Geiger Motor GmbH - RE for UAV, Airplanes …



first shown in 2016

A1-37 » One Rotor Engine
 37 kW/7500
 46 NM/7500
 Engine: 19 kg

A2-74 » Two Rotor Engine
 74 kW/7500
 85 NM/7500
 Engine: 31 kg

Both versions …
 max 7500/min
 Fuel ROZ 95 or higher
 Oil: 5W30
 Planetary Drive / PSRU (integrated): 8 kg
 Intake Pipe + Air Filter: 1,8 kg
 Fuel Pump, Pressure Regulator, Filter: 0,7 kg
 Dry Sump „wet“: 3,2 L / 3,8 kg
 ECU: 1,9 kg
 Generator: 300 W / 600 W 14,2 V, 3,2 kg
 Starter-Generator: 12 V / 28 V, 3,1 kg

Details
- dry sump
- sequential high power ignition system – 2 spark plugs per rotor
- electronic engine management with Lambda sensor
- double fuel injection
- integrated starter + generator
- integrated reduction gearbox
- rotor oil cooled (OCR) - oil cooler integrated in water cooling system
- low wear seal system
- antifriction bearings for excentric shaft + rotor
- oil sealing system with reduced friction

2009 start of engine development / 2016 first engine ready

Top 2016 / Bottom 2017







