

TJ 40-G2 TURBOJET ENGINE

**New development for UAV's, gliders
and bigger modeller applications.**



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 **PBS** Velká Bíteš

Examples of possible TJ 40 applications



Technical parameters:

Thrust: take-off (max 5 min) 395 N

Dimensions and weight

Outside diameter	147 mm
Length	373 mm
Weight of the engine	3800 gr
Weight of the accessories	200 gr

Other data

Fuel consumption max.	1230 ml/min
Max. EGT	780 °C
Suction amount of air	0,78 kg/sec
Revolutions max.	98 000 RPM
Lubrication	3% oil in fuel
Fuel	kerosine/diesel
Generator power output	800 W

Advantages:

Certified manufacturer of aircraft engines.

Turbine includes:

Brushless starting generator	
1st. radial compressor	$\pi k = 3,8$
Toroidal combustion chamber	IN 600
Kerosine starting system	
1st. axial turbine	IN 713
Ceramic bearings	GMN
3 electrovalves	
Sensor EGT	
Engine electronics	
AC-DC changer	200 W

Accessories includes:

Fuel Pump DC or BLDC
Electronics
Connecting cables
Connecting hoses