

## AAVG/N

### Backward impeller



#### ■ MANUFACTURING FEATURES

- Fan made of Fe360 sheet. The fan paint finish is based on a Qualicoat polyester powder coating stoved at 200°C, with an average film thickness of 70 microns. Average heat resistance of coating is 180°C with peaks of 200°C.
- Fully welded housing.
- High efficiency single inlet backward curved impeller made of Fe360 sheet statically and dynamically balanced. Impellers are painted with epoxy primer that resists temperatures up to 300°C.
- Standard asynchronous squirrel-cage motor with IP-55 protection and class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors and 230/400V 50Hz in three phase motors up to 4kW and 400/690V 50Hz for higher powers.
- Standard orientation LG270.
- It allows adjusting the orientation locally from models 450 to 630. Models sizes from 710 to 1000 size the orientation is fixed.

#### ■ APPLICATIONS

Designed for inline installation, they are suitable for:

- Industrial applications, air extraction or injection.
- Cooling of machines and parts.
- Clean and slightly dusty air transport.
- Exhaust after filters, separators and cyclones.
- Pneumatic transport.
- Maximum working temperature: carried air 130°C; environment: 60°C.

#### ■ UNDER REQUEST

- 2 speed motors.
- Spark-proof fans with ATEX certified motor.
- Fan for air working temperatures up to 250°C with R/R (cooling impeller).
- Hot-dipped galvanised or stainless steel fans.
- Orientations: RD0, RD45, RD90, RD135, RD180, RD225, RD270, RD315, LG0, LG45, LG90, LG135, LG180, LG225, LG315.

## ACCESSORIES



**INT** pg. 312  
Safety switch



**SFC** pg. 311  
Frequency speed controller



**RA** pg. 288  
Inlet protection guard



**AC** pg. 296  
Connection flange



**JE 45** pg. 300  
Flexible joint



**SIL-C** pg. 308  
Inlet-outlet circular silencer



**EI** pg. 297  
Outlet flange



**BAD** pg. 300  
Coupling flange



**BA-400** pg.299  
Flexible flange  
400°C/2H

## ■ THREE PHASE RANGE

| Code      | Model                 | Rated R.P.M. | Rat. current (A) |      | Rated Power kW | Air flow m³/h | Sound dB (A) | Weight Kg |  |
|-----------|-----------------------|--------------|------------------|------|----------------|---------------|--------------|-----------|--|
|           |                       |              | 230V             | 400V |                |               |              |           |  |
| 502704527 | AAVG/N 450 T2 2,2kW   | 2800         | 7,97             | 4,58 | 2,2            | 1.620         | 73           | 65        |  |
| 502705032 | AAVG/N 501 T2 4kW     | 2890         | 13,3             | 7,63 | 4              | 2.520         | 74           | 93        |  |
| 502705029 | AAVG/NR 501 T2 3kW    | 2870         | 10,3             | 5,92 | 3              | 2.160         | 74           | 87        |  |
| 502705634 | AAVG/NR 561 T2 5,5kW  | 2900         | -                | 10,6 | 5,5            | 2.880         | 77           | 127       |  |
| 502705636 | AAVG/N 561 T2 7,5kW   | 2900         | -                | 14,1 | 7,5            | 3.960         | 78           | 135       |  |
| 502706321 | AAVG/NR 632 T2 11kW   | 2930         | -                | 20,8 | 11             | 4.680         | 80           | 193       |  |
| 502706321 | AAVG/N 631 T2 11kW    | 2930         | -                | 20,8 | 11             | 3.600         | 81           | 196       |  |
| 502706324 | AAVG/N 632 T2 15kW    | 2930         | -                | 27,4 | 15             | 5.400         | 81           | 198       |  |
| 502707128 | AAVG/N 711 T2 22kW    | 2940         | -                | 39,8 | 22             | 6.120         | 83           | 272       |  |
| 502707130 | AAVG/N 712 T2 30kW    | 2950         | -                | 56,6 | 30             | 7.920         | 84           | 388       |  |
| 502707126 | AAVG/NR 711 T2 18,5kW | 2935         | -                | 34,4 | 18,5           | 6.120         | 83           | 246       |  |
| 502707128 | AAVG/NR 712 T2 22kW   | 2940         | -                | 39,8 | 22             | 7.200         | 83           | 368       |  |
| 502708031 | AAVG/N 801 T2 37kW    | 2955         | -                | 66,7 | 37             | 7.920         | 88           | 440       |  |
| 502708033 | AAVG/N 802 T2 45kW    | 2960         | -                | 78   | 45             | 10.800        | 88           | 484       |  |
| 502708030 | AAVG/NR 801 T2 30kW   | 2950         | -                | 56,6 | 30             | 7.200         | 87           | 424       |  |
| 502708031 | AAVG/NR 802 T2 37kW   | 2955         | -                | 66,7 | 37             | 10.080        | 88           | 435       |  |
| 502709035 | AAVG/N 901 T2 55kW    | 2965         | -                | 95   | 55             | 7.920         | 91           | 808       |  |
| 502709037 | AAVG/N 902 T2 75kW    | 2965         | -                | 130  | 75             | 12.600        | 92           | 840       |  |
| 502709033 | AAVG/NR 901 T2 45kW   | 2960         | -                | 78   | 45             | 7.920         | 90           | 701       |  |
| 502709035 | AAVG/NR 902 T2 55kW   | 2965         | -                | 95   | 55             | 10.800        | 91           | 802       |  |
| 502710022 | AAVG/N 1001 T2 110kW  | 2975         | -                | 188  | 110            | 14.400        | 95           | 1085      |  |
| 502710023 | AAVG/N 1002 T2 132kW  | 2980         | -                | 223  | 132            | 19.800        | 95           | 1112      |  |
| 502709038 | AAVG/NR 1001 T2 90kW  | 2970         | -                | 156  | 90             | 12.600        | 94           | 920       |  |
| 502710022 | AAVG/NR 1002 T2 110kW | 2975         | -                | 188  | 110            | 18.000        | 94           | 1078      |  |