

BACKWARD BLADES IMPELLER - BELT DRIVE VCM-N

VCM-N

Belt drive, single inlet centrifugal fan. Manufactured from carbon steel protected with cataforesis primer + polyurethane paint finish RAL 7045. Working temperature range: **-20°C/+100°C continuously. Version with cooling disk up to +300°C.** Standard arrangement

- Arrangement 1: Bare shaft without transmission and motor.
- Arrangement 9: Belt drive. Motor fixed aside the support frame.
- Arrangement 12: Belt drive. Fan and motor fitted on the base frame.

Motors 2, 4 or 6 pole, IE3* high efficiency (the rpm of each motor will be adapted according to the calculation for each drive), three-phase 230/400V 50Hz up to motor size 112 and 400/690V 50Hz for higher motors. IP55 protection, class F.

*From 75kW to 200kW, the motor will be IE4. On request

- Manufactured from different materials.
- Painted in different RAL colour.
- Hot dip galvanized static parts.
- Corrosion proof construction.
- Wear proof construction.
- Motors for special applications.
- High temperature construction (up to +600°C).
- Motors suitable for VSD.

Accessories: Flexible joints, inspection door, casing drain, AV-mounts, protection nets, filter, silencer, inlet discharge governor, valves, dampers.

Gas tight construction.

Thermal insulation.



ATEX

ATEX versions On request, explosion proof versions in accordance with ATEX directive for three phase models:

Ambient temperature -20°C to +60°C, ambient pressure (abs.) 0,8 bar to 1,1 bar according to EN 14986.

- Gas: 2G IIB T2-T3-T4, Motor Exd IIB or Exell 2G IIB+H2 T2-T3-T4, Motor Exdlc 3G IIB T2-T3-T4, Motor ExnA (only for 3G zone) 3G IIB+H2 T2-T3-T4, Motor ExnA (only for 3G zone)
- Non-conductive dust: 2D IIIB T125°C-T135°C-T195°C-T295°C 3D IIIB T125°C-T135°C-T195°C-T295°C
- Conductive dust (compulsory IP 65 motor): 2D IIIC T125°C-T135°C-T195°C-T295°C 3D IIIC T125°C-T135°C-T195°C-T295°C

Attributes



Backward curved impeller