



TP400-D6

ENGINE FOR THE AIRBUS A400M



TP400-D6 – technology features

MTU developed the TP400-D6 military turboprop engine jointly with ITP Aero, Rolls-Royce and Safran Aircraft Engines. The partners have launched a joint company, Europrop International (EPI), to develop, manufacture and support the TP400-D6.

The TP400-D6 powers the Airbus A400M military transport, which completed its maiden flight in Spain's Seville in late 2009. The TP400-D6 entered into service with the French Air Force in late 2013.

To fulfill the unique requirements of the A400M, the TP400-D6 features advanced aerodynamic and component design, low fuel burn and weight, efficiency over a wide operating range from extended low-level flights to high-speed cruise and integrated engine and propeller control.

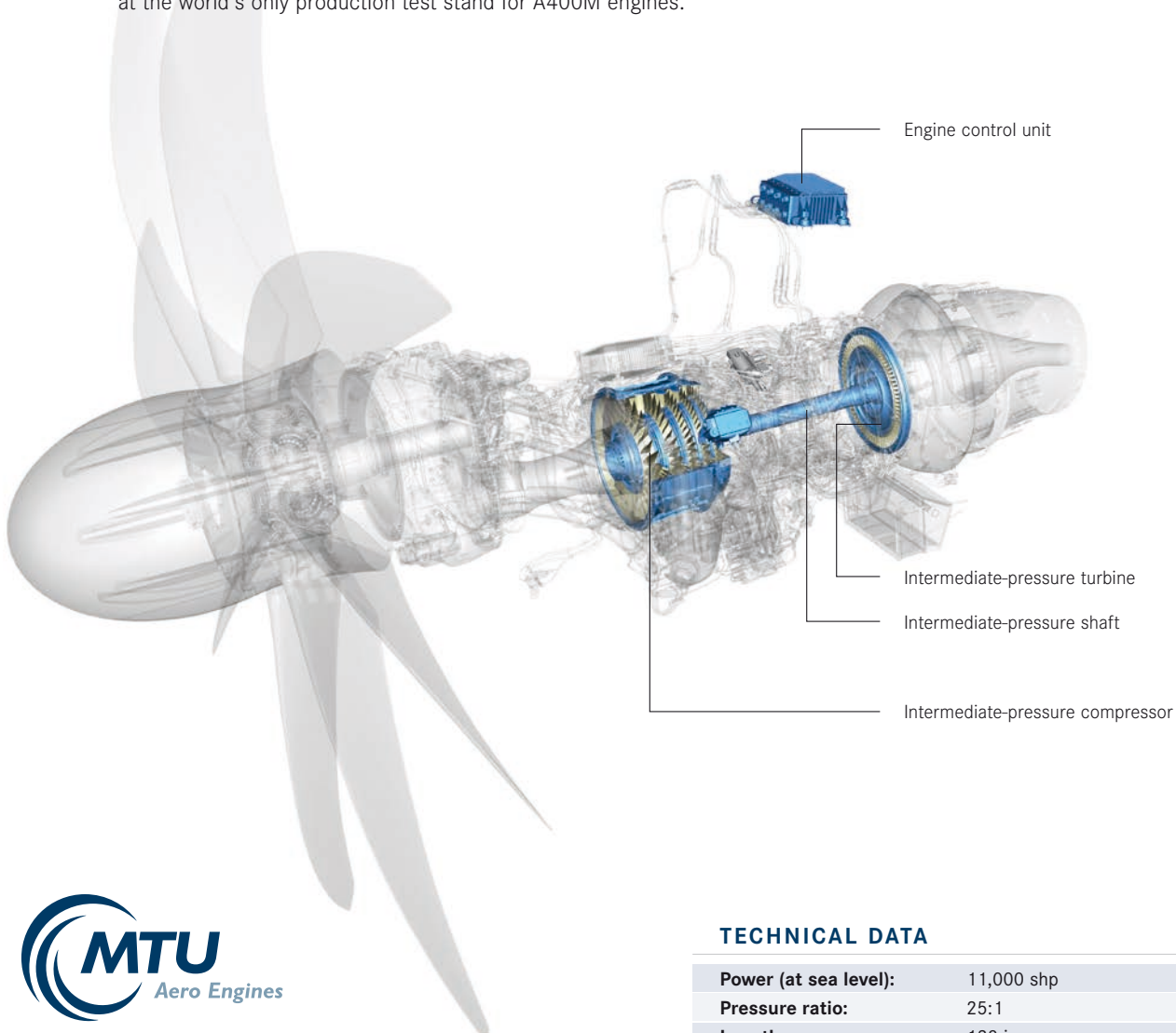
MTU is responsible for the TP400-D6's intermediate-pressure compressor, intermediate-pressure turbine and intermediate-pressure shaft and has a stake in the engine control unit. Furthermore, final assembly of all TP400-D6 production engines takes place at MTU Aero Engines in Munich and acceptance testing at MTU Maintenance Berlin-Brandenburg at the world's only production test stand for A400M engines.

Facts

- EIS: 2013
- Three-shaft turboprop with a power of 11,000 shp
- Most powerful western turboprop
- Low life-cycle cost
- EASA civil type certification for the engine
- Modular design
- Component life as per commercial standards

MTU share

- Program share: 22.2%
- Development and production of intermediate-pressure compressor, turbine and shaft
- Participation in the engine control unit
- Final assembly at MTU in Munich
- Engine testing at MTU Maintenance Berlin-Brandenburg
- Maintenance at MTU in Munich



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TECHNICAL DATA

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|------------------------------|---|
| Power (at sea level): | 11,000 shp |
| Pressure ratio: | 25:1 |
| Length: | 138 in |
| Propeller diameter: | 210 in |
| Weight: | 4,189 lbs |
| Application: | Airbus A400M |
| Partners: | ITP Aero, Rolls-Royce, Safran Aircraft Engines |