

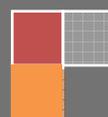
2010



Instruction Fans

LPM

Instructionen gives information and documentation about the fans. The instructions must be read and understood by all personnel concerned before any work with the product is begun.



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Instruction Axialfans

LPM

1. General

The LPMA fans are suitable for air conditioning as well as for industrial installations. The air flow range of the LPMA fan is up to 7 m³/s (25000m³/h), pressure increase up to 600 Pa (60 mm vp). The LPMA fan is available in two models:

LPMA-1 for mounting to wall.

LPMA-6 for connection to duct

The fan motor is located directly in the air flow. Therefore the temperature of the transported air is limited to 40°C. The air must not contain aggressive or explosive components. The fan is, as standard, manufactured for 3-phase operation.

Safety Guards

In accordance with the Labour Welfare Act and the directives of the National Board of Occupational Safety and Health, adequate protection is required for rotating machine parts.

2. Speed regulation

The LPMA fans can, in some cases, be used for stepless speed regulation.

3. Design

LPMA An1 Mounting to wall

contains a 3-phase asynchronous motor, placed on a strong bracket. The wall ring has a stream lined inlet and is provided with four lugs for mounting to wall. Both wall ring and bracket are manufactured of galvanized sheet steel.

LPMA An6 connection to duct

contains a 3-phase asynchronous motor, placed on a strong bracket. The casing is manufactured of strong galvanized sheet steel and is, in both



ends, provided with connection flanges. The casing is provided with inspection door and cable entry.

Installation and anchoring

All the fans are thoroughly tested and test-run prior to delivery.

The rotating parts in the centrifugal fans have been both statically and dynamically balanced.

The fan is not clear for use until it is installed in a machine, ventilation equipment or other type of ventilation installation.

It is important to control distance between impeller and fan casing. The distance have to be constant.

4. Axial fan propellor

The blades of the LPMA propellor are manufactured of plastic and its' hub is of silumin. The propellor has a temperature working range of -40°C up to 80°C. The propellor can, for special cases, be delivered completely in silumin.

5. Maintenance

Check necessity of cleaning of fan and motor at least twice per year. Depending on the type of dirt the fan is vacuum cleaned or cleaned with a mild, non-corrosive detergent. The motor is brushed off or gently cleaned with a mild, non-corrosive detergent

