

MFA0296

Blower for Blended or 100% Oxygen

With its **patented motor cooling system independent** from the air inlet flow, this turbine guarantees a **fully homogeneous Air-Oxygen blend**.
The **MFA0296** is specifically designed for high acceleration up to **150 BPM** for **neonate applications**.



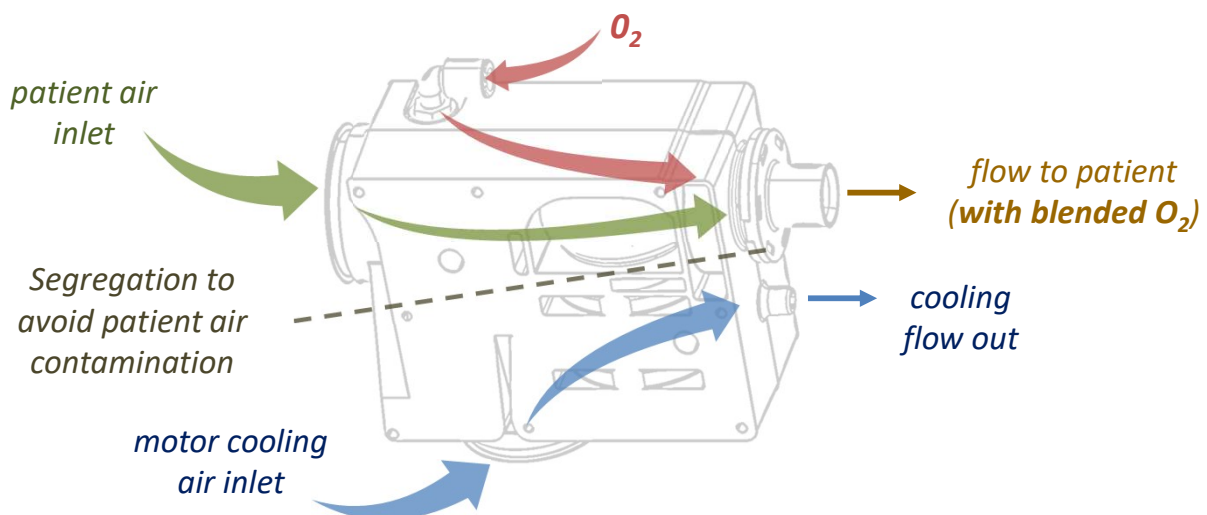
**designed for high
BPM applications**

PERFORMANCES

| | | | |
|-----------------------------|--|---------------------------|-----------------|
| ΔP max @24V | | 70 hPa | static pressure |
| Q max @24V | | 320 l/mn | freeflow |
| Typical w/p @30 l/mn | | P = 10.7 (W) | @30 hPa |
| | | P = 19.9 (W) | @60 hPa |
| LifeTime (L10) | | > 40 000 hours* | |
| Type | | Casing integration | |

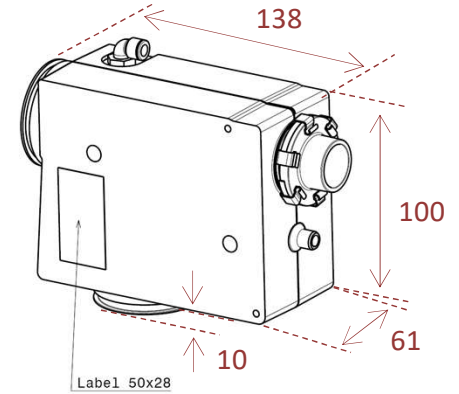
* LifeTime expectancy based on standard operating conditions

| | | |
|------------------------------------|--------------------|----------|
| Dynamic transient time* | < 97 ms | @3A max |
| | < 92 ms | @6A max |
| | < 86 ms | @10A max |
| * from 5 to 60 hPa @30 l/mn | | |
| Noise Level* | < 29 dBa | @10 hPa |
| | < 41 dBa | @50 hPa |
| | < 48 dBa | @100 hPa |
| * with Blower inlet @1m | | |



TECHNICAL DATA

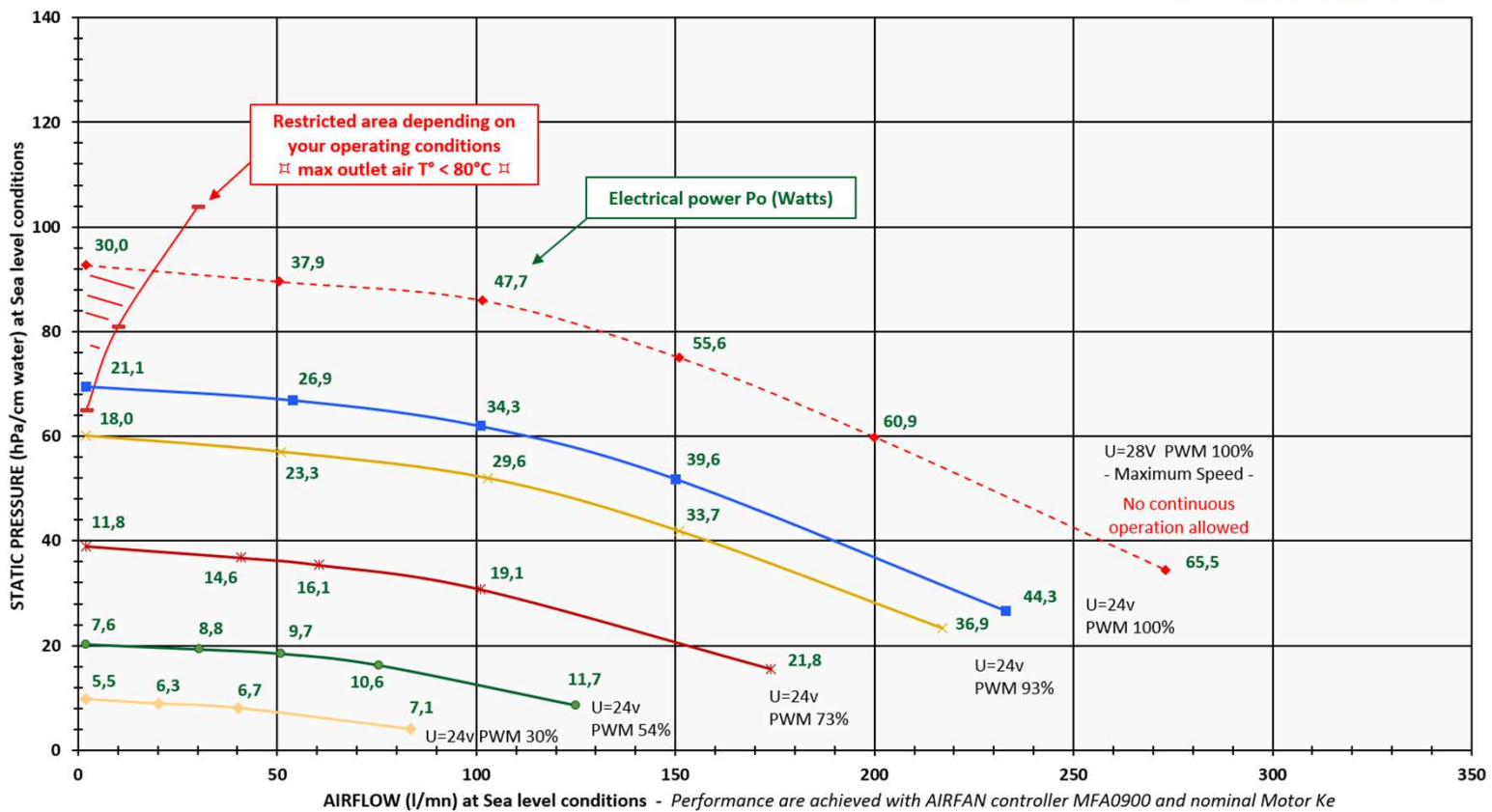
| | |
|----------------------|--|
| Voltage supply | 24 VDC (nom) 28 VDC (max) |
| Motor type | Brushless with Hall-effect sensors |
| Dimensions (casing) | 130 x 100 x 61 mm (5.3 x 3.9 x 2.4 in) |
| Weight | 0.45 kg (~ 1.00 Lb) |
| Integration | works in any position/orientation |
| Temperature | -20 to +50°C ambient |
| Humidity | 0 to 95% RH non condensing |
| Atmospheric pressure | 700 to 1100 hPa |
| Oxygen compatibility | 100% O2 compatible |



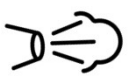
COMPRESSOR MAP

Static ΔP vs Airflow at Constant PWM and Motor Voltage
PWM = Pulse Width Modulation

MFA0296 Turbine



CUSTOMISATION



Outlet port

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



- O-ring for air inlet



- Custom label



CUSTOMISE TO YOUR SPECIFICATIONS



- Inlet filter for motor cooling



- Wire Length 150 or custom

