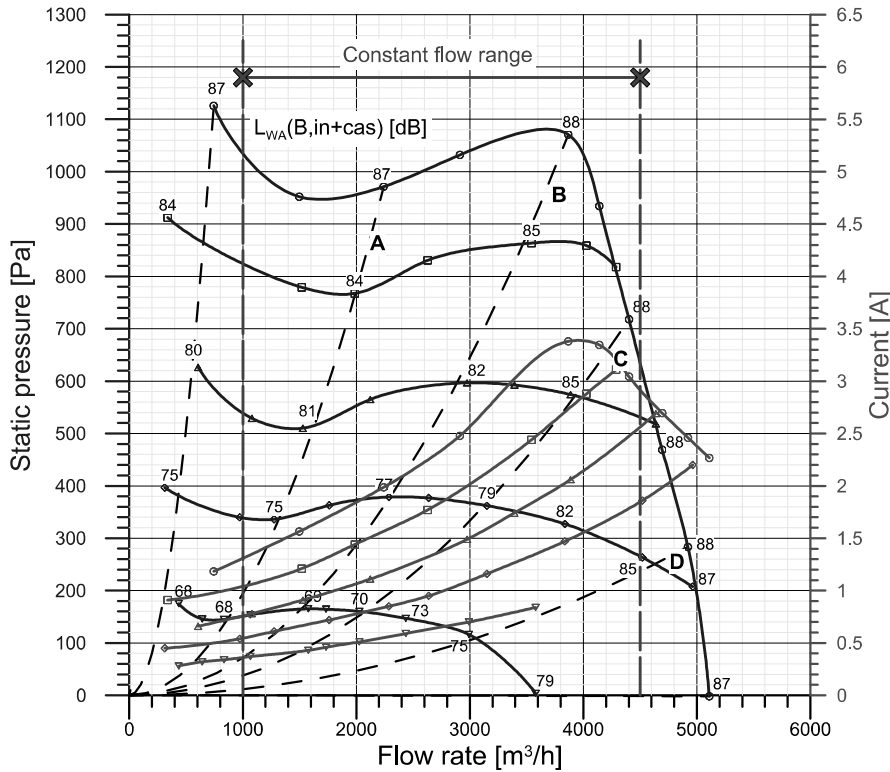


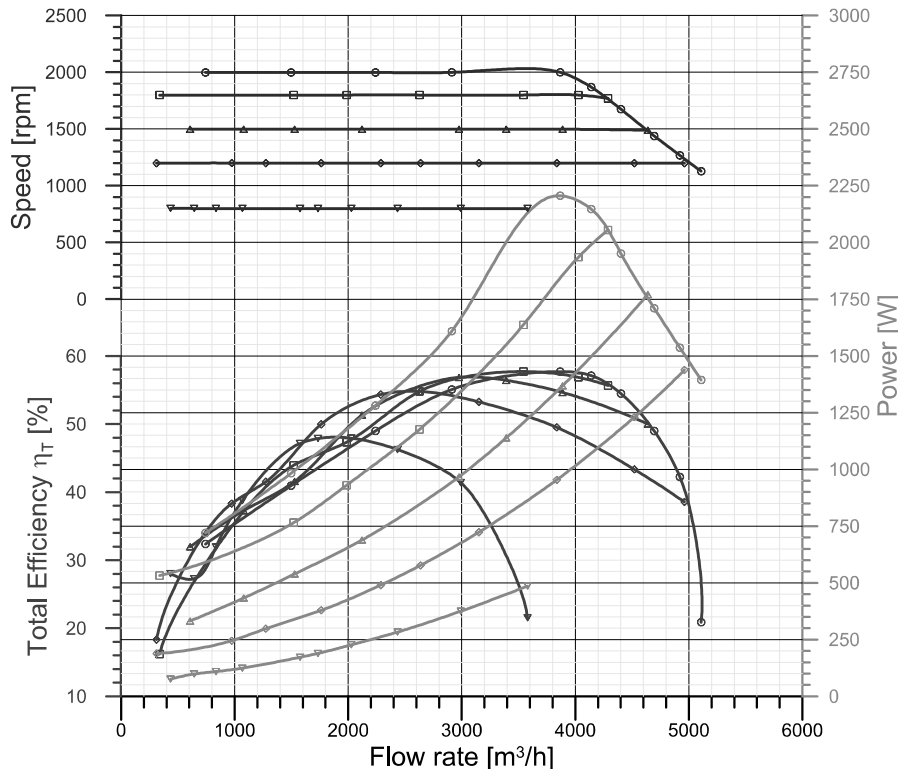
Power: 2210 W (input, max) Protection Cl.: IP 54 (Motor)  
 Poles: 8 Insulation Cl.: F  
 Voltage: 400 V Thermal prot.: YES-Integral  
 Supply: 3~ Temp. Min: -20 °C  
 Frequency: 50-60 Hz Temp. Max: +40(+50) °C  
 Capacitor: n.a. Current Max: 3.43 A

Performance data referring to:  
 Standard air density  $\rho = 1.20 \text{ kg / m}^3$   
 Installation type "B": free inlet, ducted outlet  
 Sound Power Levels shown are  
 Inlet-side  $L_{WA}(B, in+cas)$ , A-weighted, in dBA

## Integral speed-control by On-board Driver 1431G0



|                                           | qv<br>m³/h | pfs<br>Pa | Pe<br>W | n<br>rpm | I<br>A | $\eta_T$<br>% |
|-------------------------------------------|------------|-----------|---------|----------|--------|---------------|
| ○ <b>Maximum performance curve (10 V)</b> |            |           |         |          |        |               |
| A                                         | 2240       | 971       | 1281    | 1998     | 1.99   | 49.0          |
| B                                         | 3867       | 1071      | 2206    | 1999     | 3.38   | 57.7          |
| C                                         | 4402       | 718       | 1951    | 1674     | 3.04   | 54.5          |
| D                                         | 4921       | 283       | 1536    | 1267     | 2.46   | 42.2          |
| □ <b>Performance at 1800 rpm</b>          |            |           |         |          |        |               |
| A                                         | 1986       | 768       | 930     | 1799     | 1.44   | 47.3          |
| B                                         | 3543       | 864       | 1637    | 1799     | 2.44   | 57.7          |
| C                                         | n.a.       | n.a.      | n.a.    | n.a.     | n.a.   | n.a.          |
| D                                         | n.a.       | n.a.      | n.a.    | n.a.     | n.a.   | n.a.          |
| △ <b>Performance at 1500 rpm</b>          |            |           |         |          |        |               |
| A                                         | 1528       | 510       | 539     | 1499     | 0.91   | 41.6          |
| B                                         | 2975       | 597       | 967     | 1498     | 1.49   | 56.9          |
| C                                         | 3887       | 574       | 1368    | 1498     | 2.06   | 54.7          |
| D                                         | n.a.       | n.a.      | n.a.    | n.a.     | n.a.   | n.a.          |
| ◇ <b>Performance at 1200 rpm</b>          |            |           |         |          |        |               |
| A                                         | 1275       | 336       | 298     | 1199     | 0.61   | 41.5          |
| B                                         | 2287       | 379       | 490     | 1199     | 0.85   | 54.3          |
| C                                         | 3150       | 362       | 723     | 1199     | 1.16   | 53.3          |
| D                                         | 4520       | 263       | 1230    | 1199     | 1.86   | 43.3          |
| ▽ <b>Performance at 800 rpm</b>           |            |           |         |          |        |               |
| A                                         | 835        | 145       | 109     | 799      | 0.34   | 31.9          |
| B                                         | 1576       | 165       | 172     | 799      | 0.43   | 47.2          |
| C                                         | 2027       | 160       | 227     | 799      | 0.51   | 47.9          |
| D                                         | 2991       | 116       | 375     | 799      | 0.70   | 41.4          |



## ErP Data acc. to Reg. 327/11/CE

Performance referred to the best efficiency duty point

Compl. with Reg. 327/11/EC: Tier II (2015)  
 Overall Efficiency ( $\eta \times C_c$ ) [%]: 61.4  
 Measurement category: B  
 Efficiency category: Total  
 Efficiency grade N [%]: 65.6  
 A variable speed drive is integrated with this fan  
 Manufactured since: 2019  
 By:  
 Regal Beloit Italy S.p.A.  
 Via Modena 18  
 24040 Ciserano - Italy  
 Power input [kW]: 2.206  
 Volume flow rate qv [m³/s]: 1.074  
 Total Pressure [Pa]: 1188  
 Speed [rpm]: 1999  
 Specific ratio: 1.012  
 Information on:

- Disassembly, recycling and disposal at end of life
- Optimal installation, use and maintenance of fans

are freely downloadable from

[www.nicotra-gebhardt.com](http://www.nicotra-gebhardt.com)

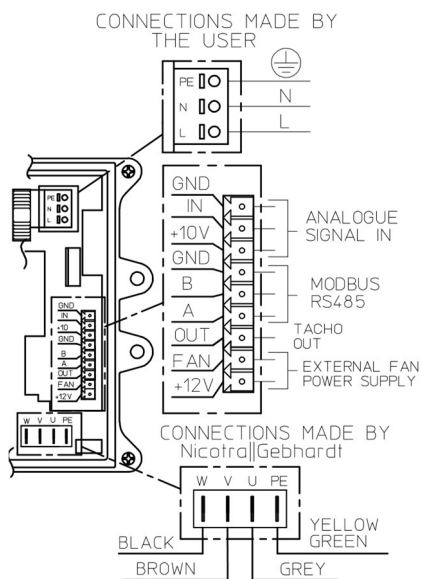
Testing is carried out with the optional components of the test airway required, according to ISO 5801:2007, for the installation type detailed here on top.

Test nr.: S5666 Date: 29/01/2019  
 Laboratory: Nicotra Gebhardt S.p.A. - Zingonia  
 Test chamber: 10000 m³/h

Produced with NG Fan Datasheet Template Ver. B-BC+FC-1.3, on 02/03/2021

This test data obtained in a laboratory registered by AMCA for AMCA 210/07 air performance testing. Data is not certified by AMCA.

## WIRING DIAGRAM SCHEMA DI COLLEGAMENTO

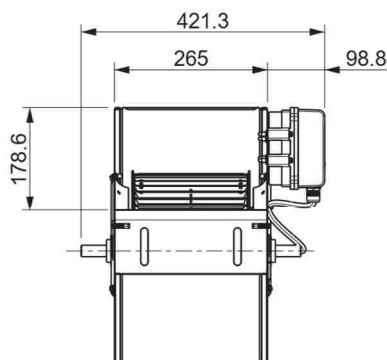
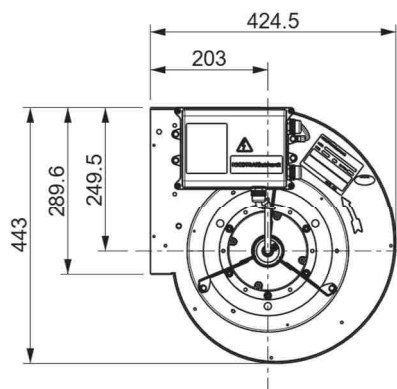


## NOISE DATA DATI DI RUMORE

| Working point |   | m³/h | Sound power level for inlet side (Lw) in dB |      |      |      |      |      |      |      | LwA  |
|---------------|---|------|---------------------------------------------|------|------|------|------|------|------|------|------|
|               |   |      | 63                                          | 125  | 250  | 500  | 1k   | 2k   | 4k   | 8kHz |      |
| 230 V / 50 Hz | A | 2240 | 87                                          | 92   | 92   | 81   | 80   | 77   | 73   | 68   | 87   |
| Fan Maximum   | B | 3867 | 73                                          | 86   | 90   | 82   | 82   | 80   | 75   | 72   | 88   |
| Working       | C | 4402 | 76                                          | 85   | 87   | 81   | 84   | 79   | 75   | 71   | 88   |
| Limit         | D | 4921 | 81                                          | 83   | 85   | 86   | 83   | 79   | 76   | 72   | 88   |
| 230 V / 50 Hz | A | 1986 | 82                                          | 90   | 89   | 78   | 77   | 75   | 71   | 65   | 84   |
| 1800 rpm      | B | 3543 | 74                                          | 84   | 87   | 80   | 80   | 77   | 73   | 69   | 85   |
|               | C | n.a. | n.a.                                        | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
|               | D | n.a. | n.a.                                        | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 230 V / 50 Hz | A | 1528 | 78                                          | 84   | 84   | 75   | 73   | 71   | 71   | 64   | 81   |
| 1500 rpm      | B | 2975 | 75                                          | 82   | 84   | 77   | 77   | 73   | 74   | 68   | 82   |
|               | C | 3887 | 73                                          | 82   | 88   | 78   | 80   | 76   | 74   | 69   | 85   |
|               | D | n.a. | n.a.                                        | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 230 V / 50 Hz | A | 1275 | 75                                          | 79   | 79   | 70   | 68   | 66   | 60   | 52   | 75   |
| 1200 rpm      | B | 2287 | 66                                          | 81   | 80   | 72   | 70   | 68   | 63   | 56   | 77   |
|               | C | 3150 | 68                                          | 85   | 80   | 74   | 74   | 72   | 67   | 61   | 79   |
|               | D | 4520 | 78                                          | 85   | 84   | 77   | 80   | 77   | 74   | 70   | 85   |
| 230 V / 50 Hz | A | 835  | 68                                          | 70   | 68   | 64   | 65   | 57   | 48   | 37   | 68   |
| 800 rpm       | B | 1576 | 64                                          | 70   | 70   | 65   | 66   | 59   | 51   | 41   | 69   |
|               | C | 2027 | 64                                          | 71   | 70   | 67   | 66   | 63   | 55   | 47   | 70   |
|               | D | 2991 | 74                                          | 72   | 74   | 71   | 70   | 69   | 64   | 58   | 75   |

## DIMENSIONAL DRAWINGS DISEGNI DIMENSIONALI

### 6DD0046ZZ0000000 – DDMP 10/8 2.2kW 400V-3F M6A4-DG0



### 6DD0046ZZ00000001 – DDMP 10/8 2.2kW 400V-3F M6A4-DG0 +FL

