

ECCAIRS 4.2.6

Data Definition Standard

Engines

The ECCAIRS 4 engines are based on ICAO's ADREP 2000 taxonomy. They have been organised at two hierarchical levels.

0100	ALLISON USA	0713 T53 FAMILY
	0101 250 FAMILY	0714 55 FAMILY
	0102 501 FAMILY	0715 580 FAMILY
	0103 GMA 2100	0716 720 FAMILY
	0104 GMA 3007	0717 ALF 502 SERIES
	0105 V-1710	0718 LF 507 SERIES
	0106 T56 FAMILY	0719 LTC 1B
	0107 T63 FAMILY	0720 LTP FAMILY
	0198 Other	0721 LTS FAMILY
	0199 Unknown	0722 R 530
0200	ALLIED SIGNAL	0723 R 680
	0201 LF 507	0798 Other
	0298 Other	0799 Unknown
	0299 Unknown	
0300	OMSK - MARS	0800 BRISTOL
	0301 TVD-10	0801 ORPHEUS 700 FAMILY
	0302 TVD-20	0804 GIPSY MAJOR
	0398 Other	0898 Other
	0399 Unknown	0899 Unknown
0400	ALVIS	0900 BMW/RR
	0401 LEONIDES	0901 710 SERIES
	0498 Other	0902 715 SERIES
	0499 Unknown	0903 720 SERIES
0500	MOTORLET	0904 132A3
	0501 M-601	0998 Other
	0598 Other	0999 Unknown
	0599 Unknown	
0600	AVIA	1000 CMF INTERNATIONAL
	0601 M-108	1001 CFM 56
	0602 M-110	1098 Other
	0603 M-137	1099 Unknown
	0604 M-150	
	0605 M-332	1100 CFE COMPANY
	0606 M-337	1101 CFE738
	0607 M-462	1198 Other
	0608 MINOR 4	1199 Unknown
	0609 MINOR 6	
	0698 Other	1200 Thielert
	0699 Unknown	1201 Centurion 1.7 (TAE 125)
0700	AVCO LYCOMING USA	<i>Centurion 1.7 formerly know</i>
	0701 145 FAMILY	<i>The CENTURION 1.7 is a 4</i>
	0702 233 FAMILY	<i>rail direct injection. It is turb</i>
	0703 235 FAMILY	<i>electronical control unit. The</i>
	0704 290 FAMILY	<i>Technical Data</i>
	0705 320 FAMILY	<i>Engine displacement 1689</i>
	0706 340 FAMILY	<i>Take off power (at 2300 rpr</i>
	0707 350 FAMILY	<i>Constant power available n</i>
	0708 360 FAMILY	<i>Torque 410 Nm 302 lbf.ft</i>
	0709 435 FAMILY	<i>Torque at BEP 340 Nm 251</i>
	0710 480 FAMILY	<i>Bore 80 mm 3.15 in</i>
	0711 53 FAMILY	<i>Stroke 84 mm 3.31 in</i>
	0712 540 FAMILY	<i>Compression ratio 18:1</i>
		<i>Fuel Jet A1 and diesel in ar</i>
		<i>Consumption 15 - 20 l/hr 4</i>
		<i>Prop MT-Propeller with hya</i>
		<i>Voltage Alternator 14 V opt</i>
		<i>Specific fuel consumption a</i>

	1202	Centurion 4.0 <i>The CENTURION 4.0 is a fuel common-rail direct injection, sump as well as an integrated through use of a digital engine.</i> <i>Technical Data</i> <i>Take off power (at 2300 rpm)</i> <i>Torque: 946 Nm (698 lbf.ft)</i> <i>Constant power: available 1</i> <i>Torque at BEP: 888 Nm (50</i> <i>Engine swept volume: 399</i> <i>Bore: 86 mm (3.39 in)</i> <i>Stroke: 86 mm (3.39 in)</i> <i>Compression ratio: 18.5:1</i>	2200	GENERAL ELECTRIC USA	
				2201	CF 700 SERIES
				2202	CF34
				2203	CF6 SERIES
				2204	CJ 610 SERIES
				2205	CJ 805 SERIES
				2206	CT 58 SERIES
				2207	CT 64 SERIES
				2208	CT 7 SERIES
				2209	GE90 SERIES
				2210	J-79 SERIES
				2298	Other
				2299	Unknown
1300	CONTINENTAL (TELEDYNE) USA		2300	INTERNATIONAL AERO ENGINE	
	1301	200 FAMILY		2301	V2500
	1302	300 FAMILY		2398	Other
	1303	346 FAMILY		2399	Unknown
	1304	360 FAMILY			
	1305	470 FAMILY	2400	ISOTOV	
	1306	520 FAMILY		2401	TV 2 SERIES
	1307	526 FAMILY		2402	TV 3 SERIES
	1308	550 FAMILY		2498	Other
	1309	670 FAMILY		2499	Unknown
	1310	A 65 SERIES			
	1311	A-50 SERIES	2500	IVCHENKO, USSR	
	1312	C 145 SERIES		2501	AI-20
	1313	C 75/85 SERIES		2502	AI-24
	1314	TIARA		2503	AI-25
	1398	Other		2598	Other
	1399	Unknown		2599	Unknown
1600	CURTISS-WRIGHT		2700	KLIMOV	
	1601	1820 FAMILY		2701	TV2-117
	1602	C14 FAMILY		2702	TV3-117
	1603	C18 FAMILY		2703	TV7-117
	1604	C9 FAMILY		2798	Other
	1605	R 760 FAMILY		2799	Unknown
	1606	R 1300 SERIES			
	1607	R 2600 SERIES	2800	KUZNETSOV	
	1608	R 3350 SERIES		2801	NK8-2
	1609	R 975 SERIES		2802	NK86
	1698	Other		2803	NK8-4
	1699	Unknown		2804	NK12M
1800	FRANKLIN			2898	Other
	1801	6A SERIES		2899	Unknown
	1804	6V SERIES	2900	LOTAREV	
	1898	Other		2901	AI-20
	1899	Unknown		2902	AI-24
1900	GARRET AIRESEARCH			2903	D-27
	1901	TFE 731 SERIES		2904	D-36
	1902	TPE 331 FAMILY		2905	AI-25
	1903	TSE 36		2906	D-436
	1904	TPF 351 SERIES		2907	D-18T
	1905	ATF3-6		2998	Other
	1998	Other		2999	Unknown
	1999	Unknown			

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3000	PORSCHE		3704	GAZELLE
	3001 930		3705	GEM
	3002 3200		3706	GNOME
	3003 678		3707	GYPSY-QUEEN
	3098 Other		3708	HERCULES
	3099 Unknown		3709	M45H
3100	PRATT & WHITNEY (CANADA)		3710	NIMBUS
	3101 JT15		3711	OLYMPUS
	3102 PT-6 FAMILY		3712	PROTEUS
	3103 PT-6-3 (TWIN PACK)		3713	RB 211
	3104 PW100 FAMILY		3714	RB162
	3105 PW200 FAMILY		3715	RB183
	3106 PW300 FAMILY		3716	SPEY
	3107 PW400 FAMILY		3717	TAY
	3108 PW500 FAMILY		3718	TYNE
	3109 JT12		3719	VIPER
	3198 Other		3720	TRENT
	3199 Unknown		3721	V1650 (MERLIN)
3400	PRATT & WHITNEY, USA		3798	Other
	3401 JT-12	3800	3799	Unknown
	3402 JT-3			
	3403 JT-4			
	3404 JT-6			
	3405 JT-8			
	3406 JT-9			
	3407 R 1340			
	3408 R 1800			
	3409 R 2000			
	3410 R 2800			
	3411 R 985			
	3412 R 1830			
	3414 R 4360			
	3415 PW 4000			
	3416 PW 2000			
	3498 Other			
	3499 Unknown			
3600	PZL			
	3601 AI-14 FAMILY	3800	ROTAX	
	3602 ASZ-62R FAMILY		3801	447
	3603 F2 FAMILY		3802	462
	3604 F4 FAMILY		3804	503
	3605 F6 FAMILY		3805	582
	3606 GTD 350 FAMILY		3806	618
	3607 SO1/SO3 FAMILY		3807	912
	3608 TVD-10B		3808	914
	3609 TVD-10W		3809	501
	3610 3S FAMILY		3810	505
	3629 K-9		3811	532
	3698 Other		3812	535
	3699 Unknown		3898	Other
			3899	Unknown
		3900	RZESZOW	
			3901	TVD-10
			3998	Other
			3999	Unknown
		4000	SOLIEV	
			4001	D30
			4002	D25
			4003	D90
			4098	Other
			4099	Unknown
		4100	SOLO	
			4101	2350
			4102	560
			4198	Other
			4199	Unknown
		4300	TURBOMECA, FRANCE	
3700	ROLLS-ROYCE		4301	ARRIEL
	3701 AVON		4302	ARTOUSTE
	3702 CONWAY		4303	ASTAZOU TURBOPROP
	3703 DART		4304	ASTAZOU TURBOSHAFT

	4305	BASTAN	5298	Other		
	4306	BI-BASTAN	5299	Unknown		
	4307	MAKILA	5300	LIMBACH		
	4308	MARBORE				
	4309	TURMO TURBOPROP				
	4310	TURMO TURBOSHAFT				
	4311	LAZARC				
	4312	ARRIUS				
		ARRIUS				
	4334	TM 319				
	4335	TP 319				
	4336	TM 333				
	4398	Other				
	4399	Unknown				
4500	WALTER					
	4501	M601 FAMILY				
	4598	Other				
	4599	Unknown				
4600	WILLIAMS					
	4601	FJ44				
	4698	Other				
	4699	Unknown				
4900	ZMKB PROGRESS					
	4901	D-27				
	4903	AI-20				
	4904	AI-24				
	4905	AI-25				
	4906	D-36				
	4907	D-436				
	4908	D-18T				
	4998	Other				
	4999	Unknown				
5000	SAUER					
	5001	1800 SERIES				
	5002	SA 2100				
	5003	SD 2500				
	5004	SM 2700				
	5098	Other				
	5099	Unknown				
5100	HIRTH					
	5101	F23				
	5102	F30				
	5103	F31				
	5104	F33				
	5105	270X SERIES				
	5106	370X SERIES				
	5107	F10				
	5108	F20				
	5198	Other				
	5199	Unknown				
5200	NOEL PENNY TURBINES					
	5201	NPT 301				
	5202	NPT 754				