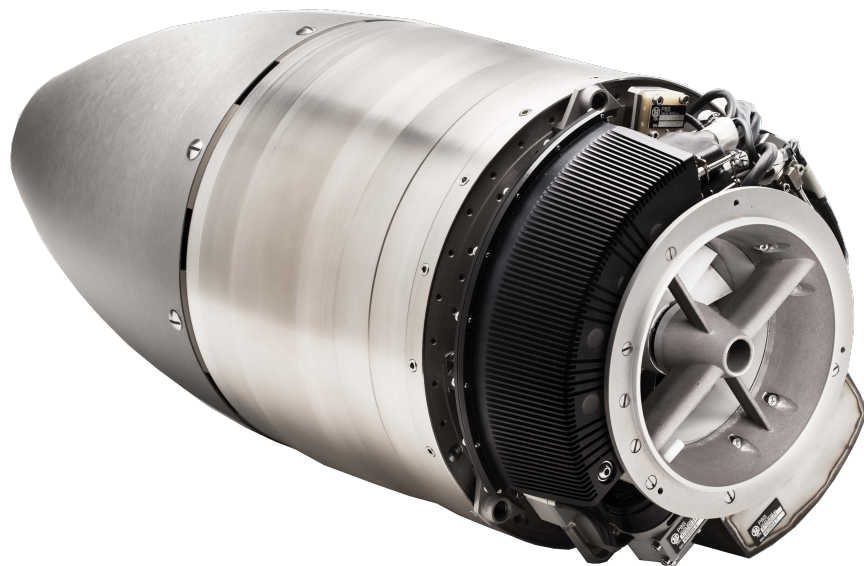


TJ150 TURBOJET ENGINE

Designed for UAVs, Target Drones and Missiles



TJ150 prospective 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 fuel valve
 - Fuel filter
 - Control lever
 - Signalling panel
 - Boost pump
 - Reduction valve
 - Interface CAN
 - User software
 - Front and exhaust cover

Technical parameters

Max. thrust	1,500 N	337 lbf
Power supply	28 V DC	28 V DC
Electrical power output	600 W	600 W
Specific fuel consumption	0.119 kg/N/h	1.167 lb/lbf/hr

Dimensions and weight

Outside diameter	272 mm	10.7 in
Length	520 mm	20.5 in
Weight	19.6 kg	43.2 lb
Weight of accessories	1 kg	2.2 lb

Other parameters

Max. engine speed	55,300 RPM	55,300 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 29,528 ft
Speed	0 to 0.9 M	0 to 0.9 M
Ambient temperature	-50 °C to +45 °C	-58 °F to +113 °F

Operating range - engine start

Altitude	0 m to 4,000 m	0 ft to 13,123 ft
Speed	0 to 0.4 M	0 to 0.4 M
Ambient temperature	-30 °C to +45 °C	-22 °F to +113 °F