

## TURBINE DIRECTORY

### TURBOPROPS continued

Manufacturer	Engine	Power (kW)	sfc (ug/J)	Dimensions		Configuration					Application
				length	diameter	1	2	3	4	5	
General Electric	CT7-9	1,300	80.6	2.44	0.74	(6)	2	2	-	-	Saab 340, CASA/IPTN CN-235, Let-L610G
General Electric	T64/P4D	2,540	81.7	2.79	1.03	(14)		(2)	2		Alenia G-222
General Electric/Lycoming	GLC38	3,470	69.2	1.55	0.83	(6)		(2)	3		-
Motorlet	M601Z	380	132	1.67	0.59	(3)		1	1	-	Zlin 37T Agro Turbo
Motorlet	M602	1,360	95.8	2.56	0.75	1	1	1	1	2	Let L-610M
Pratt & Whitney Canada	PT6A-25C	410	106.4	1.57	0.48	(4)		1	1	-	Embraer Tucano
Pratt & Whitney Canada	PT6A-67	895	92.4	1.88	0.48	(5)		1	2	-	Beech C-12
Pratt & Whitney Canada	PW120A	1,080	79	2.06	0.63	(2)		1	1	2	de Havilland Dash 8
Pratt & Whitney Canada	PW118	1,700	80.2	2.06	0.63	(2)		1	1	2	de Havilland Dash 8
Pratt & Whitney Canada	PW121	1,862	79.7	2.06	0.63	(2)		1	1	2	de Havilland Dash 8, ATR 42
Pratt & Whitney Canada	PW119B	1,990	79.5	2.06	0.63	(2)		1	1	2	Dornier 328
Pratt & Whitney Canada	PW123	2,200	76.7	2.06	0.84	(2)		1	1	2	de Havilland Dash 8
Pratt & Whitney Canada	PW124B	2,200	76.7	2.06	0.84	(2)		1	1	2	BAe Jetstream 61
Pratt & Whitney Canada	PW125B	2,200	76.7	2.06	0.84	(2)		1	1	2	Fokker 50
Pratt & Whitney Canada	PW126A	2,310	77	2.06	0.84	(2)		1	1	2	BAe ATP
Pratt & Whitney Canada	PW127	2,460	75.8	2.06	0.84	(2)		1	1	2	ATR 72
Rolls-Royce/Snecma/MTU	Tyne Mk21/22	4,550	-	2.76	1.1	(2)		1	3	-	Dassault ATL-2, Transall C.160
SMPMC	WJ6A	3.39	-	3.1	0.84	-	-	-	-	-	SAC Y-8
Lextron Lycoming	LTP101-600	462	92.9	0.91	0.53	-	-	-	-	-	Various
Turboméca	Arrius	315	-	0.82	0.47	-	1	1	1	-	Various
Zhuzhou	WJ9	507	-	-	-	-	2	2	1	-	HAMC Y-12
ZMKB Progress	AT-20D	3,800	-	3.1	0.84	-	-	10	3	-	Various

Power is at take-off; sfc (specific fuel consumption) is at take-off power; configuration: 1 = low-pressure compressor; 2 = high-pressure compressor; 3 = high-pressure turbine; 4 = low pressure turbine; 5 = power turbine; where figure is given in brackets, this indicates the total number of compressor and/or turbine stages.

### TURBOSHAFTS

Manufacturer	Engine	Power (kW)	sfc (ug/J)	Dimensions (m)		Configuration					Application
				length	diameter	1	2	3	4	5	
Allison	250-C20	313	109.8	0.98	0.48	6	1	(2)	2		Various
Allison	250-C28	375	102.4	1.02	0.55	-	1	(2)	2		Eurocopter BO.105, Bell 206L
Allison	250-C30/T703	485	100	1.04	0.55	-	1	(2)	2		Various
Allison	T406-400	4,590	70.9	1.52	0.59	(14)		2	2	-	Bell Boeing V-22
Changzhou	WZ6	1,150	-	-	-	1	1	2	1	-	CAF Z-8
General Electric	T700-401/701C	1,410	78	1.17	0.64	5	1	(2)	2		Various
General Electric	CT7-6	1,490	82.8	1.17	0.74	(6)		(2)	2		Bell 214ST, Sikorsky S-70, EH Industries EH101
General Electric	T64-419	3,540	80	2	0.5	(14)		(2)	2		Sikorsky CH/MH-53-E
General Electric	GLC38/T407	4,790	64.2	1.55	0.83	5	1	(2)	3		Offered for Boeing CH-47 Enhanced
Klimov	TV3-117V	1,660	96.3	2.08	0.64	(10)		(2)	2		Various
Klimov	TV7-117	1,870	-	2.14	0.88	5	1	(2)	2		Mil Mi-38
LHTEC	T800-800	924	76.7	0.85	0.55	(2)		(2)	2		Offered for Bell UH-1 re-engining
LHTEC	T800-801	1,080	78.4	0.85	0.55	(2)		(2)	2		Boeing/Sikorsky RAH-66 Comanche
MTU/Turboméca/R-R	MTR390	960	76	1.08	0.44	(2)		1	2	-	Eurocopter Tiger
Pratt & Whitney Canada	PW206A	477	91.7	0.91	0.5	(1)		(1)	1		MDC Explorer and Eurocopter EC.135
Pratt & Whitney Canada	PW206B	422	94.4	1.04	0.5	(1)		(1)	1		Eurocopter EC.135
Pratt & Whitney Canada	PT6B-35H	670	94.4	1.52	0.62	3	1	1	1	-	Aerospatiale Lama, Alouette III re-engining
Pratt & Whitney Canada	PT6B-36B	730	98.1	1.5	0.49	3	1	1	1	-	Sikorsky S-76B
Pratt & Whitney Canada	PT6T-3	1,340	100.5	1.67	1.1	3	1	1	1	-	Bell 212, Agusta-Bell Sikorsky S-58T
Pratt & Whitney Canada	PT6T-3BE	1,340	101.4	1.67	1.1	2xPT6B	-	-	-	-	Bell 212, 412
Pratt & Whitney Canada	PT6T-3B	1,340	101.4	1.67	1.1	3	1	1	1	-	Bell 212, 412SP, Agusta-Bell 212, 412SP
Pratt & Whitney Canada	PT6T-3D	1,428	100.5	1.67	1.1	3	1	1	1	-	Bell 412HP
Pratt & Whitney Canada	PT6T-6/6B	1,470	99.8	1.67	1.1	2xPT6B	-	-	-	-	Bell 412, Sikorsky S-58T
WSK-PZL Rzeszow	GTD-350	300	136	1.39	0.52	-	8	1	2	-	PZL Mi-2 Hoplite
WSK-PZL Rzeszow	PZL-10W	660	97.1	1.88	0.74	-	7	2	1	-	PZL W-3 Sokol
RKBM/Rybink	TVD-1500	970	63.2	1.25	0.76	-	-	4	2	2	Kamov Ka-62
Rolls-Royce	Gem 42	835	109	1.1	0.57	4	1	1	1	2	Westland W30
Rolls-Royce	Gem 60	1,000	103	1.1	0.57	4	1	1	1	2	Westland Lynx
Rolls-Royce	Gem 2 Mk1004	705	-	1.1	0.57	4	1	1	1	2	Agusta A.129
Rolls-Royce	Gnome 1400	1,240	102	1.39	0.56	(10)		(2)	2		Westland Sea King
Rolls-Royce Turboméca	RTM322	1,720	76	1.17	0.64	3	1	(2)	2		EH Industries EH101
Textron Lycoming	LTS101-750C	510	97.5	0.79	0.57	-	2	1	1	-	Bell 222
Textron Lycoming	T53-703/T5317A	1,110	101.4	1.21	0.47	-	6	2	2	-	Bell AH-1S
Textron Lycoming	T55-712	2,800	89.5	1.18	0.61	-	8	2	2	-	Boeing CH-47D, MH-47E
Turboméca	Arriel 1C1	520	96.8	1.09	0.42	-	2	2	1	-	Eurocopter AS.365N, Agusta AO.109K, Sikorsky S-76
Turboméca	TM333-2B	-	89.4	0.53	1.05	0.45	3	1	1	-	Hindustan Aeronautics ALH
Turboméca	Makilia 1A1	1,400	-	1.4	0.51	-	-	4	2	2	Eurocopter AS.332
ZMKB Progress	D-136	8,490	110.8	2.72	-	-	7	1	1	-	Mil Mi-26

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