

The best fan for your application!

DDM range – direct driven fans



Direct driven centrifugal fans of DDM range with forward curved impeller directly mounted on the external rotor motor are the ideal solution for your applications in the HVAC business.

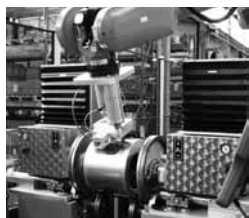
The fact of manufacturing by ourselves each fan component – the casing, the impeller and motor – enables us to create fans that perfectly meet the requirements of high performances and low power consumptions.

The wide range of different versions and motor types allows you to find the fan exactly matching what you really need.

You anyway get the generally recognized advantages of the direct drive technology :

- ▶ **Maintenance free**
- ▶ **No transmission losses**
- ▶ **Long fan life time**
- ▶ **High reliability**
- ▶ **Low operating costs**

And, more, all the additional product advantages of the DDM range are at your fingertips!



Compact casing

Aerodynamically optimized in terms of both airflow and design, scrolls are made of galvanized steel and automatically assembled using an innovative procedure, providing a sturdy and long-lasting product.

- ▶ **without welding points for no corrosion troubles**
- ▶ **high precision manufacturing process for high quality product**



Real forward curved impeller

The impeller has been optimized for the best efficiency, match to the special motor features.

We manufacture the high performance impellers through a highly – automated and innovative production process.

- ▶ **low noise level**
- ▶ **low power consumption**



Optimized external rotor motor

The fan impeller is directly mounted on the motor thus providing efficient motor cooling by the fan airflow.

Motor speed can be adjusted either by the use of transformers and TRIAC regulators. Motors are generally fitted with thermal protector for protection against overheating.

- ▶ **high reliability and efficiency**
- ▶ **wide range of operative conditions**



Vibration isolation

The vibration isolation pads of the motor shaft ensures a very low noise during fan operation and no transmission of noise and vibrations to the other parts of the fan, making installation more quiet and comfortable.

- ▶ **low noise level**
- ▶ **no noise and vibrations transmitted to the surrounding structures**



Easy electrical connection

All fans could be provided with connection box, terminal block or loose cable. A wiring diagram sticker, placed on each fan, describes the correct electrical connection.

- ▶ **fast and easy wiring**
- ▶ **safe operation**



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DDM range




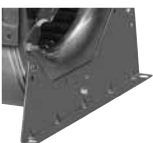
This kind of fans are specially conceived for use in dust-free environments, at temperatures up to +40 °C, or higher on selected models.

The performance data have been obtained in a laboratory registered by AMCA for AMCA 210/99 air performance testing. Data are not certified by AMCA.

The variety of DDM

We have the right fan for all your application!
Many different sizes, versions and motor types are available in the DDM range.

- ▶ Impeller size (width and diameter) up to 15"
- ▶ Speed variation either by step-transformers or stepless
- ▶ External rotor motor with integrated thermal protector
- ▶ Fan models suitable for 60 Hz supply are available
- ▶ Air Flow up to 12,000 m³/h
- ▶ Static pressure up to 800 Pa

Version	Description	Figure
DDM	Lap-jointed scroll made from galvanized steel and forward curved blades impeller directly mounted on an external rotor motor.	
+SCT	with terminal box mounted	
+FL	with discharge flange mounted	
+SB	with housing feet either mounted or loose	



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