TJ40-G2
TURBOJET ENGINE

Designed for UAV systems, such as target drones, decoy drones, or small reconnaissance drones with need of higher power supply

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TJ40-G2 possible applications

Main features

- Compact design - all accessories integrated within the engine body (excl. fuel pump)
- Excellent thrust-to-weight ratio and low fuel consumption for its power category
- Easy and rapid kerosene starting
- Possibility of ground and in-flight restart
- Any engine position at the time of launch
- Shortened start-up sequence below 25 sec

Standard accessories

- Fuel pump
- External electronics
- Fuel filter
- Connecting cabling
- Hose PU
- Data terminal
- Battery (4s Li-Fe - 2.5 Ah)
- CAN connector

Technical parameters

Max. thrust	395 N	88.8 lbf
Power supply	24 V, min. 2.5 Ah	24 V, min. 2.5 Ah
Output voltage	28 V DC	28 V DC
Electrical power output + external converter	200 + 900 W	200 + 900 W
Specific fuel consumption	0.149 kg/N/h	1.461 lb/lbf/hr
Fuel consumption - idle / max. thrust	230 / 1,230 ml/min	7.77 / 41.6 fl oz/min
Dimensions and weight		
Outside diameter	147 mm	5.79 in
Length	373 mm	14.7 in
Weight	3.8 kg	8.4 lb
Weight of accessories	200 g	0.44 lb
Other parameters		
Max. engine speed	98,000 RPM	98,000 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 - engine operation		
Altitude	-300 m to 9,000 m	-984 ft to 29,500 ft
Speed	0 to 0.9 M	0 to 0.9 M
Ambient temperature	-50°C to +50°C	-58°F to +122°F
Operating range - engine start		
Altitude	-300 m to 4,500 m	-984 ft to 14,700 ft
Speed	0 to 0.35 M	0 to 0.35 M
Ambient temperature	-40°C to +50°C	-40°F to +122°F

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PBS Velka Bites, a. s.
Vlkovska 279, 595 01 Velka Bites
Czech Republic, EU

Sales Department:
Tel.: +420 566 822 304
Fax: +420 566 822 372

E-mail: sales@pbsvb.cz
www.pbsvb.com