Axial fans

MPV A1K

The standard axial fan designed for heavy duty work in demanding conditions such as in marine and offshore settings. It can be used in a wide range of applications. The fan can be delivered with multiple accessories and customizations, including certified ATEX, IECEx , and UKCA execution.

Standard sizes
250 – 1.600 mm

Air flow
200 – 250.000 m3/h

Static pressure
20 – 2.200 Pa

Engine power
0 – 200kW

Summary

Design

A simple and robust design often makes this the most cost-effective alternative. The model is most suitable for high air volumes and low to medium/moderate pressures.

The fan can also be delivered with guide vanes (MPV D1K) to reach higher pressures and efficiency.

Execution

The MPV fans are heavy duty fans designed for demanding conditions and are manufactured in hot dip galvanized mild steel.

The fans can also be made in stainless steel (AISI304 and 316) and aluminium.

Casings can be delivered with painted surface according to client specifications, including offshore standards.

Impeller

Impellers are either made in sea water resistant aluminium or reinforced polypropylene (PPG) or polyamide (PAG) with customized pitch.

The impellers can also be delivered as electro anti-static reinforced polyamide (PAGAS).

All impellers are balanced and can be delivered as reversible versions.

Special impellers (AISI or other) can be available upon request.

Motor

The motors are as standard squirrel-cage induction motors in marine execution. Motors are IP55 and insulation class F as standard.

Motor prepared for frequency converter is available on request.

The fans can also be equipped with EX motors class Exe (increased safety), Exd or Exde (explosion-/flameproof) or EXN motor.

Customizations

- Thick casing: 6,8 or 10mm thickness
- Spark proof execution
- Shorter casing
- Special bolt division circle
- Guide vanes
- 2-speed motor
- Heating on motor

Accessories

- Counter flanges
- Foundation
- Protection grid
- Flexible connection
- Feet for horizontal or vertical mounting
- External terminal box
- Separate inlet cone
- External lubrication points for motor (outside casing)
- Vibration monitoring of motor (on motor or outside casing)
- PTC sensors

Gallery

Downloads

Documentation

Detailed specifications

IOM Manual

Drawings