



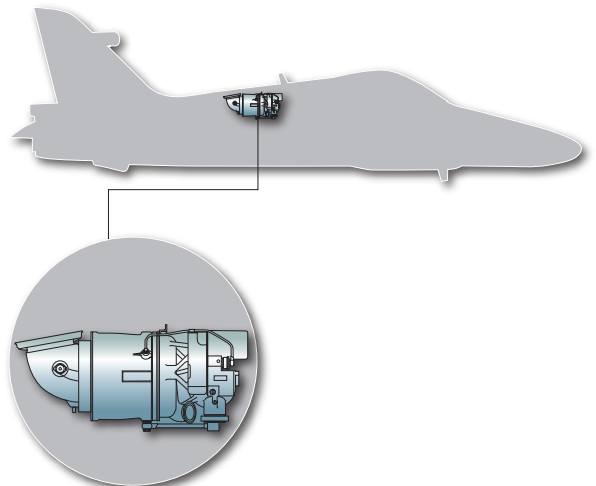
SAPHIR 10

AUXILIARY POWER UNIT

In order to comply with the dimensional constraints of small aircraft such as training aeroplanes, Microturbo has developed the Saphir 10 Auxiliary Power Unit which powers the recent versions of the BAE SYSTEMS Hawk, in particular for the AJT (Advance Jet Trainer) fleets of the English RAF (Royal Air Force) but also for the Australian and South African air forces.

This APU provides the pneumatic power required for the air turbine starter developed by Microturbo for the main engine as well as 12 kVA of electrical power.

It also provides output for cockpit air conditioning.



SAPHIR 10 AUXILIARY POWER UNIT

Operating envelope

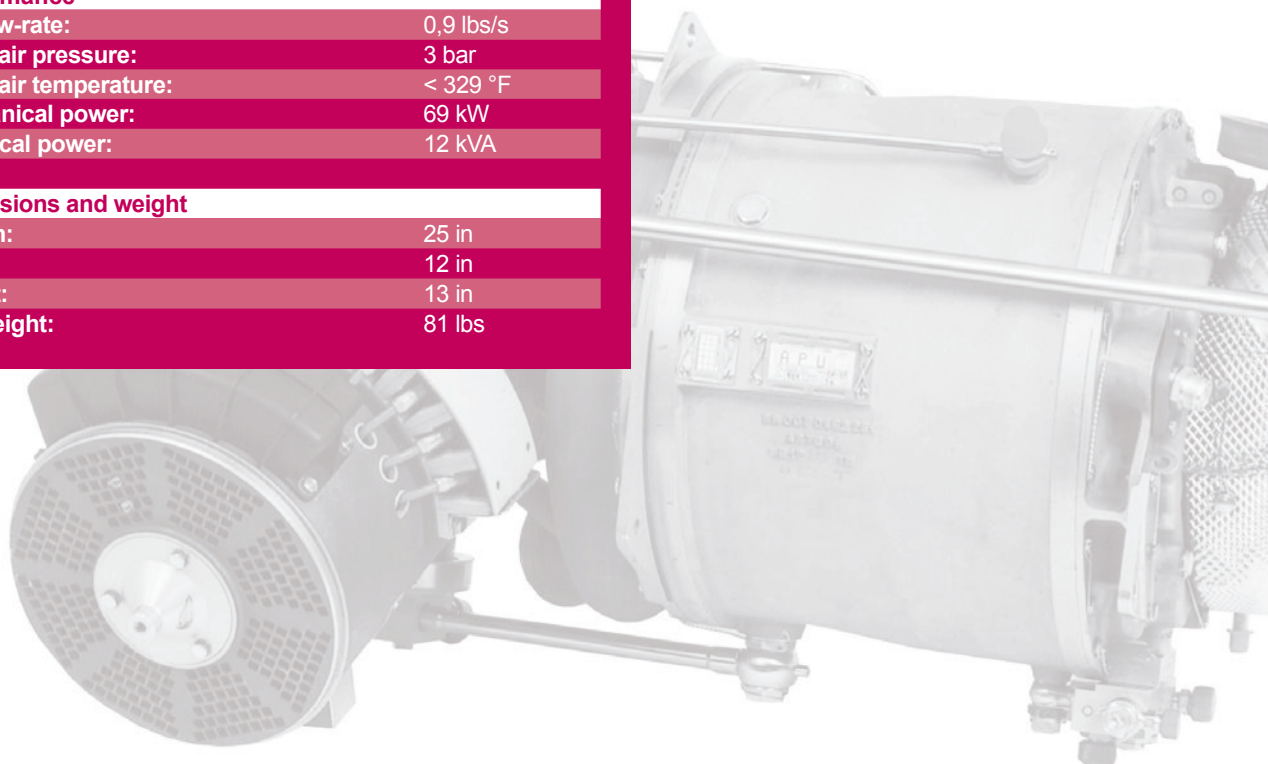
Starting:	Altitude:	0 to 22,640 ft
	Temperature:	-78,8 to +122 °F
In flight:	Altitude:	0 to 35,100 ft
	Temperature:	-104 to +122 °F

Performance

Air flow-rate:	0,9 lbs/s
Bleed air pressure:	3 bar
Bleed air temperature:	< 329 °F
Mechanical power:	69 kW
Electrical power:	12 kVA

Dimensions and weight

Length:	25 in
Width:	12 in
Height:	13 in
Dry weight:	81 lbs



Contact

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Microturbo (Safran) specializes in the design and production of high-technology power systems and propulsion systems. State-of-the-art and reliable power solutions offered include the large proven range in Microturbo gas turbines, but also innovations resulting of an important R&D investment and strategic partnerships. Microturbo is a world leader in the field of power systems and propulsion systems and has delivered over 13,000 units.

www.microturbo.com