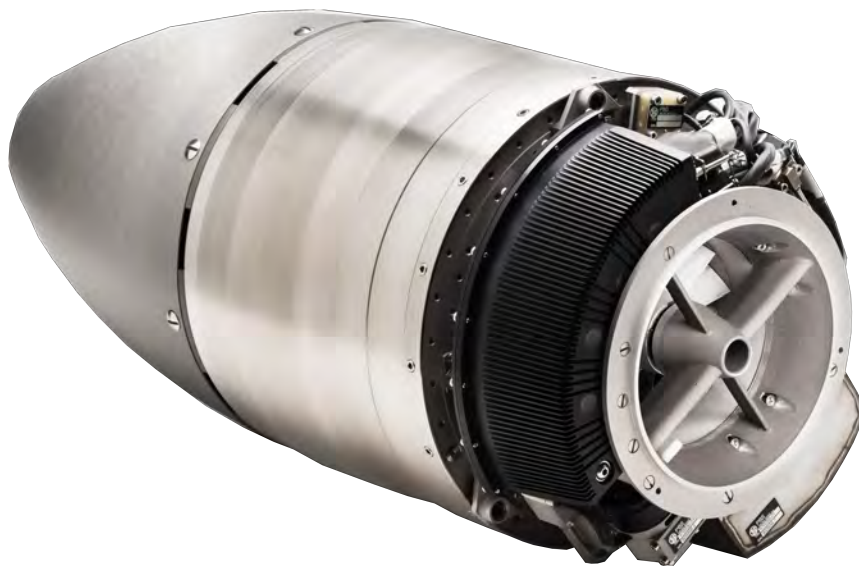


TJ100 TURBOJET ENGINE

Designed for for experimental aircraft, powered gliders, missiles, target drones and UAVs



TJ100 applications



Main features

- Compact design
- Excellent thrust-to-weight ratio
- Low fuel consumption at its power category
- Electric starting system
- Integrated starter-generator
- Suitable for water landing
- Possibility of ground and in-flight restart
- Variations according to customer's request

Accessories

- Standard assembly:
 - Internal fuel-oil system
 - Control system (FADEC)
 - Ignition unit
 - Interconnecting cable
- Optional accessories:
 - Electromagnetic stop valve
 - Fuel filter
 - Control lever
 - Signalling panel
 - Boost fuel pump
 - Reduction valve
 - Interface CAN
 - User software
 - Front and exhaust cover

Technical parameters

Max. thrust	1,300 N	292 lbf
Power supply	28 V DC	28 V DC
Electrical power output	650 W	650 W
Specific fuel consumption	0.116 kg/N/h	1.1376 lb/lbf/hr
Fuel consumption - idle / max. thrust	700 / 3.120 ml/min	23,67 / 105.5 fl oz/min

Dimensions and weight

Outside diameter	272 mm	10.7 in
Length	625 mm	24.6 in
Weight	19.5 kg	43 lb
Weight of accessories	1 kg	2.2 lb

Other parameters

Max. engine speed	60,600 RPM	60,600 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 10,000 m	0 ft to 32,808 ft
Speed	0 to 0.8 M	0 to 0.8 M
Ambient temperature	-50°C to +50°C	-58°F to +122°F

Operating range - engine start

Altitude	0 m to 6,000 m	0 ft to 19,685 ft
Speed	0 to 0.6 M	0 to 0.6 M
Ambient temperature	-40°C to +50°C	-40°F to +122°F