



# 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 O<sub>2</sub> injection before the turbine\*\*.

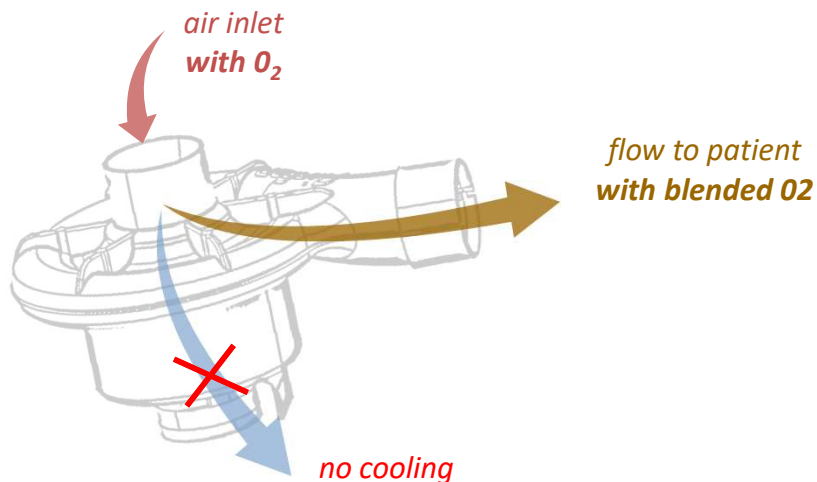


### PERFORMANCES

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

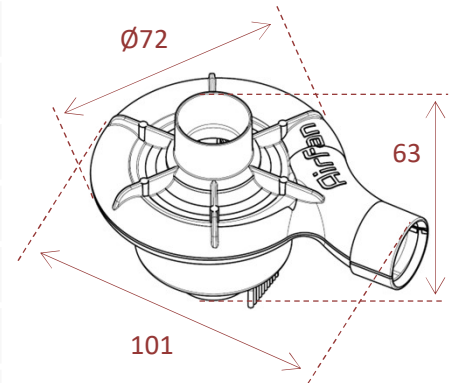
\* LifeTime expectancy based on standard operating conditions

\* with Blower inlet @1m

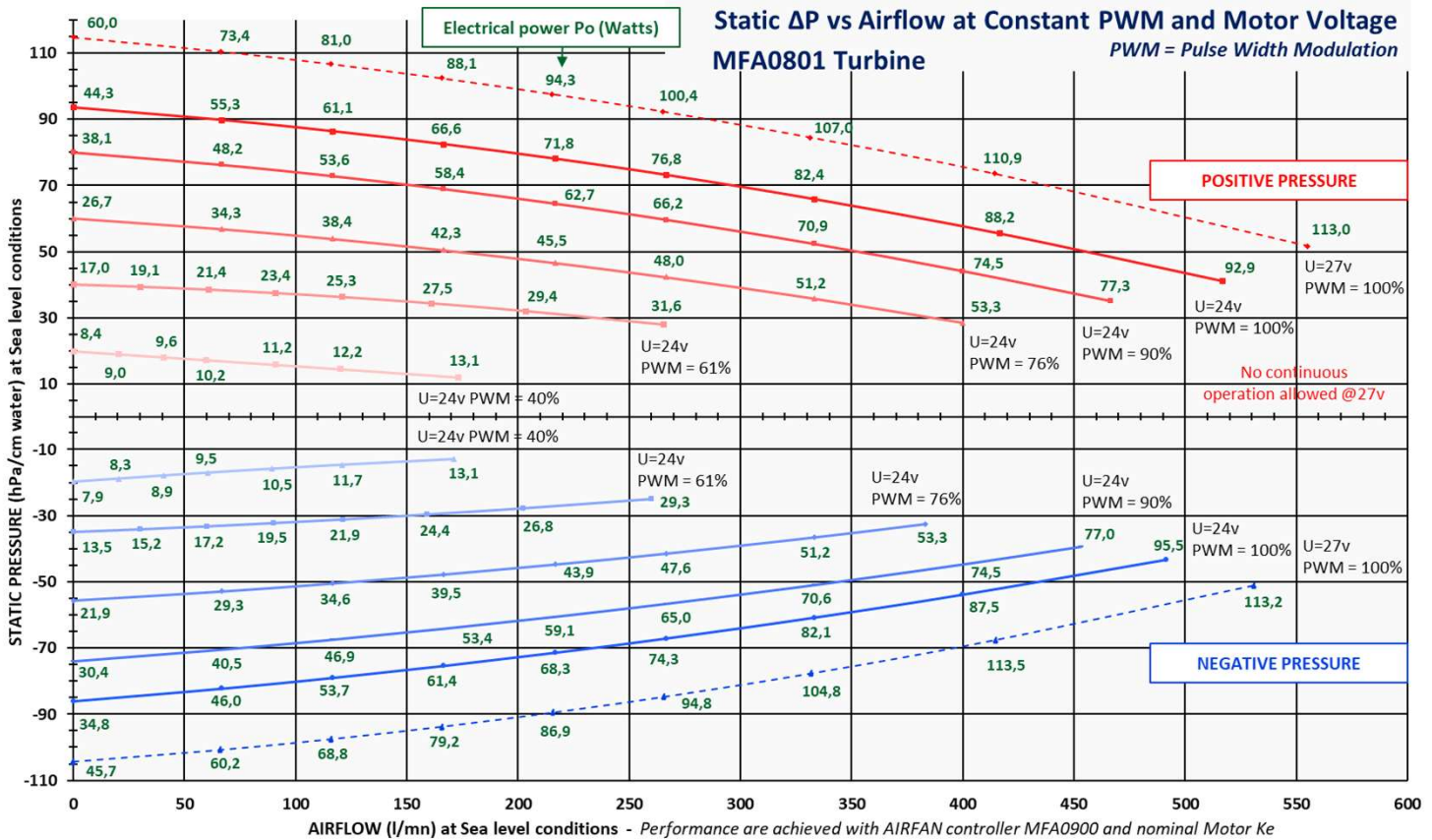


## TECHNICAL DATA

|                      |  |
|----------------------|--|
| 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



## CUSTOMISATION



Wire Length 150 or custom



**CUSTOMISE TO YOUR SPECIFICATIONS**

