

## Engine specification

Engine	M250-C20B/T63-A-720	M250-C20R Series	M250-C30 Series	M250-C47 / M250-C30R/3 Series
Power shp (kW)	420 (313)	450 (336)	650 (485)	651 (485)
Pressure ratio	7.1	7.3	8.6	9.2
Length in (m)	40.809 (1.037)	40.809 (1.037)	42.949 (1.091)	42.949 (1.091)
Diameter in (m)	23.196 (0.589)	23.196 (0.589)	24.810 (0.630)	24.810 (0.630)
Basic weight lb (Kg)	161 (73)	173 (78.5)	248 (112.5)	274 (124)
Compressor	6A + 1CF	4A + 1CF	1CF	1CF
Turbine	2HP, 2PT	2HP, 2PT	2HP, 2PT	2HP, 2PT
Applications include	Bell 206, Bell 407, Bell 430, MD500, MD520N, MD530, MD600, Sikorsky 333 & 434, Kiowa Warrior OH-58D, Boeing AH/MH-6, Enstrom 480B, GBA Hawk 4T, Kamov Ka-226, PZL SW-4, Northrop Grumman RQ-8A Fire Scout			

Trusted to deliver excellence



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## M250 turboshaft Powering the world's light helicopters





Powering the world's light helicopters

# M250 turboshaft

The Rolls-Royce M250® engine is the leading powerplant in its class worldwide. First certified at a rating of 317 shp, continuous improvement programs have increased the latest variant's rating to 715 shp.

Virtually every turbine-powered light helicopter manufacturer produces an aircraft powered by one of the Rolls-Royce M250 engine variants. This fleet of engines has accrued in excess of 240 million fleet flight hours with more than 31,000 engines delivered.

The M250 product line enjoys continuous integration of advanced turbine engine technology designed to make the M250 the most reliable, cost effective and durable engine in the world. In addition to the proud heritage of the M250, it is backed by a worldwide authorized repair and overhaul network. M250 customers can thus expect freedom of support anywhere.

Rolls-Royce provides extensive service training for the full range of M250 engines. "Hands on" sessions are coupled with self-paced, computer-based training, supported by knowledgeable instructors. Our objective is to enable the operator's personnel to perform maintenance, inspection, troubleshooting, and ground checkout on the entire family of M250 engines.

The M250 FIRST network provides an opportunity to choose your support from one of 39 authorized facilities and is the most diverse and customer-focused gas turbine engine support network in existence today.

A program of continuous development has resulted in today's range of Series II and Series IV engines which power many of the world's most popular helicopters. Series II (M250-C20) turboshaft applications include the Bell 206B/TH-67, Bell 206B Jetranger, MDHI MD500/520N, MD 600N, Enstrom 480B and Eurocopter Enstrom 480B. The FADEC-equipped M250 Series IV turboshaft family (M250-C30/C40/C47) spans 650-715shp (815shp thermodynamic), and powers the Bell 407/430/206L and MDH MD530/600N. The Value Improvement Package (VIP) kit gives Series IV operators a post-production option to improve performance by five percent.

01 Bell 407

02 Kiowa Warrior OH-58D



- More than 240 million fleet flight hours.
- More than 31,000 engines delivered.
- Continuously improved to increase capabilities.
- Low cost of operation.
- Customer support center available 24 hours daily.
- M250 FIRST network of worldwide authorized repair and overhaul centers.

