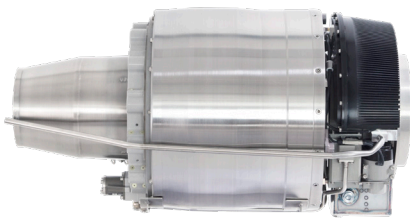


PBS TJ150 TURBOJET ENGINE

Designed for missiles, target drones and UAVs



TURBOJET ENGINE PBS TJ150



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 | 1,500 N | 337 lbf |
| Power supply | 28 V DC | 28 V DC |
| Electrical power output | 600 W (1.5 kW) | 600 W (1.5 kW) |
| 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 |

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 0.6 M | 0 to 0.6 M |
| Ambient temperature | -40 °C to +45 °C | -40 °F to +113 °F |



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