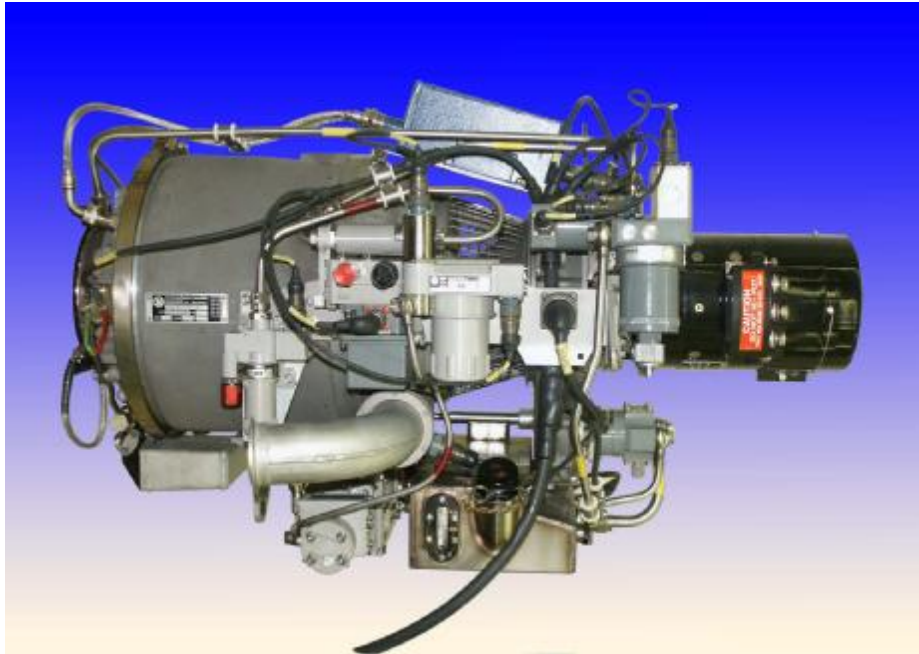


AUXILIARY POWER UNIT

SAFÍR 5 K/G - MIS



Auxiliary power unit SAFÍR 5 K/G - MIS provides air delivery for engine starters or dynamo drive and for hydraulic pump drive.

Technical Data

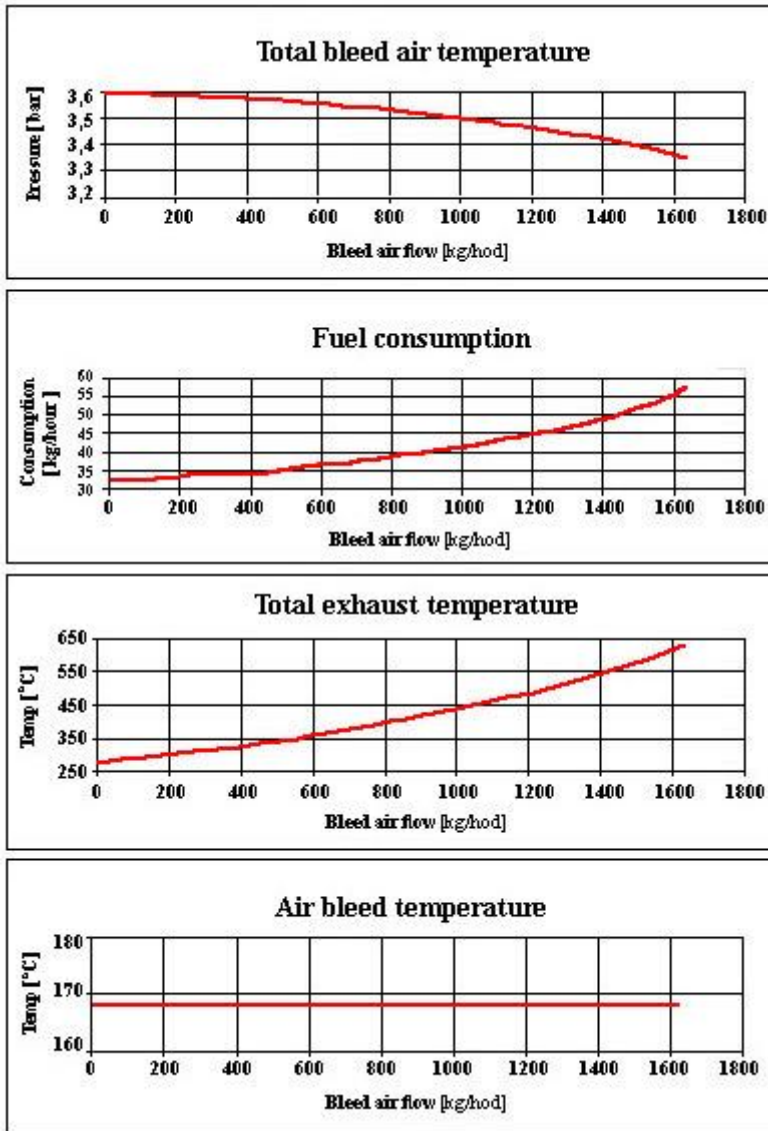
Standard conditions	$T_0 = 15\text{ °C (59 °F)}$, $p_0 = 1\ 013\text{ mb (14.7psi)}$	
Max. rated shaft output	35 kW	
Max bleed airflow	28.3 kg/min (62.9 lb/min)	
Max. exhaust temperature	680 °C (1256 °F)	
Turbine speed – idle run	49 074 rpm	
- start up	51 000 rpm	
Air bleed temperature	160 ÷ 180 °C (320 – 356 °F)	
Main drive: Starter generator	Rated output 5,6 kW – 12 000 rpm	
At start-up speed	Max. 3 kW -12 471 rpm	
At idle run	Max 8 kW – 12 000 rpm	
Extra drive (Hydraulic pump) - optional	4 kW – 3 935 rpm	
Max. rated altitude for starting	6 000 m (19 700 ft)	
Max. rated altitude for function	6 000 m (19 700 ft)	
Operating temperature	- 55° to + 55 °C (-67° to + 131 °F)	
Weight	without starter-generator	45 kg (99 lb)
	with all accessories–	61 kg (134,5 lb)

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APU Characteristics at start up speed (AT ISA)



Standard Equipment

- Integrated oil system
- Integrated starting system
- Integrated cable pack – connecting with APU with central APU connector
- Integrated fuel system
- Surge-bleed valve within bleed air system
- Electronic control and check system
- Double magnetic speed pick-up
- Electric starter-generator
28V, 5.6 kW
- Two sets up exhaust temperature level
- Signaling of fuel and oil filter fouling
- Panel failures signaling
- Automatic START and STOP
- Protection - low oil pressure
- exhaust over temperature
- over-speed
- low-speed
- Fuel heating, oil cooling
- Ecological fuel drain

Dimensions (in mm):

