

Radial Fans Type MPT/MPB

The manual should be available for the operating personnel all the time. The instructions should be read carefully before installation and operation of the blower. If strict notice is taken of these instructions, the blowers will operate faultlessly for years.

With reservation for alteration. If in doubt, get in touch with the manufacturer.

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A Technical data

Following data is for the fan in its basic form, however, delivered fan can differ from the basic form. See the marksign or the text "Special execution". Blowers type MPT/MPB have casing of cast aluminium, MPT has impeller of paddle type of cast aluminium and MPB impeller of sheet steel with backward curved blades. Fan MPT is suitable for dust- and material conveying and MPB for clean gas.

The temperature of the conveyed medium may not exceed 80°C. It is not permitted to use the fan in surroundings where the temperature exceeds 40°C or goes below -25°C. Conveying of explosive gases is not permitted. It is not permitted to rebuild or in any other way modify the fan. Special features that can be used in other surroundings than above can be offered on request and clarification with the manufacturer.

Rating plate



When connecting, maintenance or ordering of spareparts, pay attention to data on the marksign in first instance.

Special executions

Temperature barrier, EEx motors, housing and impeller in other materials, can be delivered on request and after clarification with the manufacturer.

B Warranty

Warranty is valid in accordance with General conditions Orgalime S92 and only if these instructions are strictly adhered to.

C Safety

Following safety instructions must be carefully followed with regard to preventing injury or damage to surrounding equipment and to the fan itself.

1 Suction

Warning!

Centrifugal fans have high suctionpower. Objects, clothing and hair can easily be sucked in to the fan and cause injury. Make sure that there are no persons nearby the inlet side when the fan operates. Protection guard may be removed only if it is replaced with a hose or pipe of at least 1 m. The fan must never operate without a wire guard because the rotating impeller can cause serious injury.

2 Discharge side

Warning!

There is a powerful stream of air from the discharge side. Foreign bodies that might have been sucked in to the fan can be thrown out at high speed and cause injury. Never put the hand directly at the discharge opening.

3 Temperature

Warning!

When the fan operates the fanhousing takes the temperature of the conveyed media. If that temperature exceeds 50°C the fan must be protected from direct contact to prevent burninjury.

4 Electrical connection

Warning!

Electrical connection must be made by skilled labour only. The drivemotor should be protected with an overload switch.

5 Permitted applications

Warning!

MPT/MPB-fans are not to be used for conveying aggressive, toxic or air with high humidity or gas or explosive air-gas mix.

6 Sound level

The sound pressure level is not the same over the fans whole range. In some cases it is necessary to use a silencer. We recommend the user to check the sound pressure level.

D Installation

1 Transportation

Check all parts for damage during transportation and that the impeller runs free inside the housing. The blowers are to be installed in weather-protected places and are not to be stored outdoors unprotected. Mount hoisting hook carefully, and do only use lifting arrangements with sufficient strength.

2 Arrangements and assembling

Mount the fan horizontally or vertically in a weather-protected place. Make sure that the fan is protected from vibration and shock. Supply open inlet and discharge openings with guards according to valid regulations. Make sure that the drive motor is supplied with sufficient ventilation. The permitted maximum temperature of surroundings is 40°C.

3 Electrical connection

Attention!

The operations described in this part is to be made by skilled labour only. Connect the fan in accordance with the wiring diagram in the terminal box. The respective VDE regulations and the directions of the local power supply company are to be complied with.

The fan is equipped with a drivemotor for single- or three-phase AC. The motor should be protected with an overload switch. Connection to earth is to be found in the terminal box.