

Orientalmotor

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

Item # T-MRS16-DTM-F, 6.30 in. (160 mm) MRS Series Axial Fan Kit with Low Speed Alarm (Single-Phase 230 VAC)



Axial fans use a propeller to create a flow of air in the direction of the axis of rotation. Because they create a large airflow, axial fans are optimal for a wide variety of cooling and other airflow needs.

- High efficiency
- Low noise
- Alarm type
- Fan kit features axial flow fan, filter and mounting screws in a single package.



Web Price -
\$264.00

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Specifications

Lead Time¹ Up to 5 pcs as of 6:30am EST Estimated Ship: 01/29/2026

Product Line ORIX®

Fan Type Axial Flow

Frame Size 6.30 in

Power Supply Single-Phase 230 VAC

Frequency 50 Hz
60 Hz

Current 0.24 A [200 VAC, 50/60 Hz]
0.25 A [230 VAC, 60 Hz]

Function Low Speed Alarm - Electronic

Connection Type Terminal Box

Speed (r/min) 2800 [200 VAC, 50 Hz]
3250 [200 VAC, 60 Hz]
3300 [230 VAC, 60 Hz]



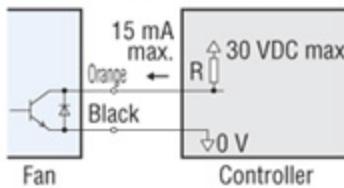
Max. Air Flow	219 CFM [200 VAC, 50 Hz] 258 CFM [200/230 VAC, 60 Hz]
Max. Static Pressure	0.509 inH ₂ O [200 VAC, 50 Hz] 0.63 inH ₂ O [200/230 VAC, 60 Hz]
Noise Level	49 dB [A] [200 VAC, 50 Hz] 52 dB [A] [200 VAC, 60 Hz] 53 dB [A] [230 VAC, 60 Hz]
Components	MRS16-DTM (Fan Unit) (Filter) M5 x 30 mm (1.18 in.) (Mounting Screws)
Fan Kit	Fan, Filter, Mounting Screws
RoHS Compliant	Yes
Safety Standards	cUL EN CE
CE Marking	Low Voltage Directives
California Proposition 65	<p>⚠ CA WARNING</p> <p>Cancer risk from exposure to Nickel. See www.P65Warnings.ca.gov</p> <p>Risk of reproductive harm from exposure to Di-n-hexyl phthalate (DnHP). See www.P65Warnings.ca.gov</p> <p>Risk of cancer and reproductive harm from exposure to Di(2-ethylhexyl phthalate (DEHP). See www.P65Warnings.ca.gov</p> <p>See "?" or copy/paste www.P65Warnings.ca.gov in your browser.</p>
Insulation Resistance	100 MΩ or more when 500 VDC is applied between the windings and the frame under normal ambient temperature and humidity.
Dielectric Strength	Sufficient to withstand 1.5 kV at 50Hz applied between the windings and the frame for 1 minute under normal ambient temperature and humidity.
Temperature Rise	54°F (30°C) or less measured by the thermometer method after the temperature of the case has stabilized after continuous operation under normal ambient temperature and humidity.
Insulation Class	Class E (248°F [120°C]), Recognized as Class A (221°F [105°C]) by UL and CSA standards.
Overheat Protection	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)
Ambient Temperature Range	14°F ~ 140°F (-10°C ~ 60°C)
Ambient Humidity	85% or less (noncondensing)

Alarm Specifications

Alarm Type	Electronic
Alarm Activation Speed	1800 ± 300 r/min
Output Mode	Open-collector output
Output Condition	Normal operation: L level (Internal transistor ON) Alarm output: H level (Internal transistor OFF)
Maximum Rating	Maximum applied voltage: 30 VDC max. Maximum current: 5 mA max.

Delay Function	Not built-in: External delay circuit is required to prevent alarm detection when starting the fan. The delay time should be at least 1 second.
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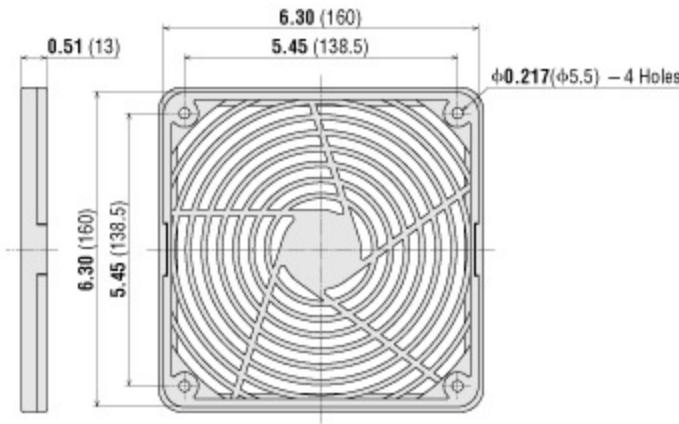
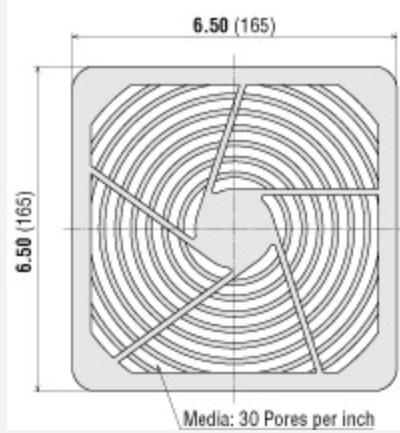
● Example of Alarm Circuit Connection



Circuit Connection

Dimensions

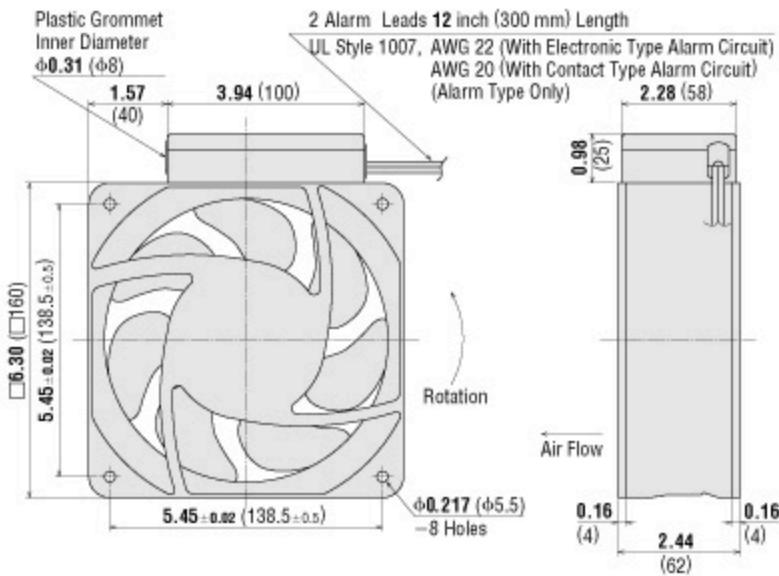
● **FL16 for MRS16**
Weight: 4.4 oz. (126 g)



Dimensions

Scale 1/4, Unit = **inch** (mm)

Weight: 3.0 lb. (1.35 kg)



● Capacitor For **MRS16-□TM**

CH30UL

Weight: 0.81 oz. (23 g)

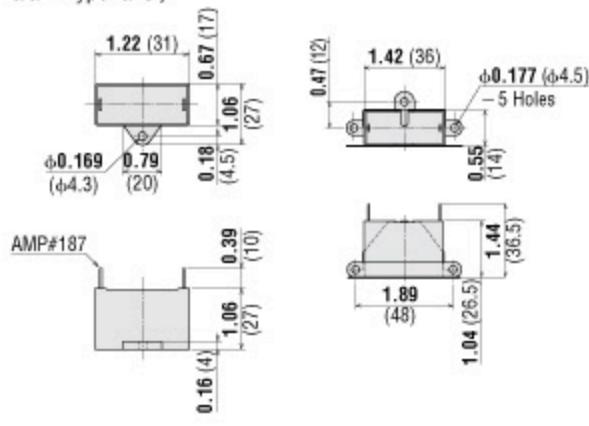
(Capacitor and capacitor cap are included with single-phase alarm type fans.)

● Capacitor For **MRS16-□TA**

CH30

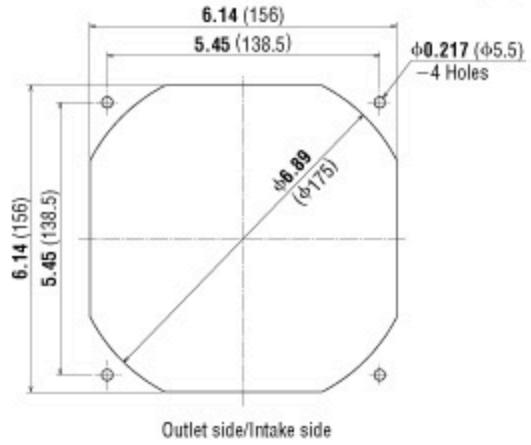
Weight: 1.1 oz. (30 g)

(Capacitor is included with the single-phase alarm type fans.)



Panel Cut-Out

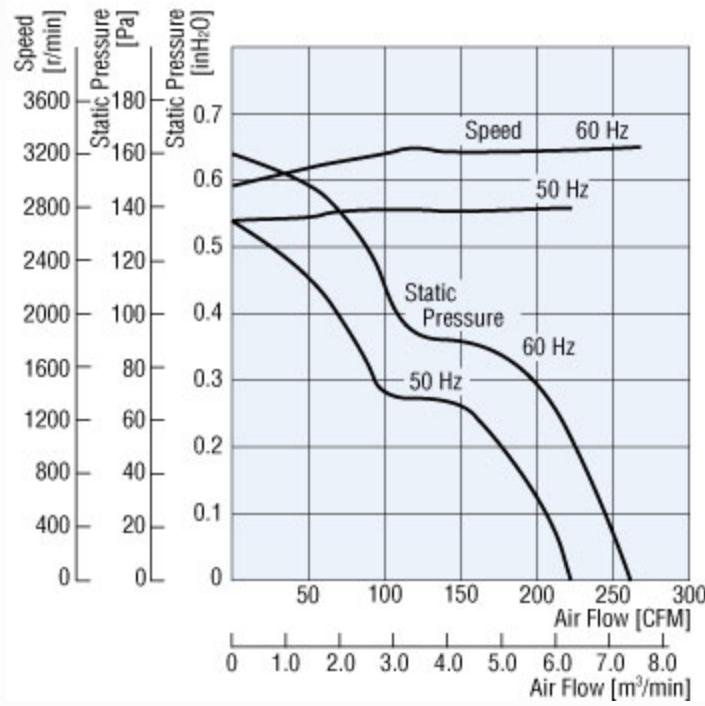
Scale 1/4, Unit = **inch** (mm)



Airflow

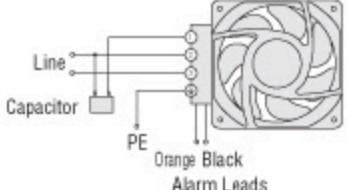
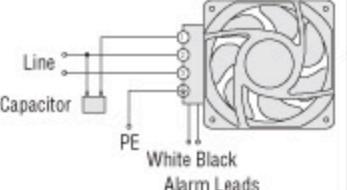
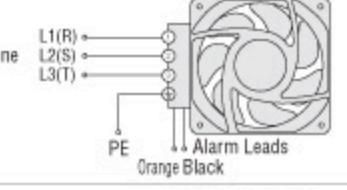
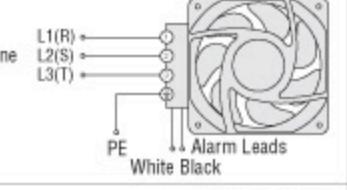
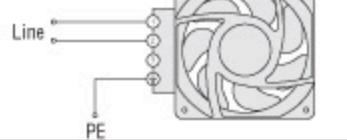
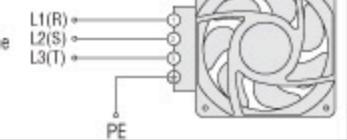
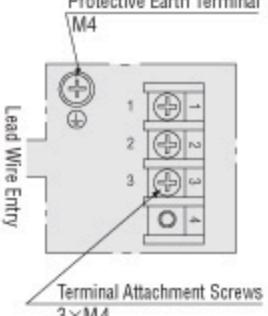
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Air Flow – Static Pressure Characteristics



Connection

Connection Diagrams

MRS16-BTM MRS16-DTM		MRS16-BTA MRS16-DTA		Terminal Box
MRS16-TTM		MRS16-TTA		
MRS16-BUL MRS16-DUL		MRS16-TUL		

● How to connect a capacitor → Page E-158

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

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