

# Orientalmotor

ORIENTAL MOTOR U.S.A. Corp.  
570 Alaska Avenue  
Torrance, CA 90503  
1-800-GO-VEXTA (468-3982)

## Item # MB1255-D, 4.72 in. (120 mm) MB Series Centrifugal Fan / Blower (Single-Phase 200/220/230 VAC)



Centrifugal fans / blowers maximize static pressure to provide concentrated airflow in one defined direction. These blowers can be used in a fixed position or mounted on moving parts, and are optimal for local cooling and airflow through ducts.



Web Price

**\$204.00**

### Specifications | Dimensions | Airflow | System

#### Specifications

**Lead Time<sup>1</sup>** Up to 20 pcs as of 6:30am EST Estimated Ship: 02/05/2026

**Fan Type** Centrifugal Fan / Blower

**Impeller Diameter** 4.72 in.

**Power Supply** Single-Phase 200/220/230 VAC

**Current (A)** 0.6 [200/230 VAC, 50 Hz]  
0.8 [200/220/230 VAC, 60 Hz]

**Speed (r/min)** 2850 [200 VAC, 50 Hz]  
2900 [230 VAC, 50 Hz]  
3200 [200 VAC, 60 Hz]  
3300 [220/230 VAC, 60 Hz]

**Max. Air Flow** 155 CFM [200 VAC, 50 Hz]  
159 CFM [230 VAC, 50 Hz]  
173 CFM [200 VAC, 60 Hz]  
180 CFM [220 VAC, 60 Hz]  
184 CFM [230 VAC, 60 Hz]

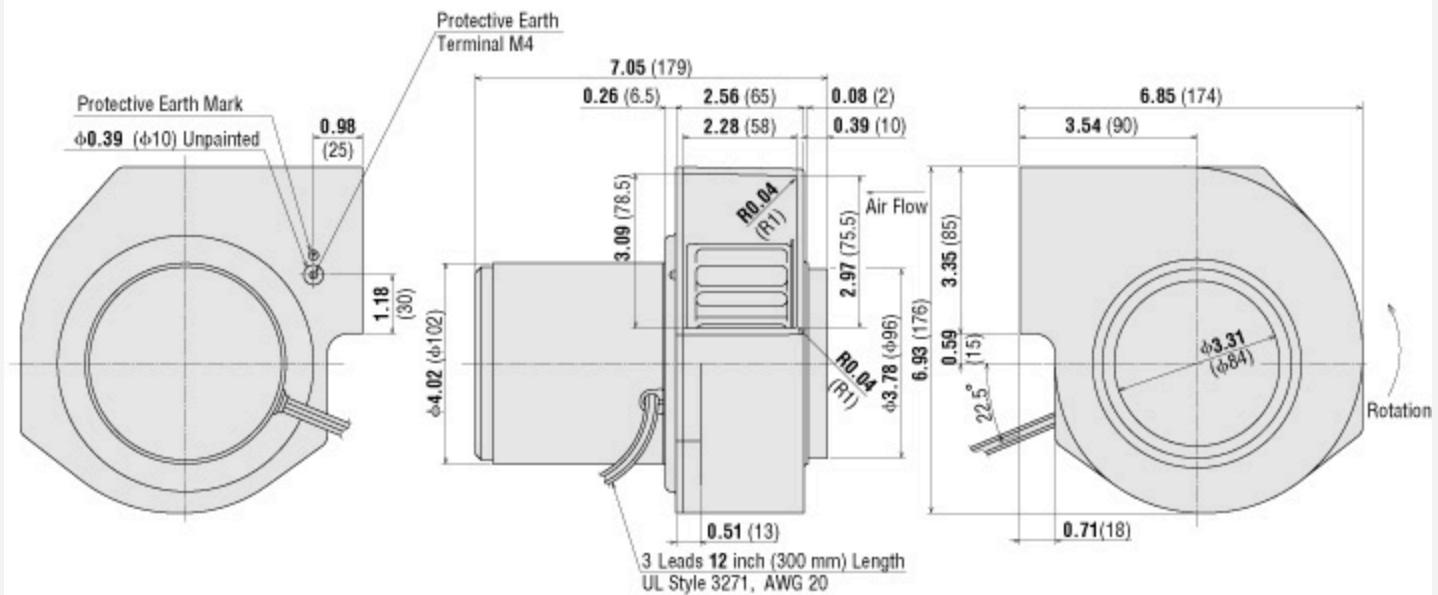


<b>Max. Static Pressure</b>	1.26 inH <sub>2</sub> O [200/230 VAC, 50 Hz] 1.81 inH <sub>2</sub> O [200/220/230 VAC, 60 Hz]
<b>Noise Level</b>	67 dB (A) [200/230 VAC, 50 Hz] 69 dB (A) [200 VAC, 60 Hz] 71 dB (A) [220/230 VAC, 60 Hz]
<b>Fan Kit</b>	Fan Only
<b>RoHS Compliant</b>	Yes
<b>Safety Standards</b>	UL CSA CE
<b>CE Marking</b>	Low Voltage Directives
<b>California Proposition 65</b>	<p><b>⚠ CA WARNING</b></p> <p>Cancer risk from exposure to Nickel. See <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p> <p>Risk of reproductive harm from exposure to Di-n-hexyl phthalate (DnHP). See <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p> <p>Risk of cancer and reproductive harm from exposure to Di(2-ethylhexyl phthalate (DEHP). See <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></p> <p>See "?" or copy/paste <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> in your browser.</p>
<b>Insulation Resistance</b>	100 MΩ or more when 500 VDC is applied between the windings and the frame under normal ambient temperature and humidity.
<b>Dielectric Strength</b>	Sufficient to withstand 1.5 kV at 50Hz applied between the windings and the frame for 1 minute under normal ambient temperature and humidity.
<b>Temperature Rise</b>	81°F (45°C) or less measured by the thermometer method after the temperature of the motor case has stabilized after continuous operation under normal ambient temperature and humidity.
<b>Insulation Class</b>	Class E (248°F [120°C]), Recognized as Class A (221°F [105°C]) by UL and CSA standards.
<b>Overheat Protection</b>	Built-in thermal protector (automatic reset type) Operating temperature, open: 248°F±9°F (120°C±5°C), close: 170.6°F±27°F (77°C±15°C)
<b>Ambient Temperature Range</b>	14°F ~ 122°F (-10°C ~ 50°C)
<b>Ambient Humidity</b>	85% or less (noncondensing)

Dimensions	-

## Dimensions Scale 1/4, Unit = Inch (mm)

Weight: 8.8 lb. (4 kg)



■ **Panel Cut-Out** Scale 1/4, Unit = inch (mm)

2.28 (58)

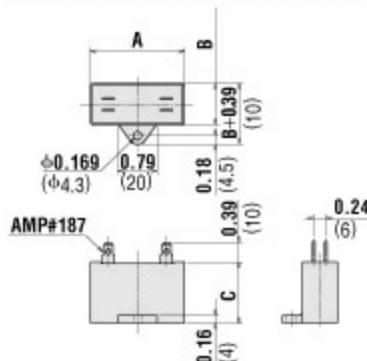


Outlet side



Intake side

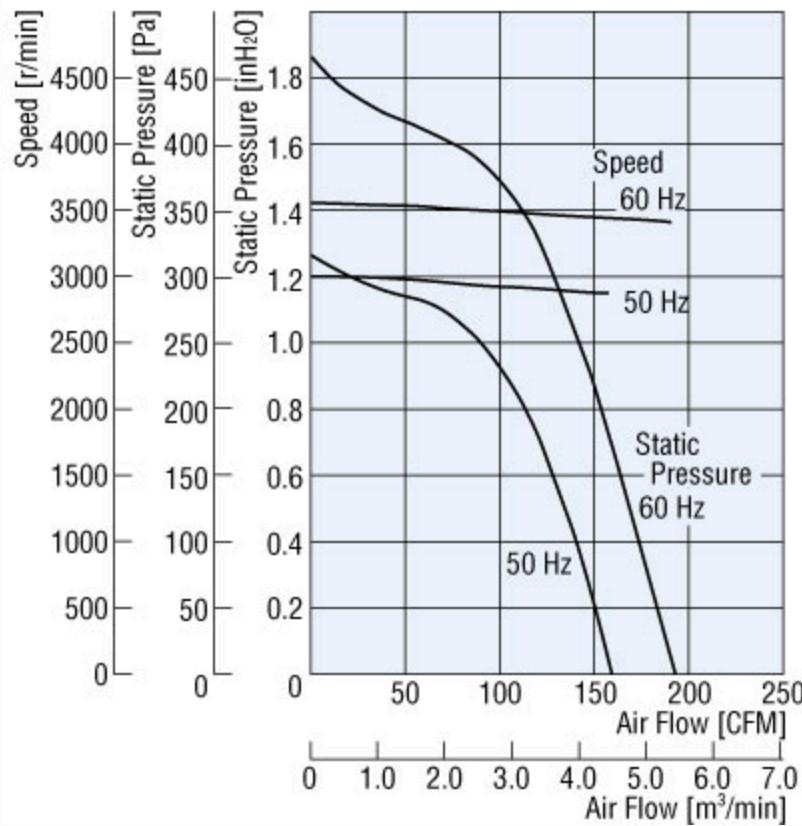
- Capacitor (Capacitor and capacitor cap are provided with single-phase blowers.)



Model	Capacitor	Dimensions inch (mm)			Weight oz. (g)
		A	B	C	
<b>MB1255-B</b>	CH100CFAUL	<b>1.89</b> (48)	<b>0.89</b> (22.5)	<b>1.24</b> (31.5)	<b>1.41</b> (40)
<b>MB1255-D</b>	CH20BFAUL	<b>1.89</b> (48)	<b>0.75</b> (19)	<b>1.14</b> (29)	<b>1.41</b> (40)

## Airflow

## Air Flow – Static Pressure Characteristics



System

–

## System Configuration

An example of a system configuration with the **MB** Series.

### MB Series



### Peripheral Equipment (Sold separately)

#### Thermostats



### AC Power Supply (Main Power Supply)

### Accessories (Sold separately)



Mounting Brackets



Filters



Duct Joints

<sup>1</sup> Quoted Ship Date for orders placed before 12:00 pm PST. Quantities may affect Shipping Date.

©2017 - ORIENTAL MOTOR U.S.A. Corp. - All rights reserved.

Site Search...

