

AUXILIARY POWER UNITS

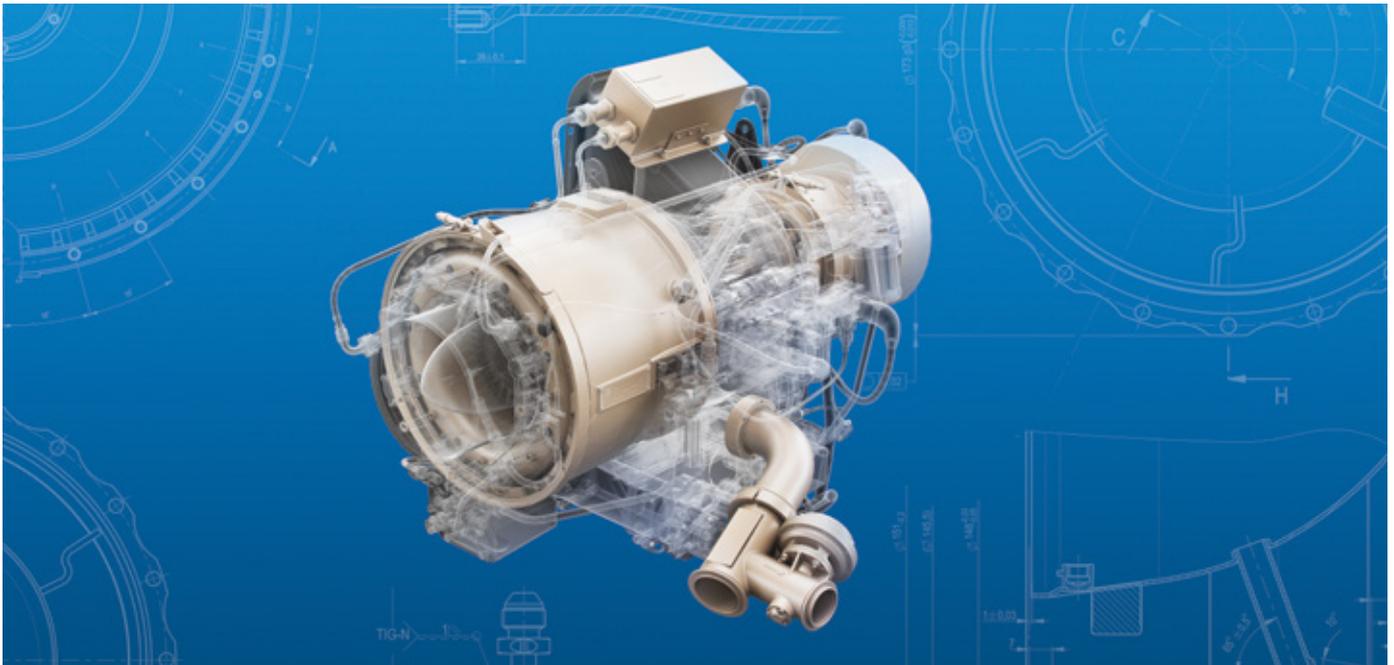


AEROSPACE • INVESTMENT CASTING • CRYOGENICS • SURFACE TREATMENT

WE DEVELOP AND MANUFACTURE AUXILIARY POWER UNITS

PBS focuses on continuous R&D, technological innovations and new APU development.

Our competent team of seasoned engineers continuously works on further development to improve crucial subsystems, components, and parts of the APU to gain an edge in the highly competitive environment of the aerospace industry.



MAIN FEATURES

Our APU can supply both compressed air and electrical power at operating altitudes up to 6,000 m. The extended lifetime of PBS APUs make them one of the world leaders in the category up to 100 kW.

- › EASA type certificates
- › Continuous operation for 6 hours
- › Long service life and easy maintenance
- › High reliability in extreme weather conditions
- › Highly resistant ECU, increased flight envelope
- › 9 years TBO with the possibility of extension
- › Possibility of 3-year preservation without TBO shortening



PBS APU FAMILY

We have produced and delivered over 6,500 APUs, of which more than 1,500 are used on helicopters. We provide complex technical support for our APU in operation, such as supplying spare parts, extending TBO and general overhauls.

SAFIR 5K/G MI



SAFIR 5K/G MIS



SAFIR 5K/G Z8



SAFIR 5K/G MI40



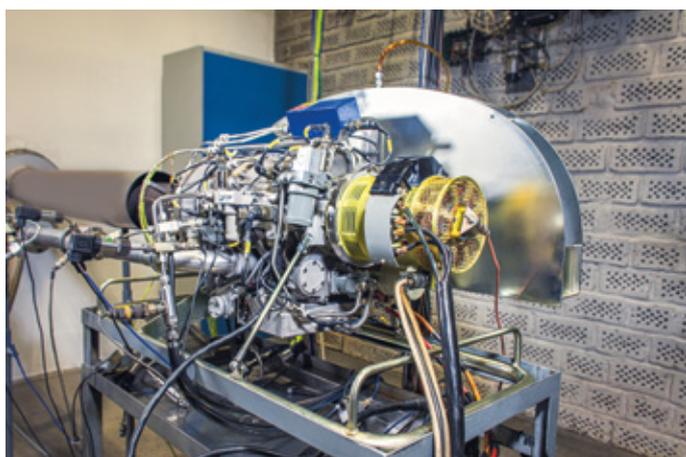
TECHNICAL PARAMETERS

| PARAMETERS | SAFIR 5K/G MI | SAFIR 5K/G MIS | SAFIR 5K/G Z8 | SAFIR 5K/G MI40 |
|---------------------------|---------------|----------------|---------------|-----------------|
| Electrical power output | 20 kVA | 6 kW | 40 kVA | 40 kVA |
| Bleed air extraction | 24 kg/min | 24 kg/min | 18 kg/min | 27 kg/min |
| Specific fuel consumption | 55 kg/h | 55 kg/h | 62 kg/h | 60 kg/h |
| Weight | 72.0 kg | 64.5 kg | 51.5 kg* | 51.5 kg* |
| Max. operating altitude | 6,000 m | 6,000 m | 6,000 m | 6,000 m |

*Without el. generator

WHY PBS

- › More than 50 years of experience in APU development and production
- › Installation possible at customer's facility
- › EASA certified producer (DOA, POA, MOA)
- › TIER 1 supplier - 90 % in-house production



WE ARE PBS

The PBS brand history in precision engineering goes 200 years deep. Today's PBS Velka Bites is an innovative engineering company focusing its activities foremost in aerospace industry. **PBS develops and manufactures turbojet, turboprop and turboshaft engines, auxiliary power units (APU) and environmental control systems (ECS).**

The PBS production program also includes precision casting, precision machining, metal finishing and last but not least production of components for cryogenics.

PBS Velka Bites is a member of PBS GROUP a.s.



DOA, POA a MOA



AS 9100,
ISO 9001 a ISO 14001



MAA 056 a MAA 076
Ministry of Defence, Czech Republic



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