

# TJ 100 TURBOJET ENGINE

Small turbojet with designed for experimental aircrafts, powered gliders and UAV, UCAV systems.



## TJ 100 applications



### Main parameters – performance (ISA SL)

Max. thrust	1100 N	247 lbf
Min. specific fuel consumption	1,09 kg/daN/h	1,09 lb/lbf/h
Electrical power output	750 W	

#### Dimensions and weight

Max. diameter	272 mm	10,7 in
Length	625 mm	24,6 in
Dry weight (with accessories)	19,5 kg	43,0 lb

#### Operating range

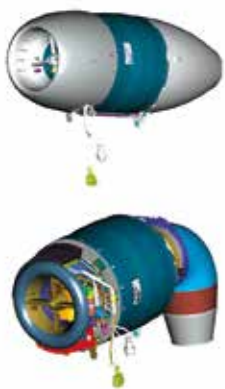
Flight envelope – altitude	0 to 8 000 m	0 to 26 000 ft
Flight envelope – speed	< Mach 0,8	
Start envelope – altitude	0 to 4 000 m	0 to 13 000 ft
Start envelope – speed	< Mach 0,4	
Start envelope – temperature	-30 to +50 °C	-22 to 122 °F

#### Requirements

Fuel	JET-A1, JP5, JP8
Oil	3 cSt or 5 cSt

### Model variant

possible further custom varian



### Main features

- Compact design, excellent thrust/weight ratio and low fuel consumption at its power category
- Integrated starter-generator is enabling the reliable starting by battery 24 V, electricity supply to board net and engine cooling after stop
- Classical conception – radial compressor and annular combustion chamber, axial turbine and fixed output nozzle
- Standard completion: fuel-oil system, control system, ignition unit, connection cables, manual or full automatic control

### Optional accessories



fuel filter



fuel stop valve



traffic fuel pump DC4



CAN RS232 converter



monitoring SW



Control throttle



front cover



rear cover



signalling panel