

# MFA0801

## Blower for Cough Assistance

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 machine. It is derived from **MFA0800** with O<sup>2</sup> injection before the turbine\*\*.



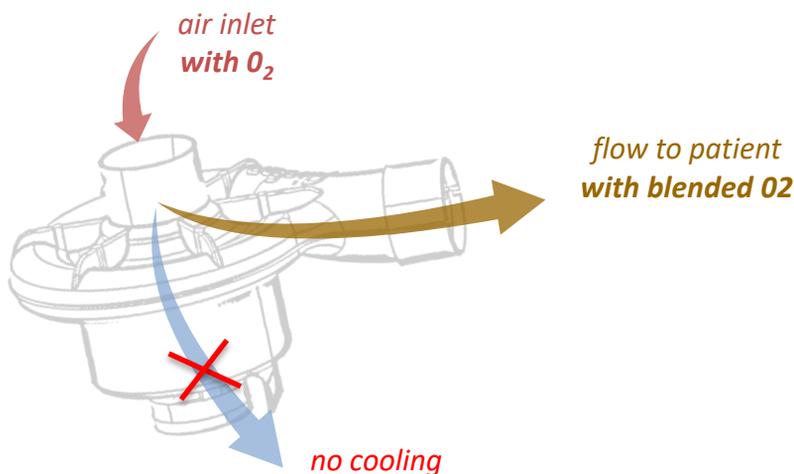
### PERFORMANCES

<b>ΔP max @24V</b>		<b>+95 / -85 hPa fully closed</b>
<b>Q max @24V</b>		<b>700 l/mn fully opened</b>
<b>Typical w/p @30 l/mn</b>		<b>P = 15.2 (W) @30 hPa</b>
		<b>P = 30.4 (W) @60 hPa</b>
<b>LifeTime (L10)</b>		<b>&gt; 25 000 hours*</b>
<b>Type</b>		<b>Naked turbine</b>

\* LifeTime expectancy based on standard operating conditions

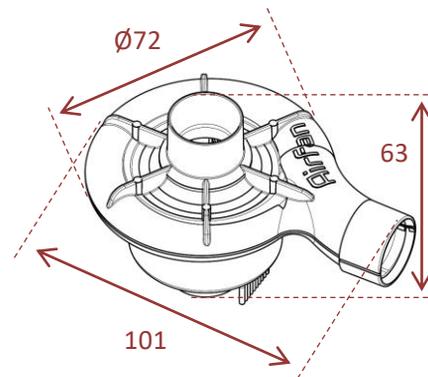
 <b>Dynamic transient time*</b>	<b>&lt; 137 ms</b>	<b>@3A max</b>
	<b>&lt; 95 ms</b>	<b>@6A max</b>
	<b>&lt; 82 ms</b>	<b>@10A max</b>
* from 5 to 60 hPa @30 l/mn		
 <b>Noise Level*</b>	<b>&lt; 52 dBa</b>	<b>@10 hPa</b>
	<b>&lt; 65 dBa</b>	<b>@30 hPa</b>
	<b>&lt; 72 dBa</b>	<b>@60 hPa</b>

\* with Blower inlet @1m

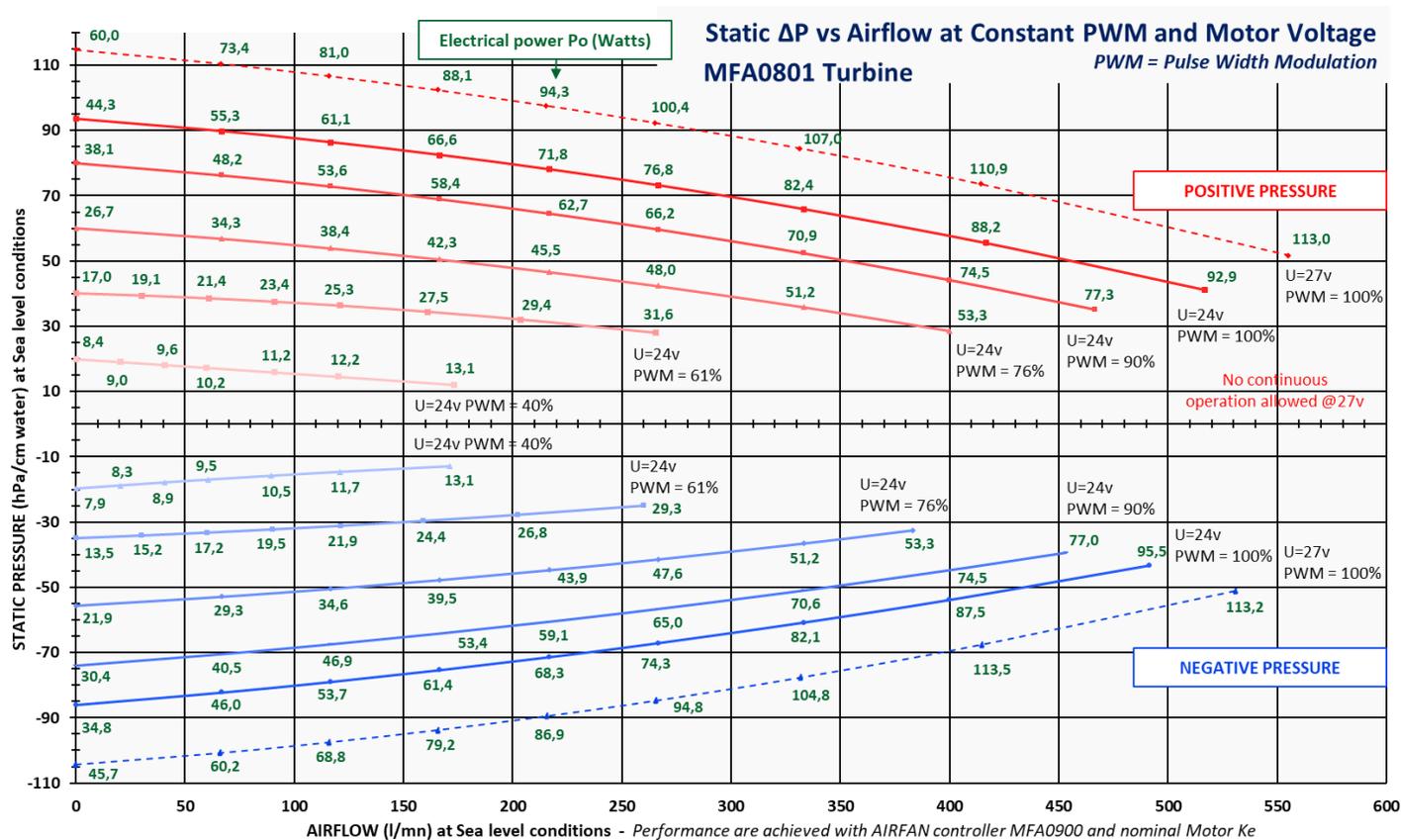


## TECHNICAL DATA

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	-20 to +50°C ambient
Humidity	0 to 95% RH non condensing
Atmospheric pressure	700 to 1100 hPa
Oxygen compatibility	depending on customer operating conditions



## COMPRESSOR MAP



## CUSTOMIZATION



Wire Length 150 or custom



ASK FOR YOUR CUSTOMIZATION

