

# TP100 TURBOPROP ENGINE

Light engine designed for experimental aircraft,  
ultralights and UAVs



## TP100 applications



### Main features

- Installation in pusher or tractor mode
- Small installation dimensions
- Low weight
- High static power

### Accessories

#### Standard assembly:

- Internal fuel-oil system
- Control system (FADEC)
- Ignition unit
- Interconnecting cable

#### Optional accessories:

- Alternator
- Electromagnetic stop valve
- Boost pump
- Display unit EMS
- Control lever
- Speed governor
- Speed limiter
- Oil cooler
- Thermostatic valve and others

## Technical parameters

Output shaft speed	2,158 RPM	2,158 RPM
Power supply	28 V DC	28 V DC
Electrical power output	720 W	720 W

#### Power

Take-off	180 kW	241 HP
Max. continuous	160 kW	214 HP
Cruise	140 kW	188 HP

#### Specific fuel consumption

Take-off	0.515 kg/kW/h	0.847 lb/HP/hr
Max. continuous	0.525 kg/kW/h	0.863 lb/HP/hr
Cruise	0.548 kg/kW/h	0.901 lb/HP/hr

#### Dimensions and weight

Height x width - without exhaust	398 x 330 mm	15.67 x 13.00 in
Length	891 mm	35.08 in
Weight	61.6 kg	135.8 lb

#### Other parameters

Gas generator speed - 100%	56,200 RPM	56,200 RPM
Fuel	JET A, A-1, B according to DERD 2494 standard, TS-1, T2, RT according to GOST 10227-86 standard	
Oil	Mobil Jet Oil II / AEROSHELL 560 according to MIL-L-23699	

#### Operating range - engine operation

Altitude	0 m to 9,000 m	0 ft to 29,500 ft
Ambient temperature	-50°C to ISA +30°C	-58°F to ISA +54°F

#### Operating range - engine start

Altitude	0 m to 6,000 m	0 ft to 19,700 ft
Ambient temperature	-30°C to ISA +30°C	-22°F to ISA +54°F