

# AUXILIARY POWER UNIT

## SAFÍR 5 K/G - MI



Auxiliary power unit SAFÍR 5 K/G - MI provides air delivery for engine starters or for aircraft air conditioning, for 400 Hz generator drive or dynamo drive and for hydraulic pump drive.

### Technical Data

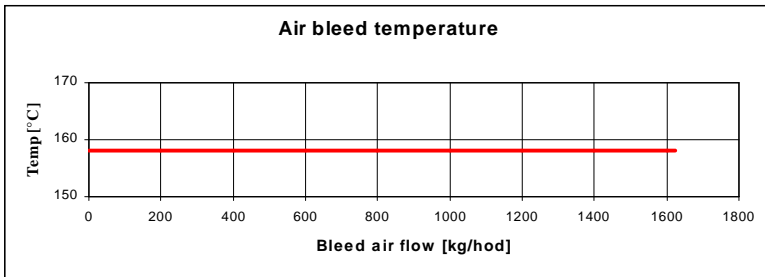
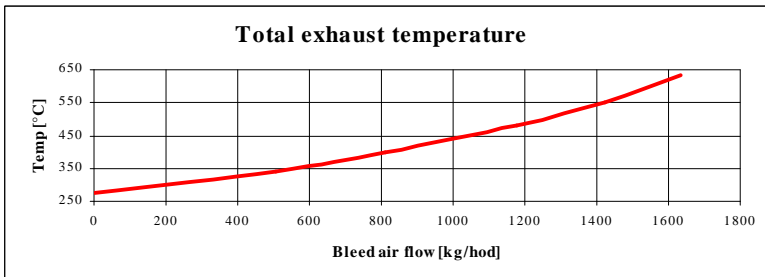
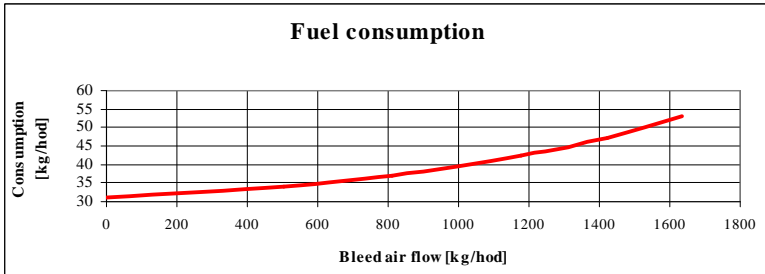
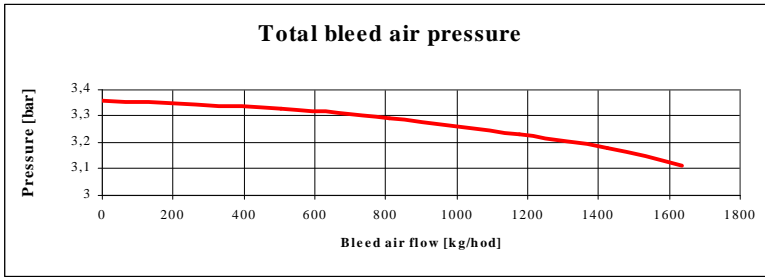
Standard conditions	$T_0 = 15\text{ °C (59 °F)}$ , $p_0 = 1\ 013\text{ mb (14.7psi)}$	
Max. rated shaft output	35 kW	
Max bleed airflow	28.3 kg/min (62.9 lb/min)	
Max. exhaust temperature	680 °C (1256 °F)	
Turbine speed	49 074 rpm	
Air bleed temperature	160 ÷ 180 °C (320 – 356 °F)	
Main drive (Generator or alternator)	20 kW – 12 000 rpm	
Extra drive (Hydraulic pump)	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 electrical generator	49 kg (108.1 lb)
	with all accessories– fuel-oil system, air system, starting system with ignition system, cables, electric generator	64 kg (141 lb)

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## APU Characteristics (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 with overrunning clutch
- Air intake
- Two sets up exhaust temperature level
- Signaling of fuel and oil filter fouling
- Signaling of high oil temperature
- Signaling of minimum oil level
- 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):

