

# MFA0248

## Blower for Blended O<sub>2</sub> & Transport care

Specific blower architecture with **patented motor cooling system fully independent** from the air inlet flow. This blower offers a **special vibration and noise reduction housing** designed for **portable applications**, including emergency care.

**New product**



**Available only on specific request**

**designed for high BPM applications**

### PERFORMANCES

<b>ΔP max @24V</b>		<b>70 hPa</b>	<b>fully closed</b>
<b>Q max @24V</b>		<b>320 l/mn</b>	<b>fully opened</b>
<b>Typical w/p @30 l/mn</b>		<b>P = 11.3 (W)</b>	<b>@30 hPa</b>
		<b>P = 21.0 (W)</b>	<b>@60 hPa</b>
<b>LifeTime (L10)</b>		<b>&gt; 40 000 hours*</b>	
<b>Type</b>		<b>Casing integration</b>	

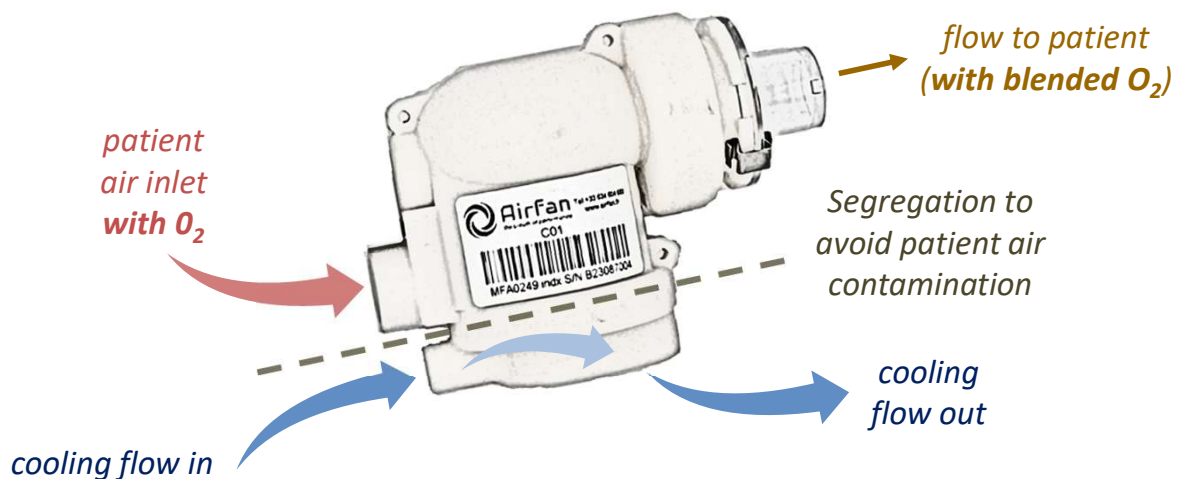
\* LifeTime expectancy based on standard operating conditions

 <b>Dynamic transient time*</b>	<b>&lt; 97 ms</b>	<b>@3A max</b>
	<b>&lt; 92 ms</b>	<b>@6A max</b>
	<b>&lt; 86 ms</b>	<b>@10A max</b>

\* from 5 to 60 hPa @30 l/mn

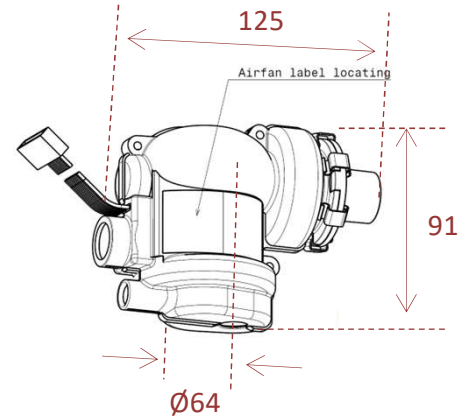
 <b>Noise Level*</b>	<b>&lt; 52 dBa</b>	<b>@30 hPa</b>

\* with Blower inlet @1m



## TECHNICAL DATA

<b>Voltage supply</b>	<b>24 VDC (nom)   28 VDC (max)</b>
<b>Motor type</b>	Brushless with Hall-effect sensors
<b>Dimensions (casing)</b>	<b>125 x 91 x Ø64 mm (4.9x3.6xØ2.5 in)</b>
<b>Weight</b>	<b>0.23 kg (~ 0.51 Lb)</b>
<b>Integration</b>	works in any position/orientation
<b>Temperature</b>	-20 to +50°C ambient
<b>Humidity</b>	0 to 95% RH non condensing
<b>Atmospheric pressure</b>	700 to 1100 hPa
<b>Oxygen compatibility</b>	100% O2 compatible

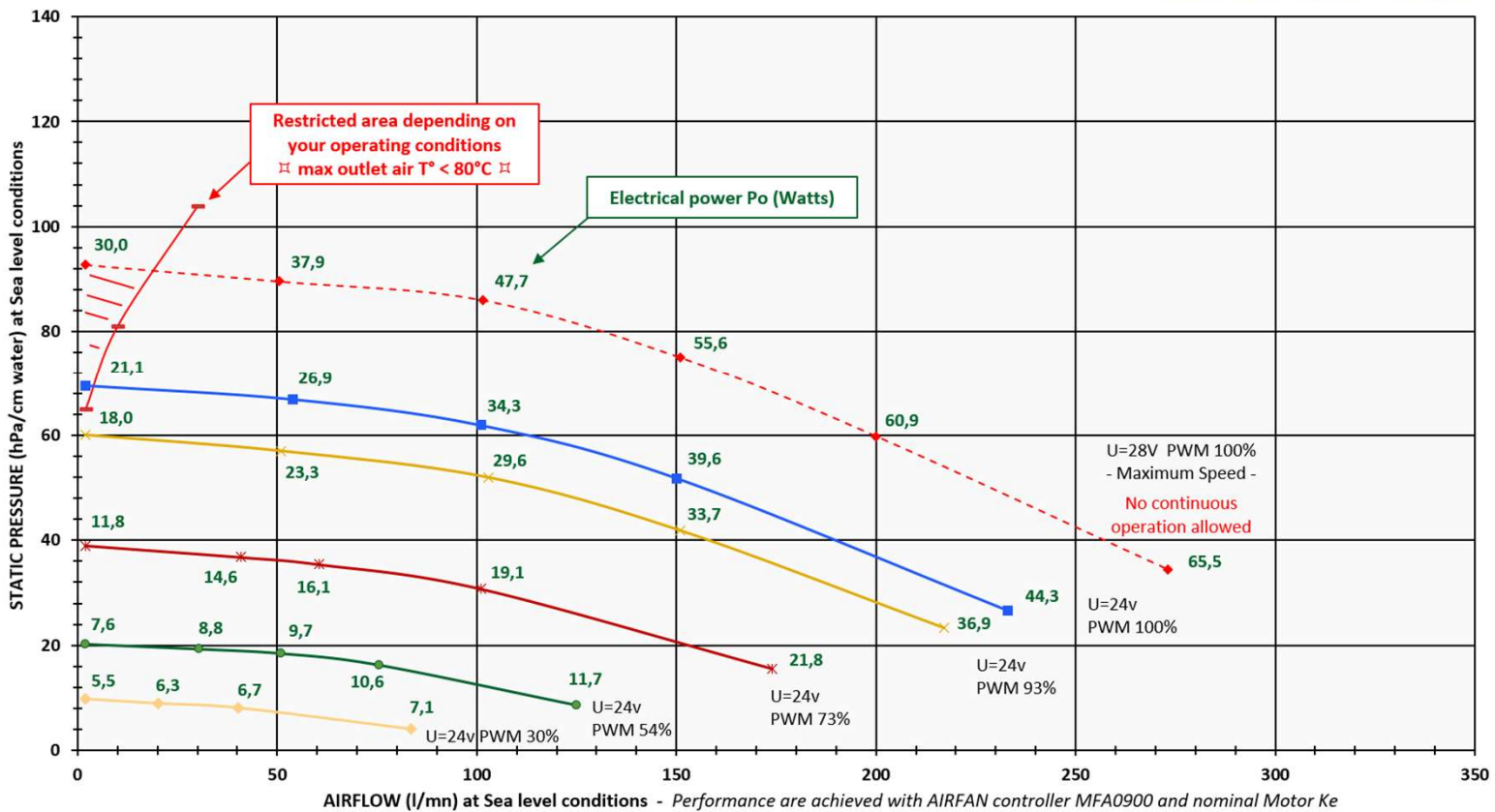


## COMPRESSOR MAP

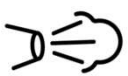
### Static ΔP vs Airflow at Constant PWM and Motor Voltage

PWM = Pulse Width Modulation

#### MFA0248 Turbine



## CUSTOMISATION



Outlet port

- Outlet port male or female connector (22Ø ISO5356-1) or additional auxiliary ports



- Wire Length 150 or custom



- Custom label



**CUSTOMISE TO YOUR SPECIFICATIONS**

