

MFA0208

Blower designed for specific integration with Blended Air - 100% O₂ safe

Naked turbine architecture with **patented independent motor cooling system**. Allows **O₂ to be injected before the turbine** and specifically designed for high acceleration to **150 BPM** for **neonate applications**.



**designed for high
BPM applications**

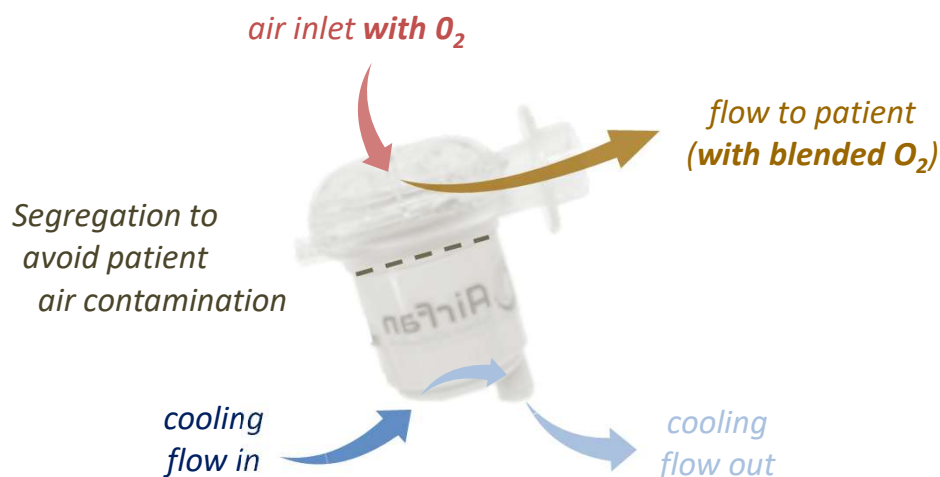
PERFORMANCES

ΔP max @24V		70 hPa	fully closed
Q max @24V		340 l/mn	fully opened
Typical w/p @30 l/mn		P = 11.3 (W)	@30 hPa
		P = 21.0 (W)	@60 hPa
LifeTime (L10)		> 40 000 hours*	
Type		Naked turbine	

* LifeTime expectancy based on standard operating conditions

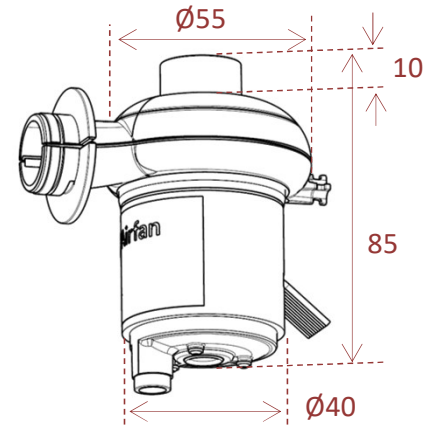
 Dynamic transient time*	< 97 ms	@3A max
	< 92 ms	@6A max
	< 86 ms	@10A max
<i>* from 5 to 60 hPa @30 l/mn</i>		
 Noise Level*	< 50 dBa	@10 hPa
	< 61 dBa	@30 hPa
	< 66 dBa	@60 hPa

* with Blower inlet @1m



TECHNICAL DATA

Voltage supply	24 VDC (nom) 28 VDC (max)
Motor type	Brushless with Hall-effect sensors
Dimensions (casing)	Ø55 x 85 mm (Ø2.2 x 3.4 in)
Weight	0.45 kg (~ 1.00 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	100% O2 compatible

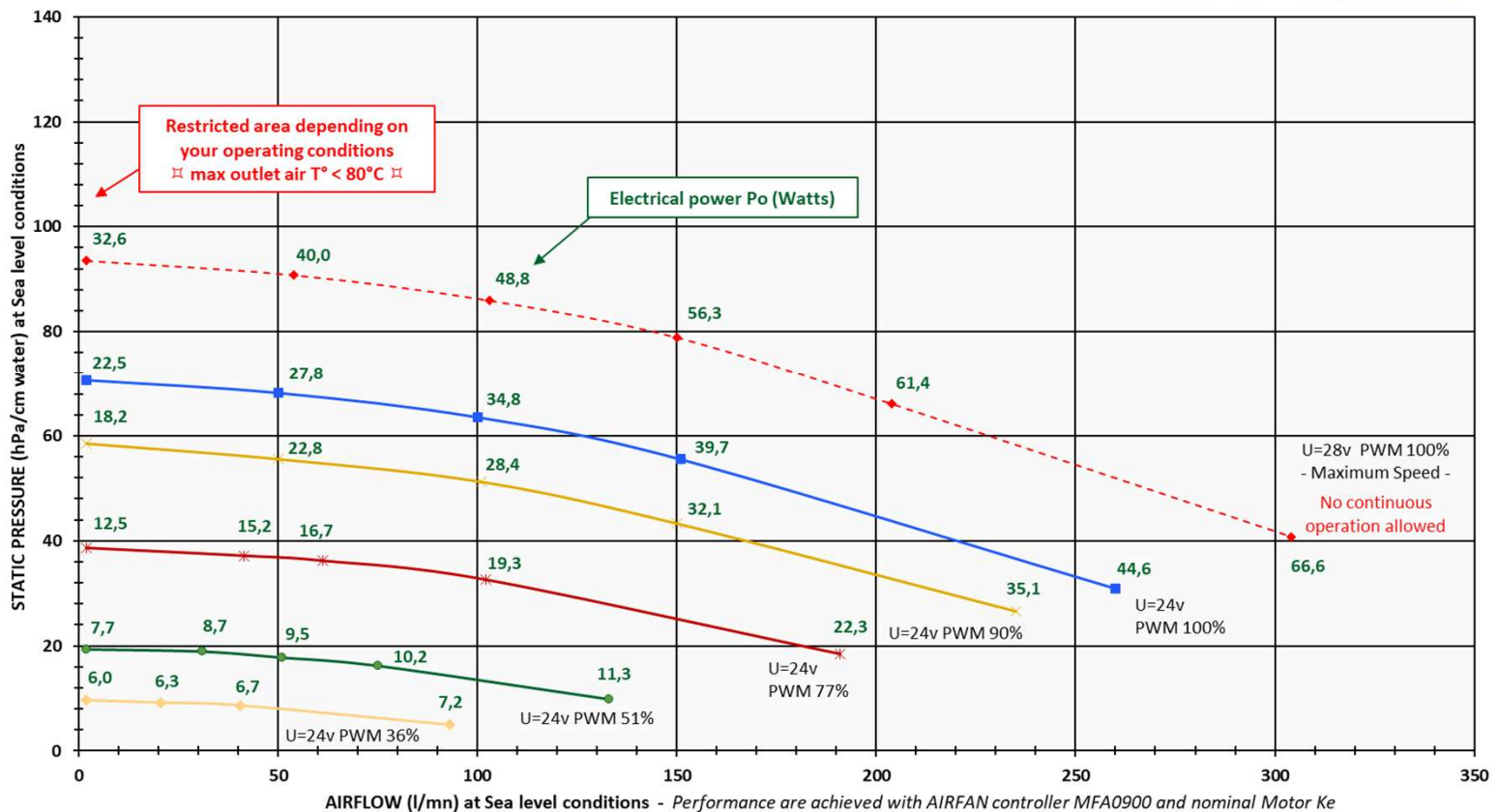


COMPRESSOR MAP

MFA0208 Turbine

Static ΔP vs Airflow at Constant PWM and Motor Voltage

PWM = Pulse Width Modulation



CUSTOMISATION



☒ with or without inlet tube



☒ Wire Length 150mm or custom



CUSTOMISE TO YOUR SPECIFICATIONS



All values listed are typical values with tolerance classification grade 4 according to standard ISO 13348

