**Turboshaft Engine PBS TS100**

A close-up of a machine

Description automatically generated with medium confidenceThe turboshaft engine PBS TS100 is suitable for light helicopters weighing up to 1,000 kg.

Specifications:

* Max power: 180 kW
* Continuous torque: --
* Max speed: --
* Voltage: 720 V
* Peak efficiency: --
* Weight: 56.7kg / 61.3kg
* Height x width x length: 398 x 330 x 829 / 881 mm
* Known for: Light Weight (offers an excellent power/weight ratio) and Low vibrations (The digital ECU controls the acceleration and deceleration of the gas generator to maintain a constant ouptut shaft speed)
* Website: <https://www.pbs.cz/en/Aerospace/Aircraft-Engines/Turboshaft-Engine-PBS-TS100>

**MTR390 turboshaft engine**

The MTR390 engine was developed and is currently being produced by MTR GmbH, in an international consortium formed by MTU Aero Engines (Germany), Safran Helicopter Engines (France) and Rolls-Royce (UK). It has been designed to satisfy the challenging requirements set for Airbus Helicopters’ Tiger weapon platform for the German and French armies.

A close-up of a machine

Description automatically generated with medium confidenceSpecifications:

* Max continuous power: 873kW / 1000kW
* Take-off power: 958kW / 1094kW
* Specific fuel consumption at max cont. power: 284 g/kWh / 299 g/kWh
* Continuous torque: --
* Output shaft speed: 8,320 1/min
* Voltage: --
* Peak efficiency: --
* Weight: 169kg / 179kg
* Height x width x length: 682 x 442 x 1078 mm
* Known for: Modular design, Low specific fuel consumption, Low weight, Multimission capability, Solid customer base
* Website: <https://www.mtu.de/fileadmin/DE/7_News_Media/2_Media/Broschueren/Engines/MTR390.pdf>

**Pratt and Whitney Canada**

Table

Description automatically generated

**Rolls-Royce**

Table

Description automatically generated

**Safran Turbomeca**

Table

Description automatically generated

**Textron (Avco) Lycoming**

Table

Description automatically generated

**Allison Engines (Rolls-Royce Allison)**

Table

Description automatically generated

**General Electric**

Table

Description automatically generated

**Russian Turboshaft Engines**

Table

Description automatically generated

Tabelas obtidas: <https://www.colorado.edu/faculty/kantha/sites/default/files/attached-files/16496-116619_-_tyler_clayton_-_dec_17_2015_110_pm_-_clayton_schenderlein_comparisonofhelicopterengines.pdf>