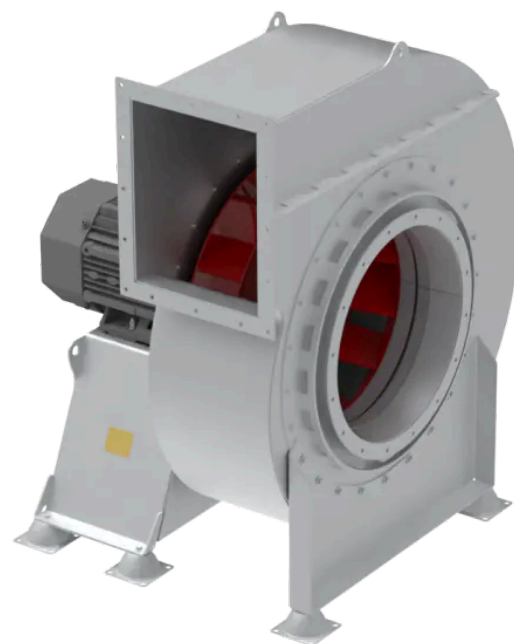


# MSV


The MSV is a medium-pressure centrifugal fan that can be used both as supply and exhaust fans. Originally designed for marine use but has found a variety of applications in other sectors as well. The MSV is ideal for pressures up to 7000Pa and up to 95.000 m3/h airflow.

The fans can be delivered as ATEX/IECEX certified.



 Standard sizes  
125 – 900 mm

 Air flow  
200 – 95.000  
m3/h

 Static pressure  
20 – 7.000 Pa

 Engine power  
0 – 150kW

## Summary

---

### Design

The MSV fans are single inlet centrifugal fans with direct drive as a standard. The fan can be mounted according to the positions given by Eurovent standard for centrifugal fans. Often it can be used as a central with a plenum section chamber for multiple duct connections.

### Execution

The MSV fan can be produced in several types of material. The standard is painted sea water resistant aluminium. This gives a corrosion resistant fan and a spark proof design. The fan can also be delivered completely (housing/impeller) manufactured in stainless steel (AISI316L).

Steel – either galvanized or galvanized and painted execution is delivered on request.

### Impeller

The impeller is usually delivered in the same material as the fan housing where the standard is salt and ammonia resistant aluminium. The impellers are dynamically balanced.

**The impeller can be delivered in four different types:**

**Type B:** Backward, convex curved blades. The standard impeller. Cost effective with high efficiency.

**Type F:** Forward curved blades (Scirocco impeller). For applications where high air flows are required). Only for smaller fans.

**Type Z:** Backward, concave curves blades. Self-cleaning impeller, ideal for applications where dust or material can build up on the impeller.

**Type R:** Radial blades. Heavy duty impeller for transport applications (e.g. saw dust).

### 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

- Belt driven execution.
- With gas tight motor flange (for EX applications where motor can be placed outside hazardous area)
- With coupling drive
- With coupling drive and cooling wheel (air cooled) for high temperature applications
- Portable execution (only smaller fans)
- With water-, air- or hydraulic driven motor.

### Accessories

- Vibration dampers
- Flexible connections (inlet / outlet)
- Counter flange (inlet / outlet)
- Protection grid (inlet / outlet)
- Flanged inlet
- Drain plug
- Inspection hatch
- Motor pedestal (required for heavy motors)
- Base frame / foundation
- Earthing plug for fan / motor pedestal
- Suction chamber on inlet
- Iris / regulating damper
- Diffuser on outlet

## Gallery

---

