

TJ40-G1 TURBOJET ENGINE

**Turbojet engine designed for UAVs,
target drones, gliders and more**



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Examples of possible TJ40 applications



Main parameters

Technical parameters

Thrust: take - off (max. 5 min.)	395 N	88.8 lbf
Power supply	13.8 V DC	
Electrical power output	200 W	
Specific fuel consumption at max. thrust	$\leq 0.147 \text{ kg/N/h}$	$\leq 1.44 \text{ lb/lbf/hr}$
Fuel consumption min. - idle	20 ml/min	0.68 oz/min
Fuel consumption - max. thrust	1210 ml/min	40.91 oz/min

Dimensions and weight

Outside diameter	147 mm	5.79 in
Engine length	305 mm	12.00 in
Engine weight	3250 g	7.16 lb
Weight of accessories (engine clamp, suction screen)	200 g	0.44 lb

Other data

Max. EGT	900°C	1652°F
Amount of air intake	0.74kg/sec	1.63 lb/sec
Revolutions max.	98,000 RPM	
Fuel (Oil/Fuel Ratio 3%)	JET A-1 or equivalent, diesel	
Oil	Mobil Jet Oil II / AEROSHELL 500 / AEROSHELL 560	

Operating range

Max. operating altitude	6,000 m	19,680 ft
Flight speed range	< Mach 0.6	
Temperature operating range	-20°C to +50°C	-4°F to +122°F

