dart RDa.7 Mk.529-8X	190
Dart RDa.7 Mk.529-8Y	191
Dart RDa.7 Mk.529-8Z	192
Dart RDa.7 Mk.529D-7E	192
Dart RDa.7 Mk.529D-7H	193
Dart RDa.7 Mk.529D-8E	193
Dart RDa.7 Mk.529D-8H	194
Dart RDa.7 Mk.529D-8X	194
Dart RDa.7 Mk.529D-8Y	195

Dart RDa.7 Mk.529D-8Z	195
Dart RDa.7 Mk.530	196
Dart RDa.7 Mk.531	196
Dart RDa.7 Mk.532	197
Dart RDa.7 Mk.532-2L	197
Dart RDa.7 Mk.532-2S	198
Dart RDa.7 Mk.532-7	198
Dart RDa.7 Mk.532-7L	199
Dart RDa.7 Mk.532-7N	199
Dart RDa.7 Mk.532-7P	200
Dart RDa.7 Mk.532-7R	200
Dart RDa.7 Mk.533-2	201
Dart RDa.7 Mk.534-2	201
Dart RDa.7 Mk.535-2	202
Dart RDa.7 Mk.535-7	202
Dart RDa.7 Mk.535-7R	203
Dart RDa.7 Mk.536	203
Dart RDa.7 Mk.536-2	203
Dart RDa.7 Mk.536-2T	204
Dart RDa.7 Mk.536-7	204
Dart RDa.7 Mk.536-7P	205
Dart RDa.7 Mk.536-7R	205
Dart RDa.7 Mk.551	205
Dart RDa.7 Mk.551-7	206
Dart RDa.7 Mk.551-7R	206
Dart RDa.7 Mk.552	206
Dart RDa.7 Mk.552-2	207
Dart RDa.7 Mk.552-7	207
Dart RDa.7 Mk.552-7R	208
Dart RDa.7/1 Mk.525-F	208
Dart RDa.7/1 Mk.530	209
Dart RDa.8 Mk.101	209
Dart RDa.8 Mk.102	209
Dart RDa.8 Mk.150	209
Dart RDa.8 Mk.151	209
Dart RDa.8 Mk.550-2	210
Dart RDa.10 Mk.542-4	210
Dart RDa.10 Mk.542-4K	210
Dart RDa.10 Mk.542-10	211
Dart RDa.10 Mk.542-10J	211
Dart RDa.10 Mk.542-10K	212
Dart RDa.10 Mk.543-10	212
Dart RDa.10 Mk.543-10K	212

Dart RDa.10/1 Mk.542	213
Dart RDa.12 Mk.201	213
DB 720	213
DB 721 Turboprop	214
DB 721 Turboshaft	214
Diva-117V	214
Double Mamba Mk.1	214
Double Mamba Mk.100	215
Double Mamba Mk.101	215
Double Mamba Mk.102	215
Dual Pac 785-1000	215
Eland NEL.1	215
Eland NEL.6 Mk.503	216
Eland NEL.6 Mk.503A	216
Eland NEL.6 Mk.504	216
Eland NEL.6 Mk.504A	217
Eland NEL.6 Mk.507	217
Eland NEL.6 Mk.507A	217
Eland NEL.6 Mk.508	218
Eland NEL.6 Mk.508A	218
Eland NEL.7	218
Gazelle NGa.2 Mk.101	219
Gazelle NGa.13 Mk.161	219
Gazelle NGa.13/2 Mk.162	219
Gazelle NGa.22 Mk.165	220
Gazelle NGa.22 Mk.165C	220
GE12	220
GE3000	220
GE38-1B	221
Gem 2 Mk.1004	221
Gem 2 Mk.1004D	221
Gem 2, Mk.1001, Mk.10001	221
Gem 4	222
Gem 41 Mk.101	222
Gem 41 Mk.202	222
Gem 41-1 Mk.1014	222
Gem 42 Mk.1017	223
Gem 42-1 Mk.204	223
Gem 42-1 Mk.205	223
Gem 43-1 Mk.1020	224
Gem 47-1 Mk.???	224
Gem 60-3/1 Mk.530	224
Gem 60-3/3 Mk.531	224

Gem Mk.510	225
Gemini/T-62T-20G10C3/4	225
Gnome H.1000 Mk.101	225
Gnome H.1000 Mk.110	226
Gnome H.1000 Mk.111	226
Gnome H.1000 Mk.501	226
Gnome H.1000 Mk.510	226
Gnome H.1000 Mk.511	227
Gnome H.1200	227
Gnome H.1200 Mk.610	227
Gnome H.1200 Mk.640	228
Gnome H.1200 Mk.640A	228
Gnome H.1200 Mk.641	228
Gnome H.1200 Mk.641A	229
Gnome H.1200 Mk.660	229
Gnome H.1400	229
Gnome H.1400-1	230
Gnome H.1400-1T	230
Gnome H.1800	230
GTA-6RM	231
GTA-8RM	231
GTD-3	231
GTD-3BM	231
GTD-3F	232
GTD-3M	232
GTD-110	232
GTD-350	233
GTD-350P	233
GTD-350W	233
GTD-1000T	234
GTD-1000TF	234
GTD-1250	234
GTDE-117	235
GTE-110	235
GTE-400	235
GTP-1-1.5	235
H80	236
HTS900-2-1D	236
HTS1000	236
JFTD12A-1	236
JFTD12A-4A	237
JFTD12A-5A	237
LM500	238

LM2500	238
LM2500+	238
LM2500+G4	239
LM6000	239
LTC 1B-1	239
LTC 1F-2	239
LTC 1K-4C	239
LTC 1K-4K	240
LTC 4B-8	240
LTC 4B-8D	240
LTC 4B-11	240
LTC 4B-12	241
LTC 4G-3	241
LTC 4R-1	241
LTC 4R-3	241
LTC 4V-1	241
LTC K-5	242
LTP 101-600	242
LTP 101-600A	242
LTP 101-600A-1A	243
LTP 101-700A-1A	243
LTS 101-600A-2	243
LTS 101-600A-3	244
LTS 101-600A-3A	244
LTS 101-600B	245
LTS 101-650A	245
LTS 101-650B-1	246
LTS 101-650B-1A	246
LTS 101-650C-2	247
LTS 101-650C-3	247
LTS 101-650C-3A	248
LTS 101-700D-2	248
LTS 101-750A-1	249
LTS 101-750A-3	249
LTS 101-750B-1	249
LTS 101-750B-2	250
LTS 101-750C-1	250
LTS 101-850B-2	251
M70FRU	251
M70RU	251
M90FR	252
M138	252
M601A	252

M601B	253
M601D	253
M601D-1	253
M601D-2	254
M601D-11	254
M601D-11NZ	255
M601E	255
M601E-11	256
M601E-11A	256
M601E-11AS	257
M601E-11S	257
M601E-21	257
M601F	258
M601F-11	258
M601F-21	259
M601F-22	259
M601F-32	260
M601F-33	260
M601F-34	260
M601FS	261
M601H-80	261
M601T	261
M601Z	261
M602A	262
M602B	262
Makila 1A	262
Makila 1A1	263
Makila 1A2	263
Makila 1A4	264
Makila 1K2	264
Makila 2A	265
Makila 2A1	265
Mamba A.S.Ma.1	266
Mamba A.S.Ma.3	266
Mamba A.S.Ma.6	266
Marton 2S/150	266
MG5-10	266
MG5-100	267
MG5-110	267
MG6-10	267
Model 2026	268
Model 6012 C1	268
Model 6012 C2	268

Model 6012 C3	268
Model 6012 E2	269
Model 6012 L2	269
Model 6012 L3	269
Model 6022 A1	269
Model 6022 A2	270
Model 6022 A3	270
MTM 385	270
MTM 385R	270
MTM 390	271
MTR 390	271
MTR 390-2C	271
MTR 390-E	272
Nimbus 102	272
Nimbus 103	273
Nimbus 104	273
Nimbus 105	273
NK-4	274
NK-12	274
NK-12M	274
NK-12MA	275
NK-12MK	275
NK-12MP	275
NK-12MV	275
NK-12ST	276
NK-62M	276
NK-92	276
NK-93	277
NK-94	277
NK-110	277
NK-123	278
Option 15	278
Option 20	278
Option 30	278
Option 50	278
Orédon III	279
PK6	279
PK127A	279
PK127H	279
PK127T/S	280
PK206D	280
PK206S	280
PK207K	280

PLT-27A	281
PLT-27B	281
PLT-27C	281
PLT-27D	282
PRO 5000	282
PRO EDITION	282
PRO X	283
Proteus 625	283
Proteus 705	283
Proteus 755	283
Proteus 756	283
Proteus 765	284
Proteus 766	284
PT6A-6	284
PT6A-6A	285
PT6A-6B	285
PT6A-6/C20	286
PT6A-11	286
PT6A-11AG	287
PT6A-14AG	287
PT6A-15AG	287
PT6A-20	288
PT6A-20A	289
PT6A-20B	289
PT6A-21	290
PT6A-25	290
PT6A-25A	290
PT6A-25C	291
PT6A-25D	291
PT6A-27	292
PT6A-28	292
PT6A-29	293
PT6A-34	294
PT6A-34AG	294
PT6A-34B	295
PT6A-35	295
PT6A-36	296
PT6A-38	296
PT6A-40	297
PT6A-41	297
PT6A-41AG	297
PT6A-42	298
PT6A-42A	299

PT6A-45	299
PT6A-45A	300
PT6A-45AG	300
PT6A-45B	300
PT6A-45R	301
PT6A-50	302
PT6A-50/7	302
PT6A-52	302
PT6A-60	303
PT6A-60A	303
PT6A-60AG	304
PT6A-61	304
PT6A-61A	305
PT6A-62	305
PT6A-64	306
PT6A-65	306
PT6A-65AG	307
PT6A-65AR	307
PT6A-65B	308
PT6A-65R	309
PT6A-66	309
PT6A-66A	310
PT6A-66B	310
PT6A-66D	311
PT6A-67	312
PT6A-67A	312
PT6A-67AF	313
PT6A-67AG	313
PT6A-67B	314
PT6A-67D	315
PT6A-67E	315
PT6A-67F	316
PT6A-67P	316
PT6A-67R	317
PT6A-67T	317
PT6A-68	318
PT6A-68-1	319
PT6A-68-3	319
PT6A-68A	319
PT6A-68B	320
PT6A-68C	320
PT6A-110	320
PT6A-112	321

PT6A-114	321
PT6A-114A	322
PT6A-116	322
PT6A-121	323
PT6A-135	323
PT6A-135A	324
PT6A-135B	324
PT6A-135M	325
PT6B-9	325
PT6B-16	326
PT6B-34	326
PT6B-35F	326
PT6B-36	327
PT6B-36A	327
PT6B-36B	328
PT6B-37	328
PT6B-37A	329
PT6B-67A	329
PT6C-67	329
PT6C-67A	330
PT6C-67B	330
PT6C-67C	330
PT6C-67D	331
PT6C-67E	331
PT6D-114A	332
PT6T-3	332
PT6T-3A	333
PT6T-3B	333
PT6T-3B-1	334
PT6T-3BE	334
PT6T-3BF	335
PT6T-3BG	335
PT6T-3D	335
PT6T-3DE	336
PT6T-3DF	336
PT6T-6	337
PT6T-6B	337
PT6T-9	338
PTL6	338
PTL10	338
PW102A	338
PW108A	339
PW115	339

PW118	340
PW118A	340
PW118B	341
PW119	341
PW119A	342
PW119B	342
PW119C	343
PW120	343
PW120A	344
PW121	344
PW121A	345
PW123	345
PW123AF	346
PW123B	346
PW123C	347
PW123D	348
PW123E	348
PW124	349
PW124A	349
PW124B	349
PW125	350
PW125A	350
PW125B	351
PW126	351
PW126A	352
PW127	352
PW127A	353
PW127AF	353
PW127B	354
PW127C	354
PW127D	354
PW127E	355
PW127F	355
PW127G	356
PW127H	357
PW127J	357
PW127M	357
PW127T/S	358
PW130	358
PW150??	359
PW150A	359
PW150B	359
PW150T	360

PW180	360
PW200/9	360
PW200/55	360
PW205B	361
PW206A	361
PW206B	361
PW206B2	362
PW206C	363
PW206D	363
PW206E	364
PW207C	364
PW207D	365
PW207D1	365
PW207D2	366
PW207E	366
PW207K	367
PW209T	367
PW210S	368
PW901A	368
PW901C	368
PW980A	368
PW3000	369
PW3005	369
PZL-10B	369
PZL-10S	370
PZL-10W	370
R124-300	370
RD-600	370
RD-600S	371
RD-600V	371
RE50	371
RE100	371
RE220	371
RR300	371
RR500TP	372
RR500TS	372
RR1004	372
RS	373
RS.360-07	373
RTM 321	373
RTM 322-01/1	374
RTM 322-01/8 Mk.100	374
RTM 322-01/9	374

RTM 322-01/9A Step 0	375
RTM 322-01/12 Mk.120	375
RTM 322-02/8 Mk.200	376
RTM 322-02/8 Mk.250	376
RTM 322-04/8 Step 0	376
Ryton	377
Saturn	377
SHFE	377
T-20G-10-C4P	377
T34-P-2	378
T34-P-3	378
T34-P-5	378
T34-P-6	378
T34-P-7W	378
T34-P-7WA	378
T34-P-9W	378
T50-BO-12	379
T50-BO-8A	379
T5307A	379
T5309A	379
T5309B	380
T5309C	380
T5311A	380
T5311B	381
T5313A	381
T5313B	381
T5317A	382
T5317A-1	382
T5317B	383
T5317BCV	383
T5319A	383
T5321A	384
T53-K-13B	384
T53-K-13B2	384
T53-K-703	385
T53-L-1	385
T53-L-1A	385
T53-L-1B	385
T53-L-2	386
T53-L-3	386
T53-L-3A	386
T53-L-5	386
T53-L-7	386

T53-L-9A	386
T53-L-11	387
T53-L-11A	387
T53-L-11B	387
T53-L-11C	387
T53-L-11D	388
T53-L-13	388
T53-L-13A	388
T53-L-13B	388
T53-L-15	389
T53-L-17A	389
T53-L-701	389
T53-L-701A	389
T53-L-702	390
T53-L-703	390
T54-A-2	390
T54-A-3	391
T54-A-16	391
T5508D	391
T55-GA-714A	391
T55-GA-715B	391
T55-K-712	392
T55-L-5	392
T55-L-7	392
T55-L-7B	392
T55-L-7C	393
T55-L-11A	393
T55-L-11C	393
T55-L-11D	394
T55-L-11E	394
T55-L-712	394
T55-L-712E	395
T55-L-712F	395
T55-L-714	395
T55-L-714A	396
T56 Series I	396
T56 Series II	396
T56 Series III	396
T56 Series IV	396
T56-A-1	396
T56-A-3	396
T56-A-4	397
T56-A-5	397

T56-A-7	397
T56-A-7A	397
T56-A-8A	398
T56-A-8B	398
T56-A-9	398
T56-A-10W	398
T56-A-10WA	399
T56-A-11	399
T56-A-14	399
T56-A-14LFE	400
T56-A-15	400
T56-A-15LFE	400
T56-A-16	401
T56-A-17	401
T56-A-18	401
T56-A-422	402
T56-A-423	402
T56-A-425	402
T56-A-427	403
T56-A-427A	403
T56-IHI-14	403
T57-P-1	404
T58-GE-1	404
T58-GE-2	404
T58-GE-3	404
T58-GE-5	405
T58-GE-6	405
T58-GE-8B	405
T58-GE-8E	405
T58-GE-8F	406
T58-GE-10	406
T58-GE-16	406
T58-GE-16A	407
T58-GE-100	407
T58-GE-400B	407
T58-GE-402	408
T62-S	408
T-62T-11	408
T-62T-11A	408
T-62T-16B	409
T-62T-16B1	409
T-62T-27	409
T-62T-2A1	409

T-62T-2B	410
T-62T-40-1	410
T-62T-40-1	410
T-62T-40-7	410
T-62T-40-8	411
T-62T-40-C7EH	411
T-62T-40LC-2	411
T-62T-43	411
T-62T-46-2	411
T-62T-46C14	412
T-62T-46-C16	412
T-62T-46LC-1	412
T-62T-46LC-2	413
T-62T-47C3P	413
T63-A-1	413
T63-A-5	413
T63-A-5A	414
T63-A-100	414
T63-A-700	414
T63-A-701	415
T63-A-720	415
T64/P4D	415
T64/T4C2	415
T64-GE-1	416
T64-GE-3	416
T64-GE-4	416
T64-GE-5	417
T64-GE-6	417
T64-GE-6B	417
T64-GE-7	417
T64-GE-7A	417
T64-GE-8	418
T64-GE-10	418
T64-GE-12	418
T64-GE-16	419
T64-GE-16A	419
T64-GE-100	419
T64-GE-412	420
T64-GE-413	420
T64-GE-413A	420
T64-GE-415	421
T64-GE-416	421
T64-GE-416A	421

T64-GE-417	421
T64-GE-419	422
T64-GE-716	422
T64-GE-P4C	422
T64-GE-P4D	423
T64-GE-P4D-1	423
T64-GE-S4D-1	423
T64-GE-T4C-2	423
T64-IHI-10	424
T64-IHI-10J	424
T64-MTU-7	424
T64-MTU-100	424
T65-T-1	425
T67-T-1	425
T72-T	425
T73-P-1	425
T73-P-700	426
T74-CP-8	426
T74-CP-10	426
T74-CP-12	427
T74-CP-14	427
T74-CP-700	427
T74-CP-702	427
T76-G-10	427
T76-G-12	428
T76-G-410	428
T76-G-411	428
T76-G-416	429
T76-G-417	429
T76-G-420	429
T76-G-421	430
T101-CP-100	430
T112	430
T312	431
T400-CP-400	431
T400-CP-401	431
T400-WV-402	432
T406-AD-400	432
T407-GE-400	432
T700-GE-401	433
T700-GE-401C	433
T700-GE-700	433
T700-GE-701	434

T700-GE-701A	434
T700-GE-701C	434
T700-GE-701D	435
T700-GE-701K	435
T700-GE-T6A	435
T700-GE-T6A1	436
T700-GE-T6C	436
T700-GE-T6E	436
T700-GE-T6E1	437
T700-IHI-401C	437
T701-A-401	437
T701-A-401X	438
T702-LD-400	438
T703-AD-700	438
T800-5	438
T800-APW-800	438
T800-LHT-800	439
T800-LHT-801	439
T800-LHT-802	440
TA-4FE	440
TA-6A	440
TA-6V	440
TA-8	440
TA-8K	441
TA-8V	441
TA-12	441
TA-12-60	441
TA-14	441
TA-14-031	442
TA-14-130	442
TA-14-130-35	442
TA-18-100	443
TA-18-200	443
TAA230	443
Titan T-62T	444
TM251	444
TM319-1	444
TM319-2	444
TM333-1A	445
TM333-1M	445
TM333-2B	445
TM333-2B2	446
TM333-2E	446

TM333-2M2	446
TM333B	447
TP319	447
TP400-D6	447
TP-500E	448
TPE331 Series I	448
TPE331 Series II	448
TPE331-1	448
TPE331-1-100F	449
TPE331-1-101	449
TPE331-1-101B	450
TPE331-1-101E	450
TPE331-1-101F	450
TPE331-1-101Z	451
TPE331-1-151A	451
TPE331-1-151G	451
TPE331-1-151K	452
TPE331-1-151Z	452
TPE331-1U	452
TPE331-1UA	453
TPE331-2-201A	453
TPE331-2-201C	454
TPE331-2-251A	454
TPE331-2U-201A	454
TPE331-2UA-203D	455
TPE331-3-301	455
TPE331-3-303	455
TPE331-3A-301W	456
TPE331-3U-303G	456
TPE331-3U-303N	456
TPE331-3U-303V	457
TPE331-3U-304G	457
TPE331-3UW-304G	457
TPE331-3W-301A	458
TPE331-3W-304G	458
TPE331-5-251C	458
TPE331-5-252C	459
TPE331-5-252D	459
TPE331-5-252K	460
TPE331-5-252M	460
TPE331-5-254K	460
TPE331-5-255K	461
TPE331-5A-252D	461

TPE331-5AB-252D	462
TPE331-5B-252D	462
TPE331-5U	462
TPE331-6-251M	463
TPE331-6-252B	463
TPE331-6-252L	464
TPE331-6-252M	464
TPE331-6-252T	464
TPE331-6-253B	465
TPE331-6A-251M	465
TPE331-6A-252M	466
TPE331-6U	466
TPE331-8-401S	466
TPE331-8-402S	467
TPE331-8-422S	467
TPE331-8A	467
TPE331-9-??S	468
TPE331-9U	468
TPE331-10	468
TPE331-10-501C	469
TPE331-10-501K	469
TPE331-10-501M	470
TPE331-10-511K	470
TPE331-10-511M	470
TPE331-10A	471
TPE331-10AV-511B	471
TPE331-10AV-511KA	471
TPE331-10AV-511M	472
TPE331-10B	472
TPE331-10G-511D	472
TPE331-10GP	473
TPE331-10GR	473
TPE331-10GT-511D	473
TPE331-10J	474
TPE331-10N-511S	474
TPE331-10N-512S	474
TPE331-10N-513S	475
TPE331-10N-514S	475
TPE331-10N-515S	475
TPE331-10N-531S	476
TPE331-10N-532S	476
TPE331-10N-533S	476
TPE331-10N-534S	477

TPE331-10N-535S	477
TPE331-10P-511D	478
TPE331-10R	478
TPE331-10R-501C	478
TPE331-10R-502C	479
TPE331-10R-511C	479
TPE331-10R-512C	479
TPE331-10R-513C	480
TPE331-10T	480
TPE331-10T-511D	481
TPE331-10T-511K	481
TPE331-10T-511M	481
TPE331-10T-512K	482
TPE331-10T-513K	482
TPE331-10T-515K	483
TPE331-10T-516K	483
TPE331-10T-517K	483
TPE331-10U-501G	484
TPE331-10U-502G	484
TPE331-10U-503G	484
TPE331-10U-511G	485
TPE331-10U-512G	485
TPE331-10U-513G	486
TPE331-10UA-511G	486
TPE331-10UF	486
TPE331-10UF-501H	487
TPE331-10UF-511H	487
TPE331-10UF-512H	487
TPE331-10UF-513H	488
TPE331-10UF-514H	488
TPE331-10UF-515H	489
TPE331-10UF-516H	489
TPE331-10UG-513H	489
TPE331-10UG-514H	490
TPE331-10UG-515H	490
TPE331-10UG-516H	490
TPE331-10UGR-513H	491
TPE331-10UGR-514H	491
TPE331-10UGR-515H	491
TPE331-10UGR-516H	492
TPE331-10UJ	492
TPE331-10UK	492
TPE331-10UR-513H	493

TPE331-11	493
TPE331-11-601W	494
TPE331-11U-601G	494
TPE331-11U-602G	494
TPE331-11U-611G	495
TPE331-11U-612G	495
TPE331-11UA	495
TPE331-12	496
TPE331-12B	496
TPE331-12B-701A	496
TPE331-12JR-701C	497
TPE331-12JR-701S	497
TPE331-12U-701G	498
TPE331-12UA-701G	498
TPE331-12UA-701H	498
TPE331-12UAR-701G	499
TPE331-12UER	499
TPE331-12UH-701G	499
TPE331-12UHR-701G	500
TPE331-12UHR-701H	500
TPE331-14	500
TPE331-14A	501
TPE331-14A-801Z	501
TPE331-14B	502
TPE331-14F-801L	502
TPE331-14G	502
TPE331-14GR-801E	503
TPE331-14GR-801H	503
TPE331-14GR-802H	504
TPE331-14GR-805H	504
TPE331-14H	504
TPE331-14HR-801E	505
TPE331-14HR-801H	505
TPE331-14HR-802H	506
TPE331-14HR-805H	506
TPE331-14UA	506
TPE331-14UB-801G	507
TPE331-15A	507
TPE331-15AW	507
TPE331-25	508
TPE331-25A	508
TPE331-25AA	509
TPE331-25AB	509

TPE331-25B	509
TPE331-25C	510
TPE331-25D	510
TPE331-25DA	510
TPE331-25DB	511
TPE331-25E	511
TPE331-25F	511
TPE331-25FA	512
TPE331-25/61	512
TPE331-25/71	512
TPE331-29	513
TPE331-29A	513
TPE331-43	513
TPE331-43A	514
TPE331-43B	514
TPE331-45	514
TPE331-47	515
TPE331-47A	515
TPE331-47B	515
TPE331-49	516
TPE331-51	516
TPE331-55	516
TPE331-55A	516
TPE331-55B	517
TPE331-57	517
TPE331-57B	517
TPE331-61	518
TPE331-61A	518
TPE331-71	518
TPF351-20	519
TS1-M-10	519
TS325-1	519
TSE231-P2400	519
TSE331-1	519
TSE331-3U-303N	520
TSE331-10UA-511SW	520
TSE36-1	520
Turbine Pac 780-1000-1	521
Turmastazou XIV	521
Turmastazou XVI	521
Turmo IIC	522
Turmo IIC2	522
Turmo IIC3	522

Turmo IIIC4	523
Turmo IIIC5	523
Turmo IIIC6	523
Turmo IIIC7	524
Turmo IIID	524
Turmo IIID3	524
Turmo IIIE	525
Turmo IIIE3	525
Turmo IIIE6	525
Turmo IVA	526
Turmo IVB	526
Turmo IVC	526
Turmo VI	527
Turmo X	527
Turmo XVI	527
TV-2BM	527
TV-116-300	527
TV-128-300	527
TV2-117	528
TV2-117A	528
TV2-117AG	528
TV2-117F	529
TV2-117TG	529
TV3-117	529
TV3-117B	530
TV3-117BK	530
TV3-117KM	530
TV3-117M	531
TV3-117MT	531
TV3-117V	531
TV3-117VK	532
TV3-117VM	532
TV3-117VM-02	532
TV3-117VMA	533
TV3-117VMA-02	533
TV3-117VMA-03	534
TV3-117VMA-F	534
TV3-117VMAR	534
TV3-117VMA-S	535
TV3-117VMA-SB2	535
TV3-117VMA-SB3	536
TV3-117VMA-SBM1	536
TV3-117VMA-SBM2	536

TV7-117	536
TV7-117C	536
TV7-117E	537
TV7-117K	537
TV7-117M	537
TV7-117S	538
TV7-117S Series 2	538
TV7-117SD	538
TV7-117SM	539
TV7-117ST	539
TV7-117SV	539
TV7-117V	540
TV7-117VK	540
TV7-117VM	540
TVA-3000/120	541
TVA-3000/127	541
TVD-10A	541
TVD-10B	541
TVD-10BA	541
TVD-10M	542
TVD-20	542
TVD-20-01	542
TVD-20-03	543
TVD-20M	543
TVD-20V	543
TV-D-100	544
TVD-150	544
TVD-400A	544
TVD-450	544
TVD-850	545
TVD-1500	545
TVD-1500A	545
TVD-1500B	546
TVD-1500S	546
TVD-1500SKh	546
TVD-1500T	547
TVD-1500V	547
TV-O-100	547
TWD-10B	547
TWD-10W	548
Tyne RTy.1 Mk.506	548
Tyne RTy.11 Mk.512	548
Tyne RTy.12 Mk.101	549

Tyne RTy.12 Mk.515	549
Tyne RTy.12 Mk.515/10	549
Tyne RTy.12 Mk.515/101W	550
Tyne RTy.12 Mk.515W	550
Tyne RTy.12 Mk.522	551
Tyne RTy.20 Mk.21	551
Tyne RTy.20 Mk.22	551
Tyne RTy.20 Mk.801	552
VK-100	552
VK-150	552
VK-800S	552
VK-800V	553
VK-1500	553
VK-1500V	553
VK-1500VK	554
VK-1500VM	554
VK-2500	554
VK-3000	555
VK-3500	555
WJ5	556
WJ5A	556
WJ5AI	556
WJ5AIG	557
WJ5E	557
Wolston 1S/90	557
WR34-15	557
WTS34-16	558
WTS117	558
WZ5	558
WZ6	558
WZ8	559
WZ8D	559
XRK206S	559
XT31-GE-1	559
XT31-GE-2	560
XT37-NA-1	560
XT37-NA-3	560
XT38-A-5	560
XT40-A-2	560
XT40-A-4	561
XT50-BO-1	561
XT51-T-1	561
XT51-T-3	561

XT67-T-1	561
XTS1	561
XTS1-10	562
YT34-P-1	562
YT38-A-10	562
YT40-A-6	562
YT40-A-10	563
YT40-A-14	563
YT49-W-1	563
YT55-L-9	563
YT58-GE-8D	563
YT64-GE-4	564
YT702-LD-700	564
3 Engines listed in order of power	565
Bibliography	605
Index	624