

## BACKWARD BLADES IMPELLER - DIRECT DRIVE MEC-N

### MEC-N

Direct 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. Standard arrangements •**

Arrangement 4: Impeller mounted on the B3 motor shaft supported by the pedestal. Version with cooling disk up to +220°C. • Arrangement 5: Impeller mounted on the B5 motor shaft fitted on the casing sideplate. Version with cooling disk up to +220°C. •

Arrangement 8: Flexible coupling that connects the motor to the fan shaft. Version with

**cooling disk up to +300°C. Motors 2, 4 or 6 pole, IE3\* high**

efficiency, 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. • 60 Hz**

versions. • Painted in different RAL colour. • Hot dip galvanized static parts. • Corrosion proof construction. • Wear proof construction. • Motors for special applications. • 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 Exell2G IIB+H2 T2-T3-T4, Motor Exdlc3G 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