

TJ100 C

Newly developed jet engine intended for motorized gliders and experimental aircrafts.

The extensive experience from various APU designs has been used in design and production of this engine...



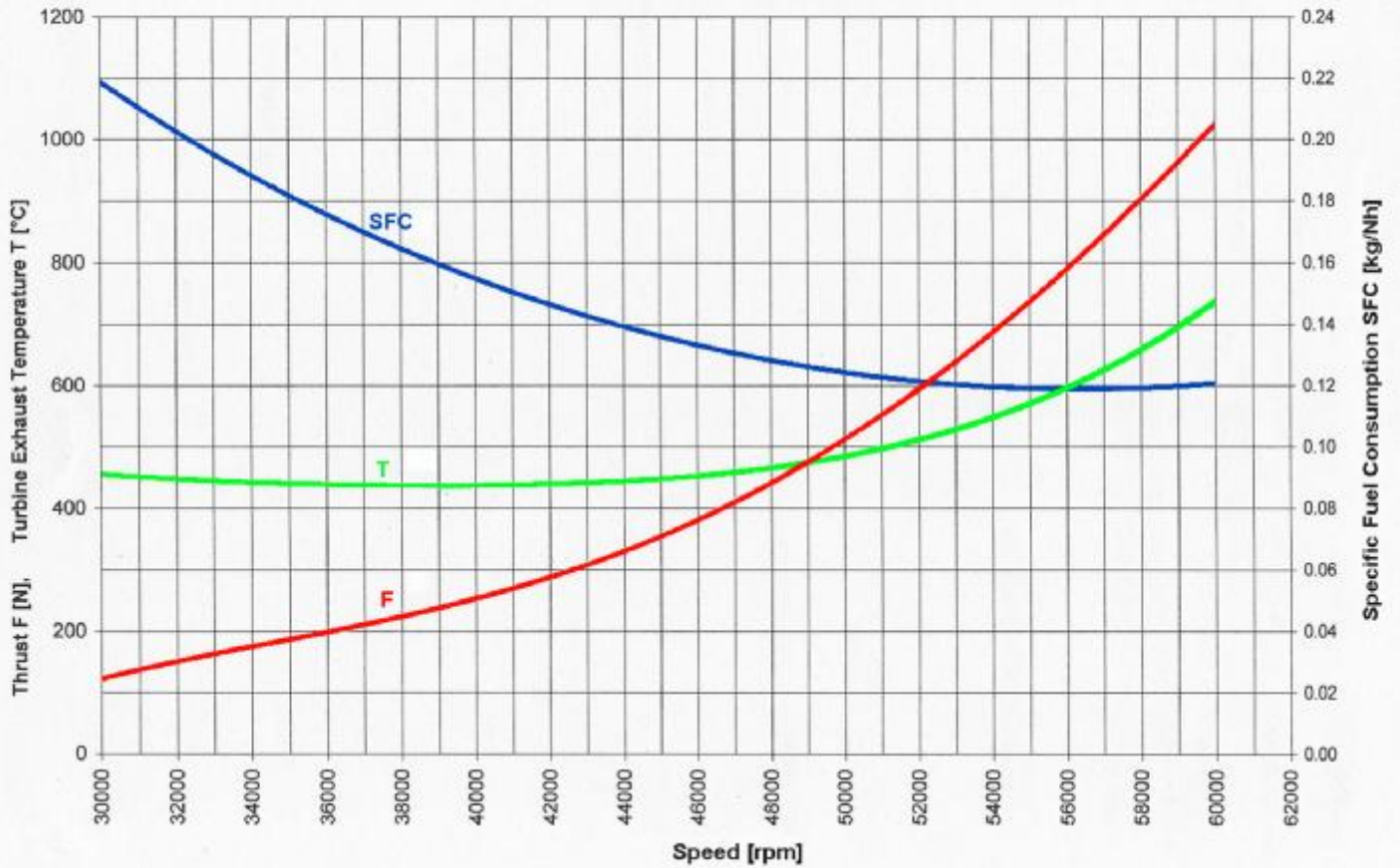
TJ 100C has single-stage radial compressor, radial and axial diffuser, annular combustion chamber and single stage axial turbine. Rotor seat is lubricated by autonomous oil system. Control is provided by digital electronic system. Starting is electric like fuel and oil pump. Power supply is provided by integrated generator and DC-DC converter. Ignition system is low-voltage, high-up power.

Technical Data:

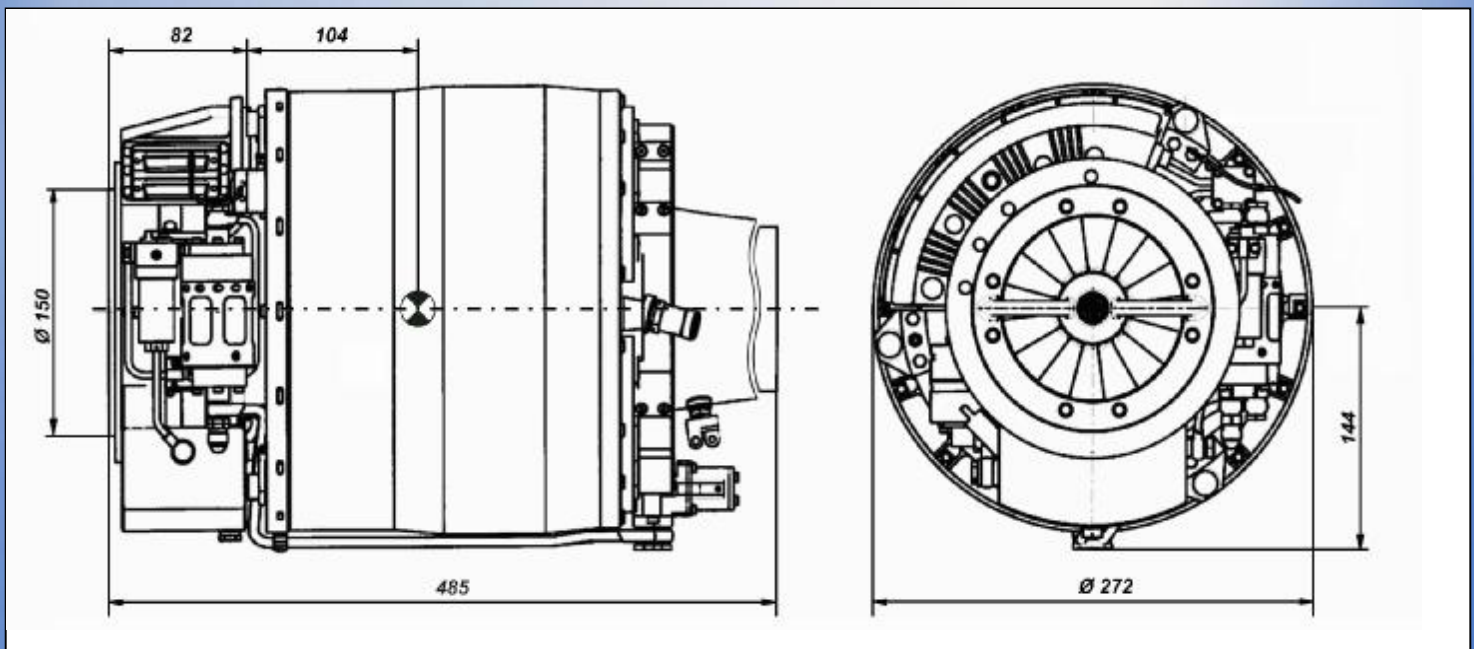
Thrust:	Take off (max 5 min)	100 daN (225,0 lbf)
	Nominal (30 min)	85 daN (192,0 lbf)
	Cruising	70 daN (157,5 lbf)
Total Weight		19 kg
Length		485 mm
Outside diameter		272 mm
DC power		800 W; 28,5V
Fuel		JET A-1
Fuel consumption		≤ 1,2 kg/daN
Oil		MIL-L-23699

TJ 100C Engine Performance

At ISA conditions



Engine Dimensions:



PBS Velká Bíteš, a.s. is stipulated privilege to changes above-mentioned parameters...