

CTS800 turboshaft

Powering the Super Lynx, US-2, Lynx Wildcat, Turkey ATAK and X-2 Demonstrator



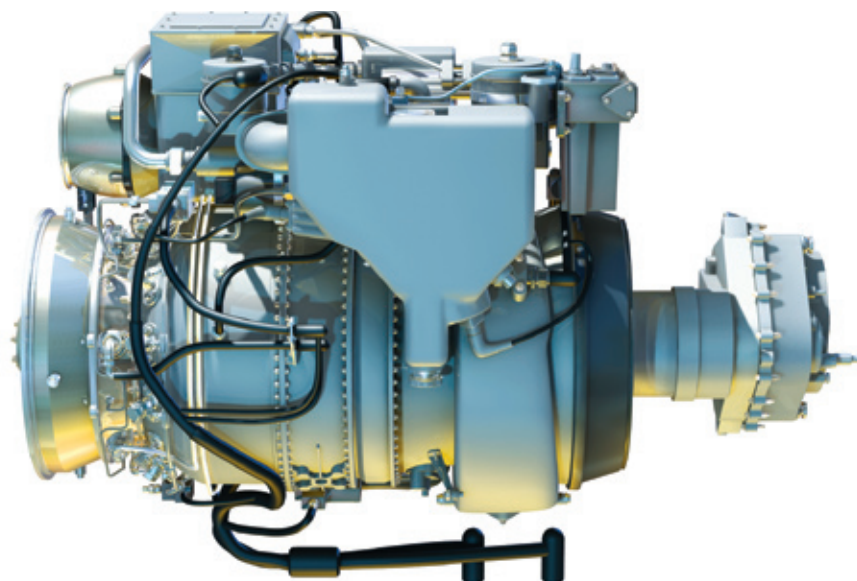
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Powering the Super Lynx, US-2, Lynx Wildcat, Turkey ATAK and X-2 Demonstrator

Having proven its class-leading performance and reliability during the development phase of the RAH-66 Comanche program, the CTS800 family has already secured a number of production applications

The commercially-certified CTS800-4N variant, which features a speed-reduction gearbox, powers the latest generation of the versatile AgustaWestland Lynx family, the Super Lynx 300.

- **Class-leading high-technology engine family spanning 1,360 - 1,700shp**
- **CTS800-powered AgustaWestland Super Lynx ordered by four customers, and now in service**
- **Selected to power the UK MOD's AW159 Lynx Wildcat fleet**
- **Offered for a range of intermediate-twin, UAV and airborne power generation applications**



intelligent innovation

Already ordered by the armed forces of Malaysia, Oman, South Africa and Thailand, the Super Lynx benefits from a 35% increase in installed power delivered by the CTS800, which substantially enhances its 'hot and high' performance. The CTS800 is also being offered as an engine upgrade for existing Lynx fleets. Moreover, the UK MOD has selected the CTS800-4N engine to power their fleet of AW159 Lynx Wildcat helicopters due to enter service in 2011.

The CTS800 powers the boundary layer control (BLC) system on the ShinMaywa US-2 amphibious search and rescue aircraft.

The unique CTS800-4K engine installation utilized in the US-2 highlights the potential of the CTS800 family to meet a range of innovative power generation requirements.

The **CTS800-4A** has been selected to power the Turkish T-129 ATAK helicopter.

The CTS800 has been flight tested in a large number of additional applications, including the AgustaWestland A129 Mangusta, Bell UH-1H Huey, Eurocopter AS.365 Dauphin, AS.565 Panther and the HAL Dhruv Advanced Light Helicopter. Sikorsky has also recently selected the CTS800 engine to power its X-2 rotorcraft technology demonstrator aircraft now in flight test.



Engine Specification

Engine	CTS800-4N	CTS800-5
Power shp (kW)	1,362 (1,015)	1,700 (1,268)
Pressure ratio	14	14:1
Length in (m)	48.4 (1.23)	33.3 (0.85)
Diameter in (m)	22.1 (0.56)	22.2 (0.56)
Basic weight lb (Kg)	408 (185)	340 (154)
Compressor	2CFHP	2CFHP
Turbine	2HP,2PT	2HP,2PT

Applications AgustaWestland Super Lynx, Shinmaywa US-2,
AW A129 Mangusta, Turkish T-129 ATAK,
AW A159 Lynx Wildcat, Sikorsky X-2 demonstrator



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