

Directory: military engines

Model (Inc submodel)	Max thrust dry (lb)	Max thrust reheat (lb)	Power max(SL) (shp)	Weight (kg)	Length (m)	Fan diameter (m)	Pressure ratio	Notes/description
at a 2,235kW replacement for the T700 and dovetails with the long-running Joint Turbine Advanced Gas Generator studies. Older T58 engines powering Boeing CH-46E Sea Knights are to receive new core modules under a \$200 million upgrade. The T700 was selected by the Japanese Defence Agency over the RTM322 to power 60 or more Boeing AH-64D Apache Longbow helicopters for delivery from 2005.								
F404								
F404-100D	11,000	-	-	-	2.26	0.89	-	Turbofan. Singapore air force A-4SU
F404-F1D2	10,600	-	-	785	2.26	0.89	24	Turbofan. Lockheed F-117A
F404-400	-	16,500	-	-	4.03	0.89	-	Turbofan. Boeing F-18C/D
F404-402	11,900	17,800	-	1,036	4.04	0.89	27	Turbofan. F/A-18C/D
F414								
F414-400	14,000	22,000	-	-	3.91	0.78	-	Turbofan. Boeing F/A-18E/F
F118								
F118-100/-101	17,000	-	-	1,452	2.55	1.18	32.2	Turbofan. 100 powers Northrop B-2, -101 powers Lockheed Martin U-2S
F110								
F110-100	17,500	28,000	-	1,779	4.62	1.18	30.4	Turbofan. Lockheed Martin F-16C/D; -100B incorporates digital controls and turbine upgrades
F110-400	16,089	26,741	-	-	5.9	1.18	-	Turbofan. Re-engined Grumman F-14B/D
F110-129	17,000	29,000	-	-	4.62	1.18	-	Turbofan. F-16C/D, Mitsubishi F-2, Boeing F-15E
F110-132	-	32,000	-	1,838	4.64	-	33.3	Turbofan. F-16C/D
F136	-	40,000	-	-	-	-	-	Turbofan. Lockheed Martin F-35 JSF
CF6								
CF6-80C2	61,300	-	-	4,147	4.08	2.38	30.4	Turbofan. Boeing 767 AWACS. 80C2LIF for C-5 upgrade
T64								
T64-P4D	-	-	3,403	-	2.8	0.33	-	Turboprop. Alenia G222. USAF C-27A
T64-416/-416A	-	-	4,379	-	1.97	0.5	-	Turboshaft. Sikorsky CH/MH-53E, S-80M CH/MH-53E
T700								
T700-700	-	-	1,691	198	1.19	0.64	17	Turboshaft. Sikorsky UH-60A, EH-60A, MH-60G
T700-701A	-	-	1,725	198	1.19	0.64	17	Turboshaft. Sikorsky S-70A, S-70C
T700-701C	-	-	1,941	207	1.19	0.64	18	Turboshaft. Boeing AH-64, Sikorsky UH-60L
T700-401	-	-	1,699	200	1.19	0.64	17	Turboshaft. Bell AH-1W, Kaman SH-2G, Sikorsky VH-60
T700-401C	-	-	1,801	208	1.19	0.64	18	Turboshaft. Sikorsky HH-60H, HH-60J, SH-60B/F
T700-701	-	-	1,699	198	1.19	0.64	17	Turboshaft. Boeing AH-64A
T700-T6A	-	-	2,001	220	1.22	0.64	18	Turboshaft. EH Industries EH101
T700-T6E	-	-	2,256	241	1.23	0.64	19	Turboshaft. NH Industries NH90

HONEYWELL

On its own again after last year's abortive merger attempt with GE, Honeywell's military turboshaft business has received a boost thanks to its long association with the Boeing CH-47 Chinook. The company is putting the T55 back into production following the US Army's decision to replace -712s in its CH-47Ds with the more powerful T55-714. With attrition of the CH-47 fleet, now numbering around 450, the potential value of the work is \$1.1 billion over eight years.

Honeywell also received an \$80 million contract from the UK to support the Royal Air Force's T55-712/714-powered Chinook HC2/2A/3s. It is also producing T53-703 upgrade kits for the Bell UH-1 Huey II. The company is also busy in other military ventures through its collaborative programmes on the T800 turboshaft with Rolls-Royce (see LHTEC), and the F124/125 turbofan family with AIDC (see ITEC).

TPE331

TPE331-12	-	-	1,021	190	1.11	-	10.8	Turboprop. -12S powers Shorts Tucano
T55								
T55 L-714/714A	-	-	4,871	378	1.18	0.61	9.3	Turboshaft. Boeing MH-47E; Boeing Improved Chinook helicopter
T55 L712/L712 SSB	-	-	3,753	340	1.18	0.61	8.2	Turboshaft. Boeing CH-47D; 3,284kW T55-71255
T53								
T53 L-13B	-	-	1,401	247	1.21	-	8	Turboshaft. UH-1 Huey
T53 L-703	-	-	1,499	247	1.21	0.47	8	Turboshaft. AH-1F Cobra, re-engined UH-1HP Huey II 7125S/SB5B also powers CH-47D
T53 17A-1	-	-	1,500	-	-	-	-	Turboshaft.
LTS101								
LTS101-750B	-	-	685	123	0.79	-	8.8	Turboshaft. -750B-1 powers Eurocopter/Kawasaki BK-117B; -750B-2 powers AS366/HH-65A Dolphin