

TJ 40-G1 TURBOJET ENGINE

**New development for gliders,
bigger modeller applications and more.**



www.pbsvb.cz
www.rc-turbine.cz



 **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 305 mm

Weight of the engine 3200 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 12V – 200 W

Advantages:

Certified manufacturer of aircraft engines.

Turbine includes:

Brushless starting generator

1st. radial compressor $\pi_k = 3,8$

Annular 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