



AI-PBS-350 TURBOJET ENGINE



TURBOJET ENGINE FOR DEFENCE SYSTEMS

The AI-PBS-350, a joint project between Ivchenko-Progress SE and PBS, is the latest engine in its thrust class. It is specifically optimised for use in single mission UAV systems. It is a compact engine with a four-stage axial compressor and a single-stage axial turbine.

The AI-PBS-350 is becoming the most powerful engine produced by PBS, Czech Republic, EU, a trusted supplier of aerospace products.



TECHNICAL PARAMETERS

TECHNICAL PARAMETERS	METRIC	IMPERIAL
Thrust	3,400 N	764.35 lbf
Specific fuel consumption	0.125 kg/N/h	1.226 lb/lbf/h
Electrical power output	5.0 kW	5.0 kW

DIMENSIONS AND WEIGHT	METRIC	IMPERIAL
Length	706 mm	27.79 in
Outer diameter	298 mm	11.73 in
Weight	51.0 kg	112.43 lb



MAIN FEATURES

- › Excellent thrust to weight ratio
- › From idle to max in less than 6 seconds
- › Windmill starting
- › Pyrotechnic ignition
- › Digital engine control unit
- › Fuel metering pump

WHY PBS?

- › 50+ years of experience in engine development and production
- › EASA certified producer (DOA, POA, MOA)
- › TIER 1 supplier, 90 % in-house production
- › Reliable supplier of aerospace products based in the Czech Republic, EU



První brněnská strojírna Velka Bites, a. s.
Vlkovská 279, 595 01 Velka Bites
Czech Republic, EU
engines@pbs.cz
www.pbs.cz



Zaporizhzhia Machine-Building Design Bureau Progress
State Enterprise named after Academician O. H. Ivchenko
2 Ivanova st., Zaporizhzhia, 69068, Ukraine