AEROVENT

INDUSTRIAL VENTILATION SYSTEMS

MARINE DUTY FANS

Passenger Vessels & Offshore Platforms

NOVEMBER 2018

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Applications

Marine & Offshore

Combatting corrosion and tight space constraints are constant elements that must be addressed when selecting fans for marine applications. That is why Aerovent offers a full variety of designs, special construction features and options to accommodate the wide range of applications for all vessel types. Aerovent can also provide retrofit fans for vessels in need of replacement equipment.

Typical Applications

- Machinery Ventilation
- General Bulkhead Ventilation
- Battery Room Ventilation
- Cargo Hold Ventilation
- Engine Room Ventilation
- Mud Pit Ventilation
- Heating & Air Conditioning

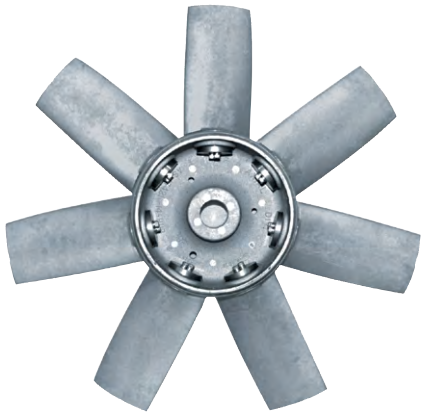
Vessel Types

- Gas & Oil Platforms
- Drilling Rigs
- Supply & Cargo Ships
- Naval Ships
- Cruise Ships
- Tug Boats
- Casino Boats
- Ferry Boats

Benefits of Direct Drive Marine Fans

Aerovent's marine duty, direct drive axial flow fans are specifically designed to withstand the rugged conditions associated with the marine and offshore industry and offer a number of advantages.

- Shortened fan housings for minimizing installation space
- Heavy gauge steel housings and cast aluminum propellers for long service life



Adjustable Pitch Propellers

Cast Aluminum

Depending on your system and performance requirements, adjustable pitch propellers can offer a broader range of performance when compared to fixed pitch configurations. Adjustable pitch propellers allow you to change the blade angle and fine tune the air volume at a given speed and blade angle. Depending on the propeller, there is generally a minimum of five blade angle settings and two to three motor speeds at which the propeller can operate – giving you a minimum of ten different performance settings to work with.

Standard Construction
- Housing thickness and diameters: 10-gauge to 27", 3/16" to 48" and 1/4" to 84"
- Alkyd Primer & Air Dry Enamel Coating
- Adjustable Pitch Aluminum Propeller
- Skip Welded Construction

Marine Duty Construction
- Housing thickness and diameters: 1/4" to 48" and 3/8" to 84"
- Hot-Dip Galvanized
- Adjustable Pitch Aluminum Propeller with Epoxy Coating
- Full Welded Construction
- IEEE 45 Marine Duty Motors
- Cast Aluminum Conduit Box with Screw-on Cover (rated for explosion proof)
- Welded Guard for Grease Zerks

Model VW | Vaneaxial Fans

Propeller Sizes from 18" to 84"
Airflow to 224,700 CFM | Static pressure to 4" w.g.

Standard Construction
- Housing thickness and diameters: 1/4" to 48" and 3/8" to 60"
- Alkyd Primer & Air Dry Enamel Coating
- Fixed Pitch Aluminum Propeller
- Skip Welded Construction

Marine Duty Construction
- Housing thickness and diameters: 1/4" to 48" and 3/8" to 84"
- Hot-Dip Galvanized
- Fixed Pitch Aluminum Propeller with Epoxy Coating
- Full Welded Construction
- IEEE 45 Marine Duty Motors
- Cast Aluminum Conduit Box with Screw-on Cover (rated for explosion proof)
- Welded Guard for Grease Zerks

Model MDTM | Tubeaxial Fans

Propeller Sizes from 12" to 60"
Airflow to 102,900 CFM | Static pressure to 3" w.g.

Standard Construction
- Housing thickness and diameters: 16-gauge to 21", 14-gauge to 48", 12-gauge to 96"
- Alkyd Primer & Air Dry Enamel Coating
- Fixed Pitch Aluminum Propeller
- Skip Welded Construction

Marine Duty Construction
- Hot-Dip Galvanized
- Fixed Pitch Aluminum Propeller with Epoxy Coating
- Full Welded Construction
- IEEE 45 Marine Duty Motors
- Spark Resistant Construction Option: Aluminum Housing with Epoxy Coating

Model DDR | Ring Fans

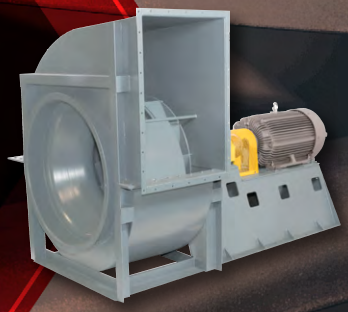
Propeller Sizes from 9" to 96"
Airflow to 136,000 CFM | Static pressure to 1.5” w.g.

Other Fans Commonly Used In Marine Applications:

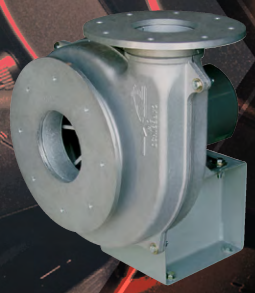
VP Vaneaxial Fans
Fixed Pitch | Direct Drive

ATA Tubeaxial Fans
Adjustable Pitch | Direct Drive

VB Vaneaxial Fans
Fixed Pitch | Direct Drive



CB Centrifugal Fans
Single & Double Wide



Pressure Blowers
Direct Drive & Belt Driven

Retrofits
All Types

AEROVENT
Industrial Ventilation Systems

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