

Cooling Fans

Centrifugal Blowers

Overview,
Product
Series

Axial
Flow
Fans

AC 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
Blowers

AC Input **MB Series**
DC Input **MBD Series**

AC Input
MB
DC Input
MBD

Cross Flow Fans

AC Input
MF
DC Input
MFD

Enclosure Fan
Modules

Thermostat

Accessories

Installation

Centrifugal Blowers

For details on this product please refer to our website.
www.orientalmotor.com/catalog

UL **US** **VDE** **CE** (for MB Series except MB1665) [**UL** **US** **VDE**] (Only for MB1665)

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



Centrifugal blowers provide directional air flow by maximizing static pressure, making them optimal for spot cooling and for air flow through a duct. Alternatively, their high suction can be used to hold an object in position or their directed air flow can be used to move objects.



View Expanded Product Information, Specifications, CAD, Accessories & more online. Visit www.orientalmotor.com/catalog or use the QR code and select "MB Series" or "MBD Series".

Features

Since the exhaust outlet is reduced to focus air to a specified direction, these blowers are used for spot cooling. The static pressure is also high, which makes them a suitable choice when cooling equipment through which air cannot flow easily or when blowing air using a duct.

Types of Centrifugal Blowers

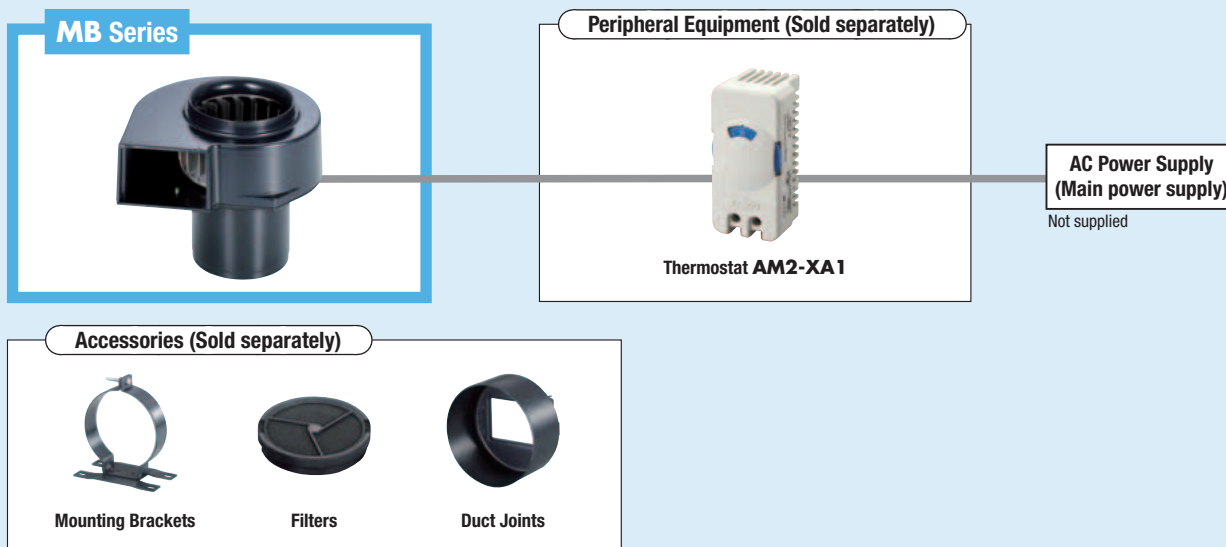
●: Standard Type ■: Alarm Type

Series	Features	Power Supply Voltage	Impeller Diameter [mm (in.)]					
			φ160 (φ6.30)	φ120 (φ4.72)	φ100 (φ3.94)	φ80 (φ3.15)	φ60 (φ2.36)	φ50 (φ1.97)
AC Centrifugal Blower MB Series	<ul style="list-style-type: none"> ● AC input centrifugal blowers ● The MB Series is recognized by UL/CSA Standards and conforms to EN Standards. CE Marking is used in accordance with the Low Voltage Directive. (Certification status differs according to the product.) 	Three-Phase 220/230 VAC	●*	●		●		
		Single-Phase 110/115 VAC	●	●	●	●	●	●
		Single-Phase 220/230 VAC	●	●	●	●	●	●
DC Centrifugal Blower MBD Series	<ul style="list-style-type: none"> ● DC input centrifugal blowers 	24 VDC		●■	●■	●■		
		48 VDC			●	●		

* A three-phase 220 VAC version is not available.

● Details of regulations and standards → Page I-2 ● For detailed information about regulations and standards, please see the Oriental Motor website.

System Configuration



Product Number

● MB, MBD Series

MB 12 55 - B

① ② ③ ④

①	Series	MB: AC Centrifugal Blowers MB Series MBD: DC Centrifugal Blowers MBD Series
②	Impeller Diameter	5: ϕ 50 mm (ϕ 1.97 in.), 6: ϕ 60 mm (ϕ 2.36 in.), 8: ϕ 80 mm (ϕ 3.15 in.) 10: ϕ 100 mm (ϕ 3.94 in.), 12: ϕ 120 mm (ϕ 4.72 in.), 16: ϕ 160 mm (ϕ 6.30 in.)
③	Impeller Thickness	20: 20 mm (0.79 in.), 30: 30 mm (1.18 in.), 40: 40 mm (1.57 in.) 55: 55 mm (2.17 in.), 65: 65 mm (2.56 in.)
④	Power Supply Voltage	T: Three-phase 220/230 VAC B: Single-phase 110/115 VAC D: Single-phase 220/230 VAC 24: 24 VDC, 24A: 24 VDC Low-Speed Alarm, Contact Alarm Type 48: 48 VDC

● Fan Kit

T- MB1255-D - GA

① ② ③

①	Fan Kit Order Code	
②	Fan Product Name	
③		A: With mounting bracket and installation screws GA: With finger guard, mounting bracket and installation screws FA: With filter, mounting bracket and installation screws

Product line

● MB Series

Impeller Diameter	Power Supply Voltage VAC	Fan Only		Fan Kit	
		Product Name	List Price	Product Name	List Price
ϕ 50 mm (ϕ 1.97 in.)	Single-Phase 110/115	MB520-B	\$45.00	T-MB520-B-A	\$50.00
	Single-Phase 220/230	MB520-D	\$47.00	T-MB520-D-A	\$52.00
ϕ 60 mm (ϕ 2.36 in.)	Single-Phase 110/115	MB630-B	\$47.00	T-MB630-B-A	\$52.00
	Single-Phase 220/230	MB630-D	\$49.00	T-MB630-D-A	\$54.00
ϕ 80 mm (ϕ 3.15 in.)	Three-Phase 220/230	MB840-T	\$76.00	T-MB840-T-GA	\$90.00
				T-MB840-T-FA	\$98.00
	Single-Phase 110/115	MB840-B	\$73.00	T-MB840-B-GA	\$87.00
				T-MB840-B-FA	\$95.00
ϕ 100 mm (ϕ 3.94 in.)	Single-Phase 220/230	MB840-D	\$76.00	T-MB840-D-GA	\$90.00
				T-MB840-D-FA	\$98.00
	Single-Phase 110/115	MB1040-B	\$88.00	T-MB1040-B-GA	\$102.00
				T-MB1040-B-FA	\$111.00
ϕ 120 mm (ϕ 4.72 in.)	Single-Phase 220/230	MB1040-D	\$91.00	T-MB1040-D-GA	\$105.00
				T-MB1040-D-FA	\$114.00
	Three-Phase 220/230	MB1255-T	\$168.00	T-MB1255-T-GA	\$187.00
				T-MB1255-T-FA	\$197.00
ϕ 160 mm (ϕ 6.30 in.)	Single-Phase 110/115	MB1255-B	\$160.00	T-MB1255-B-GA	\$179.00
				T-MB1255-B-FA	\$189.00
	Single-Phase 220/230	MB1255-D	\$168.00	T-MB1255-D-GA	\$187.00
				T-MB1255-D-FA	\$197.00
ϕ 160 mm (ϕ 6.30 in.)	Three-Phase 230	MB1665-T	\$355.00	T-MB1665-T-A	\$375.00
	Single-Phase 110/115	MB1665-B	\$344.00	T-MB1665-B-A	\$364.00
	Single-Phase 220/230	MB1665-D	\$355.00	T-MB1665-D-A	\$375.00

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● **MBD Series**

◇ **No Additional Function**

Impeller Diameter	Power Supply Voltage VDC	Fan Only		Fan Kit	
		Product Name	List Price	Product Name	List Price
φ80 mm (φ3.15 in.)	24	MBD8-24	\$91.00	T-MBD8-24-GA	\$105.00
				T-MBD8-24-FA	\$113.00
	48	MBD8-48	\$96.00	T-MBD8-48-GA	\$110.00
				T-MBD8-48-FA	\$118.00
φ100 mm (φ3.94 in.)	24	MBD10-24	\$102.00	T-MBD10-24-GA	\$116.00
				T-MBD10-24-FA	\$125.00
	48	MBD10-48	\$107.00	T-MBD10-48-GA	\$121.00
				T-MBD10-48-FA	\$130.00
φ120 mm (φ4.72 in.)	24	MBD12-24	\$140.00	T-MBD12-24-GA	\$155.00
				T-MBD12-24-FA	\$165.00

◇ **Low-Speed Alarm Type**

Impeller Diameter	Power Supply Voltage VDC	Fan Only		Fan Kit	
		Product Name	List Price	Product Name	List Price
φ80 mm (φ3.15 in.)	24	MBD8-24A	\$144.00	T-MBD8-24A-GA	\$158.00
				T-MBD8-24A-FA	\$166.00
φ100 mm (φ3.94 in.)		MBD10-24A	\$155.00	T-MBD10-24A-GA	\$169.00
				T-MBD10-24A-FA	\$178.00
φ120 mm (φ4.72 in.)		MBD12-24A	\$193.00	T-MBD12-24A-GA	\$208.00
				T-MBD12-24A-FA	\$218.00


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

www.orientalmotor.com/catalog