

MFA0801

Blower for Cough Assist Devices

An AIRFAN blower design with its **patented motor cooling system**

With its high flow capability and reverse mode the **MFA0801** is used in medical application for cough assistance devices. It is derived from the **MFA0800** with O₂ injection before the turbine**.

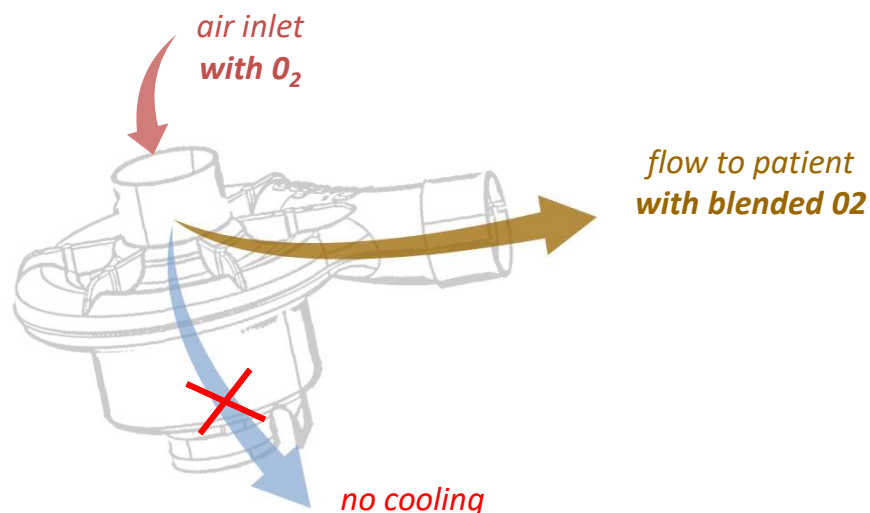


PERFORMANCES

ΔP max @24V		+95 / -85 hPa fully closed	 Dynamic transient time*	< 137 ms @3A max
Q max @24V		700 l/mn fully opened		< 95 ms @6A max
Typical w/p @30 l/mn		P = 15.2 (W) @30 hPa P = 30.4 (W) @60 hPa		< 82 ms @10A max
LifeTime (L10)		> 25 000 hours*	 Noise Level*	< 52 dBa @10 hPa
Type		Naked turbine		< 65 dBa @30 hPa
				< 72 dBa @60 hPa

* LifeTime expectancy based on standard operating conditions

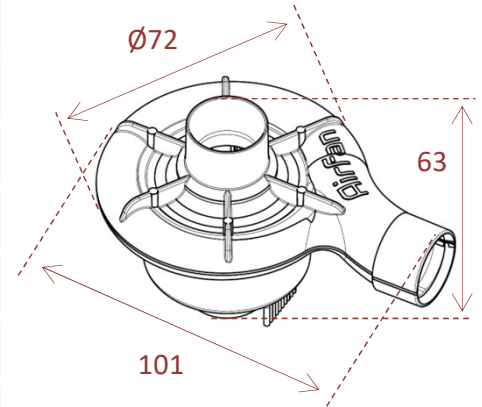
* with Blower inlet @1m



** Oxygen compatibility and lifetime depending on customer operating conditions

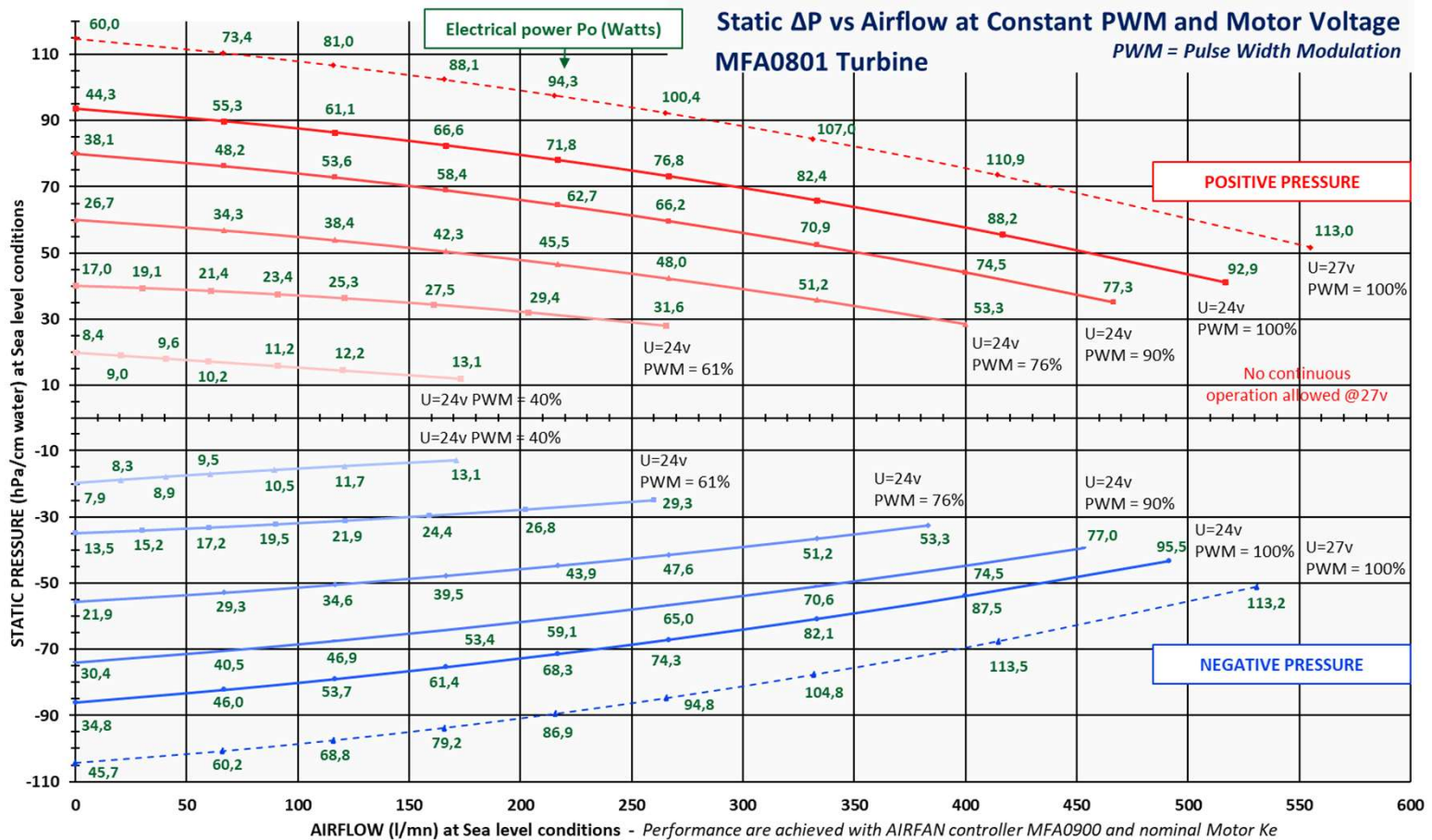
TECHNICAL DATA

Voltage supply	24 VDC (nom) 27 VDC (max)
Motor type	Brushless with Hall-effect sensors
Dimensions (casing)	Ø72 x 63 mm (Ø2.75 x 2.5 in)
Weight	0.14 kg (~ 0.3 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	depending on customer operating conditions



COMPRESSOR MAP

MFA0801 Turbine



CUSTOMISATION



☒ Wire Length 150 or custom



**CUSTOMISE TO
YOUR
SPECIFICATIONS**



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

