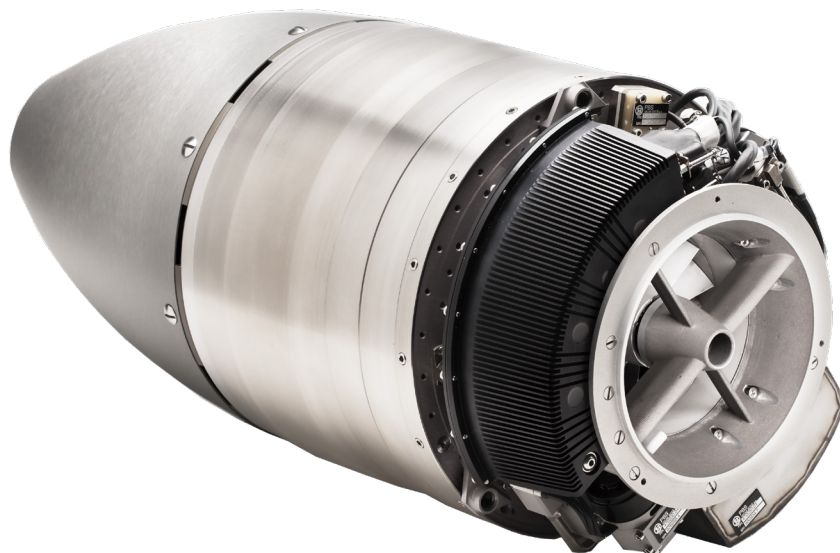
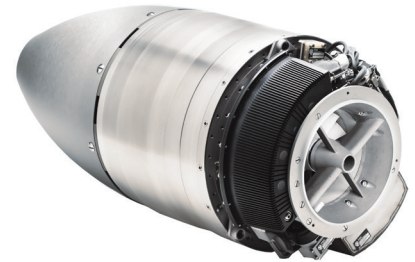


PBS TJ100 TURBOJET ENGINE

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



TURBOJET ENGINE PBS TJ100



Main features

- › Compact design
- › Salt water recovery option
- › Excellent thrust-to-weight ratio
- › Low fuel consumption
- › Control system (FADEC)
- › Electric starting system
- › Integrated starter-generator
- › Possibility of ground and in-flight restart

Technical parameters

Max. thrust	1,300 N	292 lbf
Power supply	28 V DC	28 V DC
Electrical power output	650 W (1.5 kW)	650 W (1.5 kW)
Specific fuel consumption	0.116 kg/N/h	1.1376 lb/lbf/hr

Dimensions and weight

Outside diameter	272 mm	10.7 in
Length	625 mm	24.6 in
Weight	19.5 kg	43 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