

ORIENTAL MOTOR GENERAL CATALOG



Cross Flow Fans

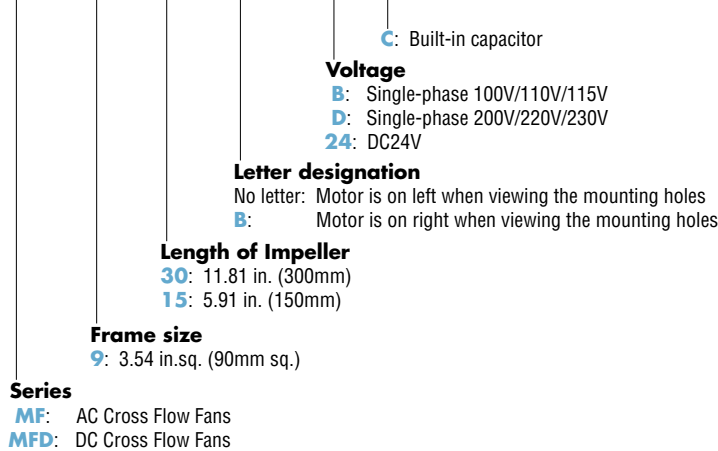
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Types of Cross Flow Fans

Length of impeller	Voltage			Page	
	Single-Phase 100V/110V/115V	Single-Phase 200V/220V/230V	DC 24V	AC	DC
11.81 in.	MF930(B) -BC	MF930(B) -DC	MFD930(B) -24	C-90	C-94
5.91 in.	MF915(B) -BC	MF915(B) -DC	MFD915(B) -24	C-92	C-96

Product Number Code

MF 9 30 B - B C



General Specifications

Item	Specifications
Insulation Resistance	100MΩ or more when 500V DC is applied between the windings and the frame under normal ambient temperature and humidity. (MFD Series: 10MΩ or more, 250VDC)
Dielectric Strength	Sufficient to withstand 1.5kV at 50Hz applied between the windings and the frame for 1 minute under normal ambient temperature and humidity. (MFD Series: 500V·50Hz, 1 minute)
Temperature Rise	81°F (45°C) or less measured by the thermometer method after the temperature of the coil has stabilized under normal operation at the rated voltage and frequency. (MFD Series : 27°F (15°C) or less)
Operating Voltage Range	AC Cross Flow Fans : ±10% of the rated voltage. DC Cross Flow Fans : +10%, -40% of the rated voltage.
Insulation Class	Class E (248°F [120°C]) [Recognized as Class A (221°F [105°C]) by UL and CSA standards.]
Overheat Protection	MF Series has a built-in thermal protector (Automatic return) Operating temperature Open : 248°F±9°F (120°C±5°C) Close : 170.6°F±27°F (77°C±15°C) MFD Series has an overheat protection function installed.
Ambient Temperature	14°F~140°F (-10°C~+60°C)
Ambient Humidity	0~85% (noncondensing)
Color	Black

Safety Standards and CE Marking

Model	Standards	Certification Body	Standards File No.	CE Marking
MF Series	UL507	UL	E58377	Low Voltage Directives
	CAN/CSA-C22.2 No.113			
	EN60950	VDE	5854ÜG	

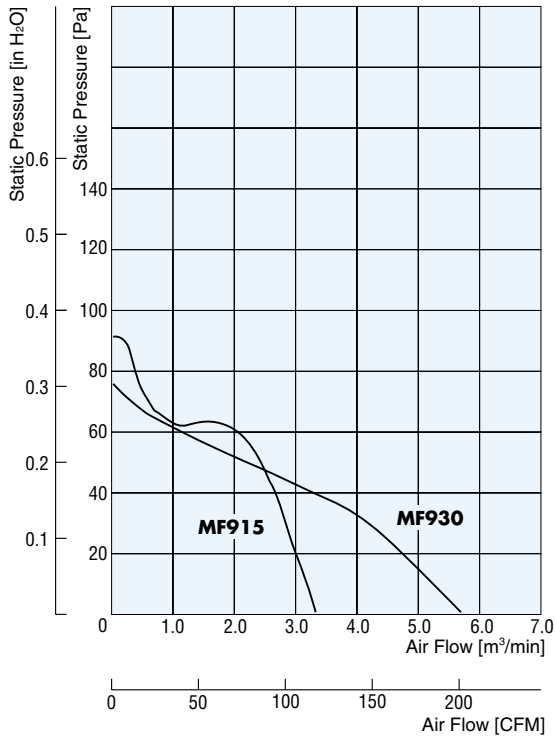
- For installation conditions for EN/IEC standards, see Page D-2.
- The file no. depends on the type of products. See details on page D-10.

■ Comparisons of Characteristics

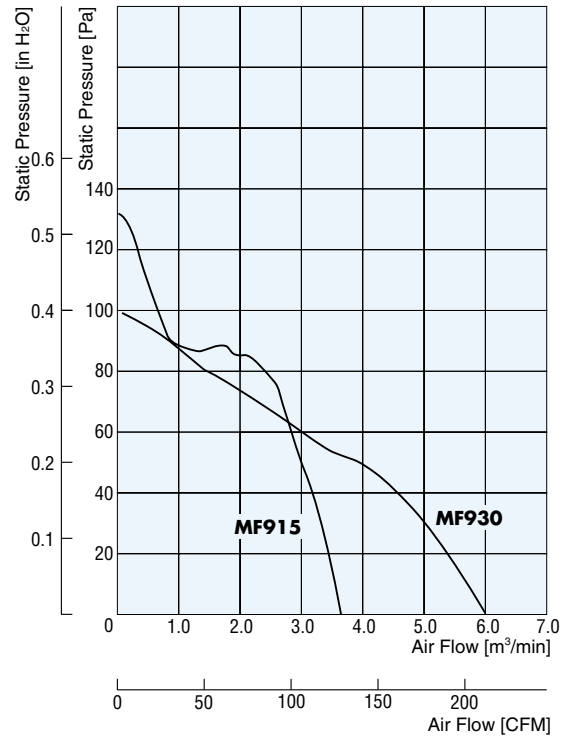
AC Cross Flow Fans

MF Series

● 50Hz



● 60Hz



DC Cross Flow Fans

MFD Series

