

# AIRFAN MICRO BLOWERS PORTFOLIO 2025

All specification are typical values achieved with AIRFAN motor controller and nominal Motor Ke. Refer to the technical specification

| Blower reference                                                                                                                                                                                                                                                                                     |                           | O <sub>2</sub> before the turbine (blended O <sub>2</sub> )                         | Motor cooling (lifetime)                                                            | ΔP max (hPa) 24V (zero flow) | Q max (Lpm) 24V (free air) | Rise time (ms) 24V (5 to 60hPa) | Noise emission (dBa) (@1m) | Lifetime L10 (hours) (std conditions) | Data sheet                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------|----------------------------|---------------------------------|----------------------------|---------------------------------------|---------------------------------------------------------------------------------------|
| <b>With Sound proofing housing</b><br><br><i>The BlueBox</i><br><br>                                                                                                                                                 | <u>MFA0500</u>            |    |    | 110                          | 380                        | < 68 @10A                       | < 40 @50hPa                | > 40 000 h                            |    |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0296</u>            |    |    | 70                           | 320                        | < 86 @10A                       | < 41 @50hPa                | > 40 000 h                            |    |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0300</u>            | ---                                                                                 |    | 90                           | 320                        | < 68 @10A                       | < 40 @50hPa                | > 40 000 h                            |    |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0290</u>            | ---                                                                                 |    | 76                           | 270                        | < 84 @10A                       | < 41 @30hPa                | > 40 000 h                            |    |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0295</u>            |    | ---                                                                                 | 77                           | 290                        | < 84 @10A                       | < 41 @30hPa                | > 25 000 h                            |    |
| <b>Portable housing</b><br><br>                                                                                                                                                                                      | <u>MFA0249</u> <i>New</i> |    |    | > 110                        | > 340                      | < 86 @10A                       | < 52 @30hPa                | > 40 000 h                            |    |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0248</u> <i>New</i> |    |    | 70                           | 320                        | < 86 @10A                       | < 52 @30hPa                | > 40 000 h                            |    |
| <b>Without Housing</b><br><br><br><br><br><br> | <u>MFA0208</u>            |   |   | 70                           | 340                        | < 86 @10A                       | < 61 @30hPa                | > 40 000 h                            |   |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0206</u>            |  | ---                                                                                 | 79                           | 300                        | < 84 @10A                       | < 61 @30hPa                | > 25 000 h                            |  |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0205</u>            | ---                                                                                 |  | 78                           | 280                        | < 84 @10A                       | < 61 @30hPa                | > 40 000 h                            |  |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0801</u>            |  | ---                                                                                 | +95/-85                      | 700                        | < 82 @10A                       | < 65 @30hPa                | > 25 000 h                            |  |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0800</u>            | ---                                                                                 |  | +95/-85                      | 660                        | < 82 @10A                       | < 65 @30hPa                | > 40 000 h                            |  |
|                                                                                                                                                                                                                                                                                                      | <u>MFA0810</u> <i>New</i> |  | ---                                                                                 | 130                          | 700                        | ---                             | ---                        | > 40 000 h                            |  |

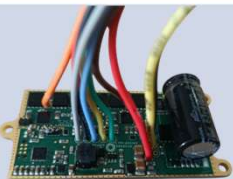
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## HOME CARE – CPAP / BiPAP

| MFA0020 / MFA0021<br>Brushless without Hall-effect sensors                       |                              | O <sub>2</sub> before the turbine (blended O <sub>2</sub> )                       | Motor Cooling                                                                     | ΔP max (hPa) 24V (zero flow) | Q max (Lpm) @max speed (free air) | Q max (hPa) @ max speed (zero flow) | Noise emission (dBa) | LifeTime L10 (hours) | Data Sheet                                                                          |
|----------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------|-----------------------------------|-------------------------------------|----------------------|----------------------|-------------------------------------------------------------------------------------|
|  | <u>MFA0020</u><br><b>New</b> | ---                                                                               |  | 80 hPa                       | 350 (28v)                         | 106 (28v)                           | < 61 dBa @ 30 hPa    | > 35 000             |  |
|                                                                                  | <u>MFA0021</u><br><b>New</b> |  | ---                                                                               | 80 hPa                       | 360 (28v)                         | 108 (28v)                           | < 61 dBa @ 30 hPa    | > 25 000             |  |
| Customisation<br>s                                                               | Optional wiring harness      |                                                                                   |                                                                                   |                              | With or without inlet tube        |                                     |                      |                      |                                                                                     |

# AIRFAN DRIVER PORTFOLIO 2025

| Driver Reference                                                                   |                                | Compatible Turbine                                         | Supply Voltage | Temperature Range | Motor Speed |
|------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------|----------------|-------------------|-------------|
|   | <u>MFA0906</u><br>(sensored)   | Control for all turbines<br>(except MFA00020 /<br>MFA0021) | 14 – 42 V      | 20 – 60 °C        | < 80 kRPM   |
|  | <u>MFA0901</u><br>(sensorless) | Control for MFA0020 /<br>MFA0021                           | 14 – 36 V      | 20 – 60 °C        | < 80 kRPM   |