

Cooling Fans

# Cross Flow Fans

Overview

Axial  
Flow  
FansAC Input  
Low-Power  
Consumption  
**EMU**AC Input  
Compact Size  
**MU**AC Input  
Large Size,  
Large Air Flow  
**MRS**AC Input  
Long-Life  
**MRE**DC Input  
**MDS**  
**MD**DC Input  
Alarm  
**MDA**DC Input  
Variable Flow  
**MDV**DC Input  
Long-Life  
**MDE**DC Input  
Splash proof  
**MDP**Centrifugal  
BlowersAC Input  
**MB**  
DC Input  
**MBD**Cross  
Flow  
FansAC Input  
**MF**  
DC Input  
**MFD**AC Input MF Series  
DC Input MFD SeriesEnclosure  
Fan Modules

Thermostat

# Cross Flow Fans

**C** **UL** **US** **CE** (Only for **MF** Series)

● For detailed information about regulations and standards, please see the Oriental Motor website.



Cross flow fans are used for cooling circuit boards or other applications requiring wide and uniform air flow such as air curtains.



See Full Product Details Online  
[www.orientalmotor.com](http://www.orientalmotor.com)

● Manual

● Specifications

● Dimensions

● CAD

● Characteristics

● Connection and Operation

## Features

Cross flow fans deliver wide, uniform air flow.

These fans provide right-angle air flow and a rectangular shape, allowing for installation in corners and space saving.

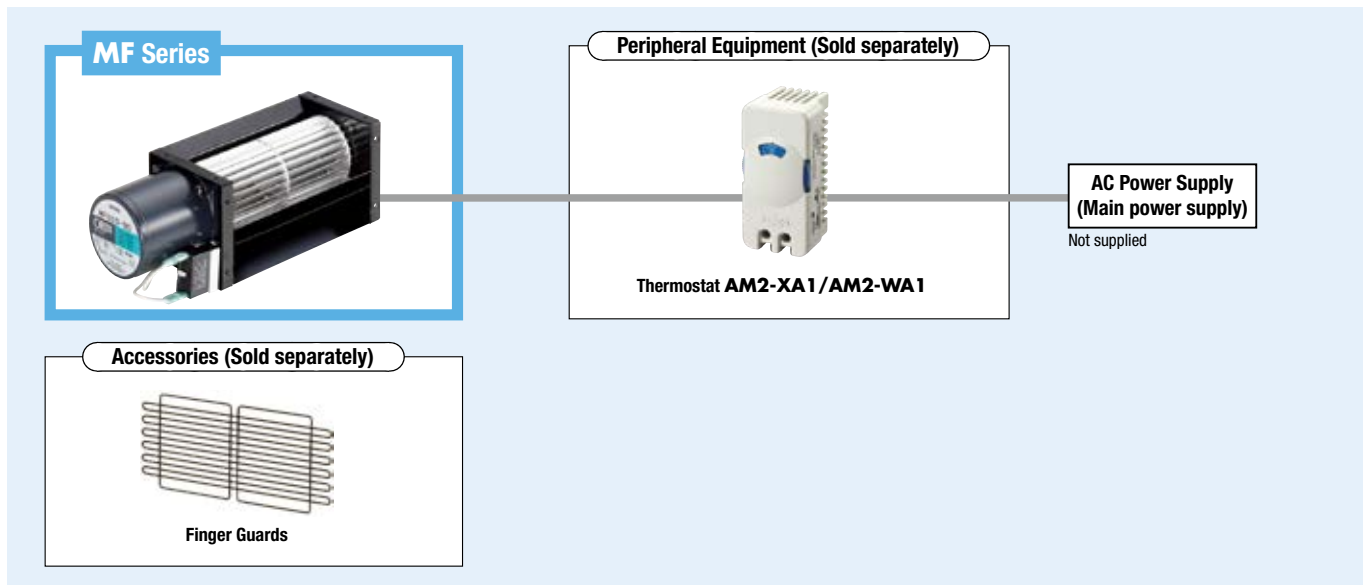
## Types of Cross Flow Fans

●: Standard Type ■: Alarm Type

Series	Features	Power Supply Voltage	Impeller Length [mm (in.)]	
			300 (11.81)	150 (5.91)
AC Cross Flow Fans <b>MF</b> Series	● AC input cross flow fans ● The <b>MF</b> Series is recognized by UL/CSA Standards. CE Marking is used in accordance with the Low Voltage Directive. (Certification status differs according to the product.)	Single-Phase 110/115 VAC	●	●
		Single-Phase 220/230 VAC	●	●
DC Cross Flow Fans <b>MFD</b> Series	● DC input cross flow fans	24 VDC	●■	●■
		48 VDC	●	●

● For detailed information about regulations and standards, please see the Oriental Motor website.

## System Configuration



## Product Number

### AC Cross Flow Fans

## MF 9 30 B - B C

① ② ③ ④ ⑤ ⑥

①	Series	<b>MF: MF Series</b>
②	Frame Size	<b>9:</b> 90 mm (3.54 in.)
③	Impeller Length	<b>30:</b> 300 mm (11.81 in.) <b>15:</b> 150 mm (5.91 in.)
④	Letter Designation	Blank: Motor is on left when viewing the mounting holes <b>B:</b> Motor is on right when viewing the mounting holes
⑤	Power Supply Voltage	<b>B:</b> Single-Phase 110/115 VAC <b>D:</b> Single-Phase 220/230 VAC
⑥		<b>C:</b> Built-in Capacitor

### DC Cross Flow Fans

## MFD 9 30 B - 24 A

① ② ③ ④ ⑤ ⑥

①	Series	<b>MFD: MFD Series</b>
②	Frame Size	<b>9:</b> 90 mm (3.54 in.)
③	Impeller Length	<b>30:</b> 300 mm (11.81 in.) <b>15:</b> 150 mm (5.91 in.)
④	Letter Designation	Blank: Motor is on left when viewing the mounting holes <b>B:</b> Motor is on right when viewing the mounting holes
⑤	Power Supply Voltage	<b>24:</b> 24 VDC <b>48:</b> 48 VDC
⑥	Additional Functions	<b>A:</b> Low-Speed Alarm, Contact Alarm Type

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## Product line

### MF Series

Impeller Length	Power Supply Voltage VAC	Product Name	List Price
150 mm (5.91 in.)	Single-Phase 110/115	<b>MF915-BC</b>	\$110.00
		<b>MF915B-BC</b>	
	Single-Phase 220/230	<b>MF915-DC</b>	\$123.00
		<b>MF915B-DC</b>	
300 mm (11.81 in.)	Single-Phase 110/115	<b>MF930-BC</b>	\$123.00
		<b>MF930B-BC</b>	
	Single-Phase 220/230	<b>MF930-DC</b>	\$128.00
		<b>MF930B-DC</b>	

### MFD Series

#### ◇ No Additional Function

Impeller Length	Power Supply Voltage VDC	Product Name	List Price
150 mm (5.91 in.)	24	<b>MFD915-24</b>	\$123.00
		<b>MFD915B-24</b>	
	48	<b>MFD915-48</b>	\$128.00
		<b>MFD915B-48</b>	
300 mm (11.81 in.)	24	<b>MFD930-24</b>	\$137.00
		<b>MFD930B-24</b>	
	48	<b>MFD930-48</b>	\$142.00
		<b>MFD930B-48</b>	

#### ◇ Low-Speed Alarm Type

Impeller Diameter	Power Supply Voltage VDC	Product Name	List Price
150 mm (5.91 in.)	24	<b>MFD915-24A</b>	\$176.00
		<b>MFD915B-24A</b>	
300 mm (11.81 in.)	24	<b>MFD930-24A</b>	\$190.00
		<b>MFD930B-24A</b>	

For details (specifications, characteristics, dimensions and more) on these products, please either refer to our website or contact technical support or your nearest Oriental Motor sales office.

[www.orientalmotor.com](http://www.orientalmotor.com)



