

JMB T120 Data sheet

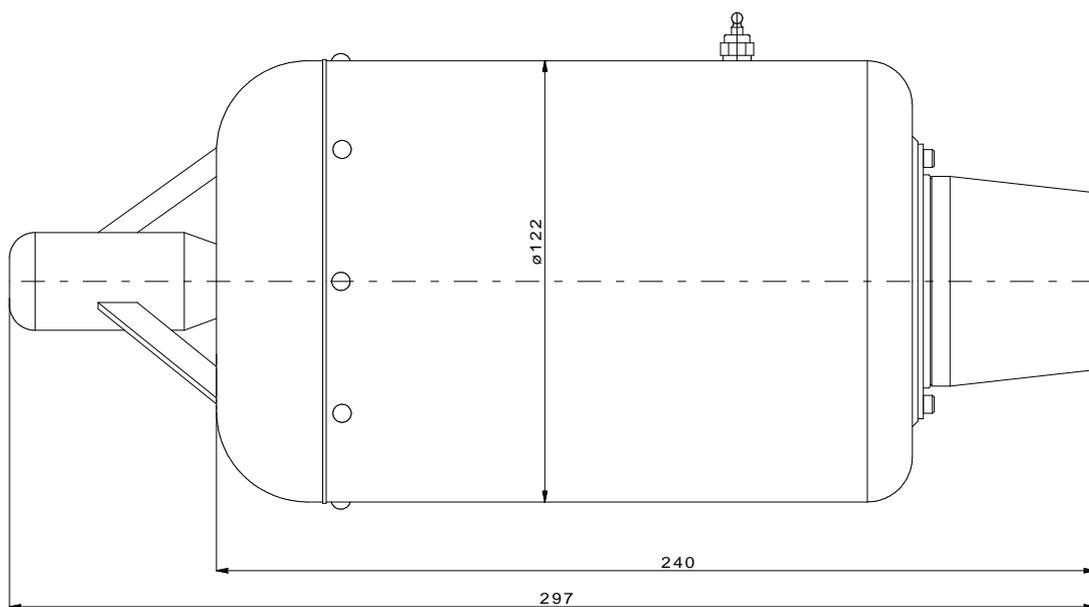
Engine type:	Single shaft reverse flow turbojet engine
Compressor :	Single stage radial compressor Al A355 alloy
Turbine:	Single stage radial inflow Inconel 713C super alloy
Bearings:	Full balls hybrid high speed bearings
Thrust min-max :	5 N at idle 120 N at full throttle
RPM	35000 rpm idle - 121000 full thr
EGT :	450 °C idle 680°C full thr
Compression ratio:	2.8
Consumption idle-full :	76 cc/min - 395 ccl/min
Massflow:	0.28 Kg/sec

Dimensions:

Outside diam:	122 mm
Total length:	297 mm
Weight:	1.76 Kg with starter

Others features:

Fuel:	Kerosene, Jet A1, JP4, Diesel
Lubrication:	forced with 4% turbine oil mixed fuel
Control:	Projet
Ignition:	Propane or Kerostart
Acceleration:	3 sec from idle to full
Deceleration:	3.5 sec from full to idle
Operating temp:	-5°C +40°C
Noise level:	110 dB at full thr
TBO:	25 h



N.B.: ALL DATA ACCORDING ISA CONDITIONS