

MFA0021

Blower Designed for Specific Integration

AIRFAN naked turbine architecture.

The **MFA0021** is designed for implementation in ventilators dedicated to **Home Care, Bi-Level** and **CPAP** using **O₂ injection before the turbine**.

Derived from the **MFA0020** without inner motor cooling system.



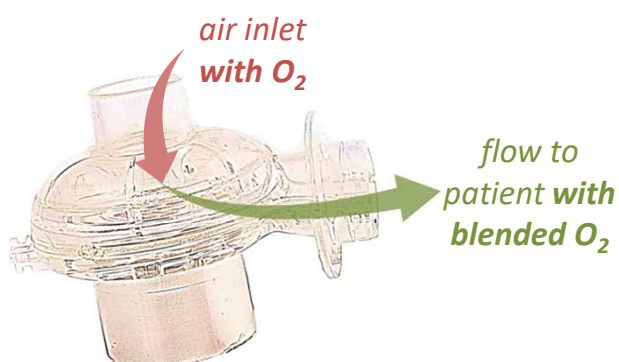
PERFORMANCES

ΔP max @24V		80 hPa	fully closed
Q max @24V		300 l/mn	fully opened
Typical w/p @30 l/mn		P = 10.0 (W)	@30 hPa
		P = 19.0 (W)	@60 hPa
LifeTime (L10)		> 25 000 hours*	
Type		Naked turbine	

	< 50 dBa	@10 hPa
	< 61 dBa	@30 hPa
	< 66 dBa	@60 hPa

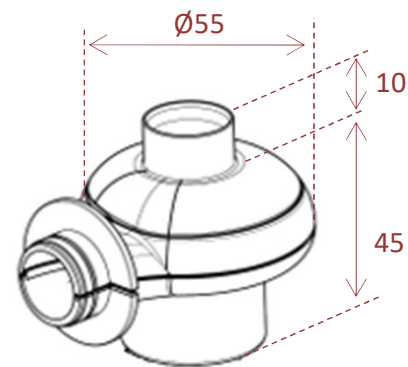
* with Blower inlet @1m

* LifeTime expectancy based on standard operating conditions



TECHNICAL DATA

Voltage supply	24 VDC (nom) 28 VDC (max)
Motor type	Brushless without Hall-effect sensors
Dimensions (casing)	Ø55 x 55 mm (Ø2.2 x 2.2 in)
Weight	0.08 kg (~ 0.17 Lb)
Integration	works in any position/orientation
Temperature	+10 to +50°C ambient
Humidity	15 to 95% RH non-condensing
Atmospheric pressure	660 to 1060 hPa
Oxygen compatibility	Yes

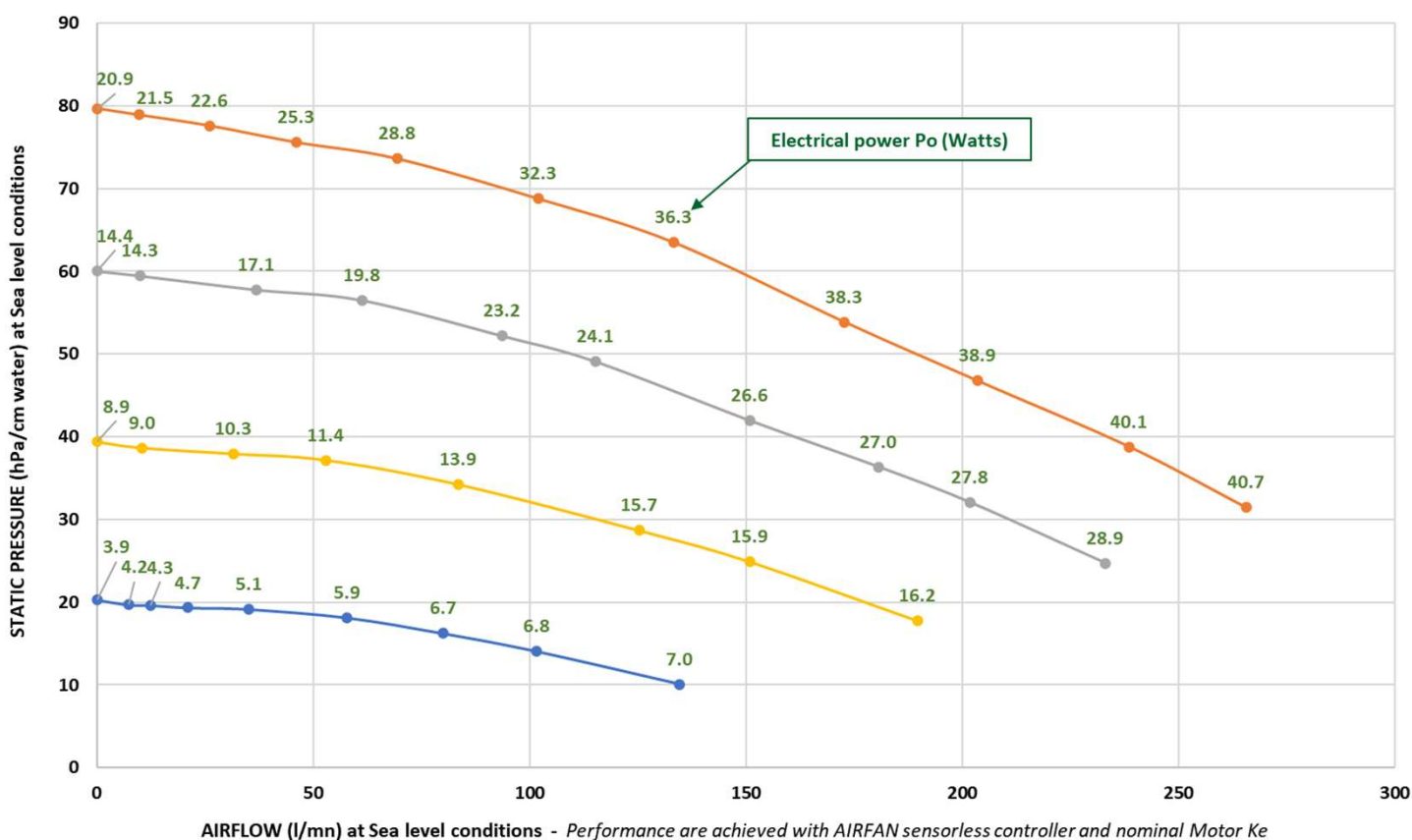


COMPRESSOR MAP

MFA0021 Turbine

Static ΔP vs Airflow at Constant PWM and 24Vdc

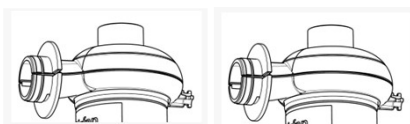
PWM = Pulse Width Modulation



CUSTOMISATION



☒ with or without inlet tube



☒ Optional wiring harness



**CUSTOMISE TO
YOUR
SPECIFICATIONS**

