

# TJ23U TURBOJET ENGINE

Designed for UAV systems, such as target  
drones and small reconnaissance drones



## TJ23U application



## Technical parameters

Max. thrust	230 N	51,706 lbf
Electrical power output	-	-
Specific fuel consumption	0.165 kg/N/h	1.6181 lb/lbf/hr
Fuel consumption - idle / max. thrust	126 / 650 ml/min	4.26 / 21.98 fl oz/min

### Dimensions and weight

Outside diameter	121 mm	4.76 in
Length	316 mm	12.44 in
Weight	1.98 kg	4.37 lb
Weight of accessories	230 g	0.51 lb

### Other parameters

Max. engine speed	122,000 RPM	122,000 RPM
Fuel	Jet A-1 or equivalent with 3% turbine oil	
Oil	Mobil Jet Oil II / AEROSHELL 560 according to MIL-L-23699	

### Operating range

Max. altitude	6,000 m	19,700 ft
Max. speed	0,6 M	0,6 M
Ambient temperature	-40°C to +50°C	-40°F to +122°F

## Main features

- Compact design - accessories including electronics, pump, electric valves, spark plug and sensors integrated in the engine
- Excellent thrust-to-weight ratio and low fuel consumption for its power category
- Electric start, one fuel supply and constant engine thrust, independent of ambient temperature
- Easy and rapid kerosene starting
- Operates efficiently with battery connection (3s Li-Po - 2.2 Ah or 4s Li-Fe - 2.5 Ah) and with a fuel mixture supply containing 3% turbine oil

## Accessories

- Standard accessories:
  - fuel filter
  - D6.5 hose and engine data terminal (EDT)
- Optional accessories:
  - fixing clamp
  - suction screen