

# MDS Series

## High-Performance Models

φ6.77 in.×2.01 in. thick  
(φ172 mm×51 mm thick)



Ambient Temperature: 14°F to 140°F (−10°C to +60°C)  
Operating Voltage Range: ±15%

### Materials

Frame: Die Cast Aluminum  
Blades: Resin  
Flammability Grade: V-0  
Overheat Protection: Built-in Overheat Protection Circuit  
Bearings: Ball Bearings

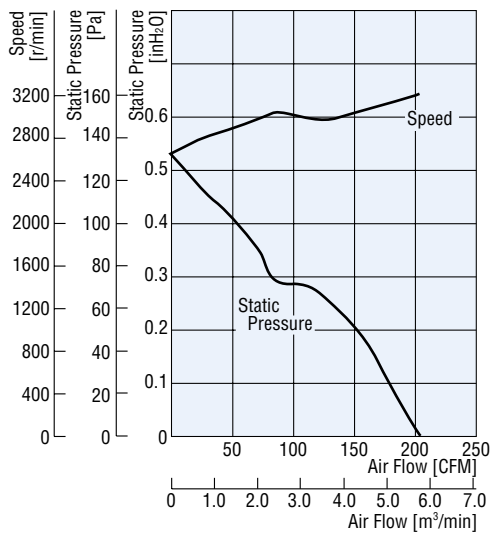
## Specifications



Speed Type	Model	Voltage VDC	Current A	Speed r/min	Max. Air Flow CFM	Max. Air Flow m <sup>3</sup> /min	Max. Static Pressure inH <sub>2</sub> O	Max. Static Pressure Pa	Noise Level dB(A)
Low Speed Alarm, Contact Alarm Type	<b>MDS1751-24B</b>								
Standard Speed	⑧ <b>MDS1751-24S</b>	24	0.70	3200	212	6	0.549	137	47
	⑨ <b>MDS1751-24</b>								

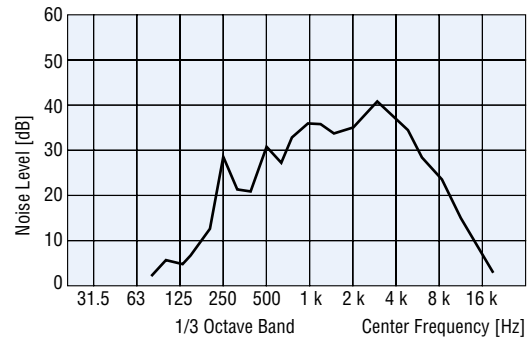
- How to read the specifications →Page E-13
- Alarm Specifications: ⑧, ⑨ →Page E-16
- Details of safety standards →Page G-2
- The low speed alarm and pulse sensor type are not DEMKO approved.

## Air Flow — Static Pressure Characteristics



## Frequency — Audible Noise Level (dB)

Measured at a distance of 3.3 feet (1 m) from the fan intake side





## MDS Series

### High-Performance Models

□ 4.69 in.×1.00 in. thick  
 (□ 119 mm×25.4 mm thick)



Ambient Temperature: 14°F to 140°F (–10°C to +60°C)  
 Operating Voltage Range: ±15%

#### Materials

Frame: Die Cast Aluminum  
 Blades: Resin  
 Flammability Grade: V-0  
 Overheat Protection: Built-in Overheat Protection Circuit  
 Bearings: Ball Bearings

## Specifications



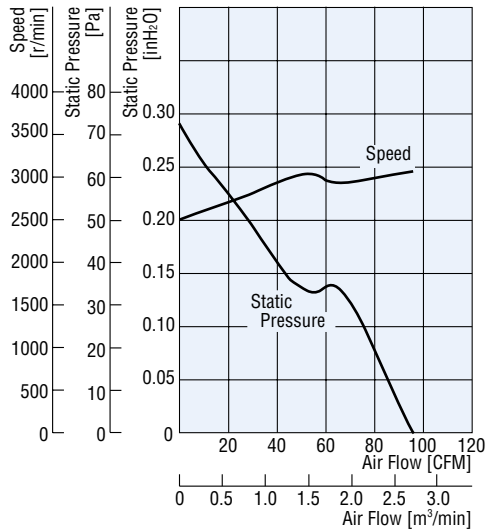
Speed Type	Model	Rated Voltage VDC	Rated Current A	Rated Speed r/min	Max. Air Flow CFM	Max. Air Flow m <sup>3</sup> /min	Max. Static Pressure inH <sub>2</sub> O	Max. Static Pressure Pa	Noise Level dB(A)
Standard Speed	Low Speed Alarm, Electronic Alarm Type <b>MDS1225-12M</b> ④	12	0.63	3000	95.3	2.7	0.281	70	46
	Standard Type <b>MDS1225-12</b>	12	0.58						
	Low Speed Alarm, Electronic Alarm Type <b>MDS1225-24M</b> ④	24	0.34						
	Standard Type <b>MDS1225-24</b>	24	0.30						

•How to read the specifications→Page E-13

•Alarm Specifications: ④→Page E-15

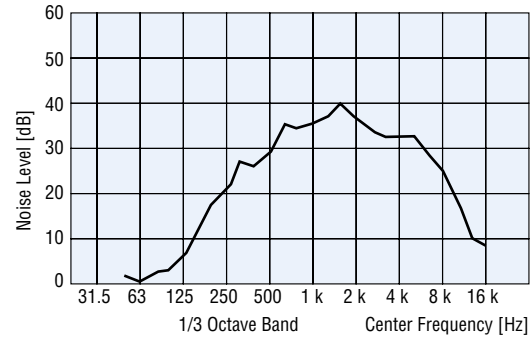
•Details of safety standards→Page G-2

## Air Flow — Static Pressure Characteristics



## Frequency — Audible Noise Level (dB)

Measured at a distance of 3.3 feet (1 m) from the fan intake side

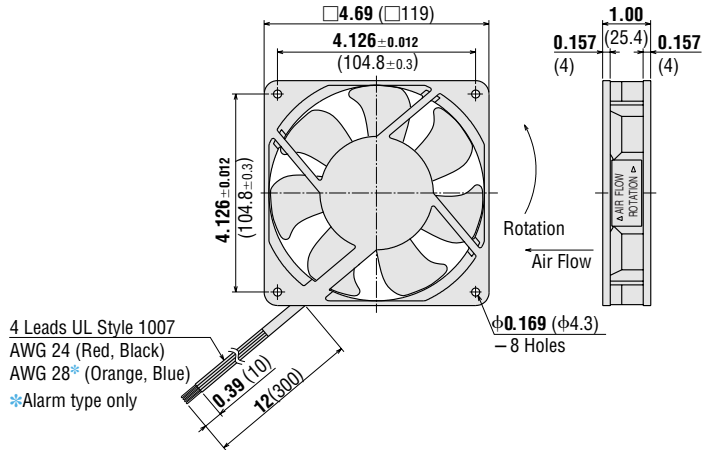


## Dimensions

Scale 1/4, Unit = inch (mm)

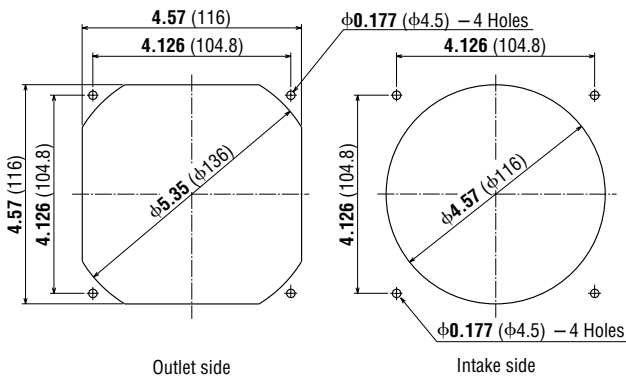
Weight: 0.66 lb. (0.3 kg)

DXF E020

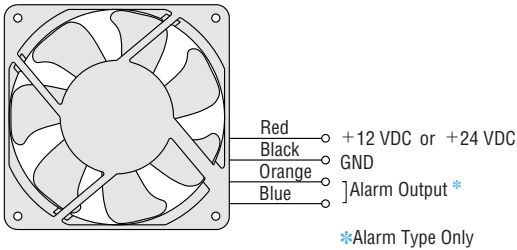


## Panel Cut-Out

Scale 1/4, Unit = inch (mm)



## Connection Diagram



## Accessories (Sold Separately)

Item	Model	Safety Standards	Page
Finger Guard	<b>FG12D</b>	*	E-102
Filter	<b>FL12</b>	—	E-106
Screen	<b>FS12</b>	—	E-107

\* These products have been designed to pass tests set forth under the UL and CSA standards for equipment used in fans. They conform to the standards only when used with an **ORIX FAN**.



- A filter or screen can be installed in place of the finger guard.

Introduction

MRS

Variable Flow

MU

Long Life MDE

MDS · MD

MB

MBD

MF

MFD

Thermostats

Accessories

Before Using a Fan