DC Input/Long-Life
MDE Series

[c**RU**us D C€ (Only for **MDE1225**), c**RU**us C€ (Only for **MDE1451**)]

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

The **MDE** Series long-life axial flow fans utilize a brushless motor and have an expected life of 100,000 hours. A stall alarm comes standard.
These fans are available from □60 mm (□2.36 in.) to φ172 mm (φ6.77 in.) in frame sizes.

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

■Features

Long-Life

By using long life fans with an expected life of 100,000 hours (approximately 11 years), the maintenance interval can be extended, and the number of times the cooling fans are replaced can also be reduced. In addition to reducing running costs, this also reduces scrapped parts, which can contribute to both financial and environmental gains.
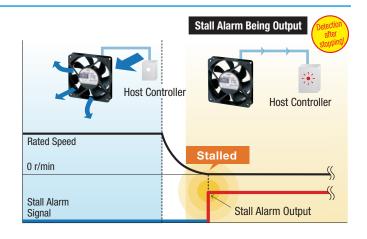
Wide Variety of Products

	MDE625	MDE825	MDE925	MDE1225	MDE1238	MDE1451	MDE1751*
Frame Size	□60 mm-25 mm thick (□2.36 in.-0.98 in. thick)	□80 mm-25 mm thick (□3.15 in.-0.98 in. thick)	□92 mm-25 mm thick (□3.62 in.-0.98 in. thick)	□119 mm-25.4 mm thick (□4.69 in.-1.00 in. thick)	□119 mm-38 mm thick (□4.69 in.-1.50 in. thick)	□140 mm-51 mm thick (□5.51 in.-2.01 in. thick)	φ172 mm-51 mm thick (φ6.77 in.-2.01 in. thick)
Alarm Type	Stall Alarm	Stall Alarm	Stall Alarm	Stall Alarm	Stall Alarm	Stall Alarm	Stall Alarm
Power Supply Voltage — 12 VDC				●			
Power Supply Voltage — 24 VDC	●	●	●	●	●	●	●
Power Supply Voltage — 48 VDC						●	

＊Side-cut type is also available.

Fans with Stall Alarm

Outputs an alarm when the cooling fan stops.
Quickly detects defective stops to allow the cooling fan to be replaced.

Stall Alarm Being Output

Detection after stopping!

Host Controller

Host Controller

Rated Speed

0 r/min

Stalled

Stall Alarm Signal

Stall Alarm Output

■ System Configuration

MDE Series

Peripheral Equipment (Sold separately)

Thermostat **AM2-XA1**

DC Power Supply (Main power supply)

Not supplied

Accessories (Sold separately)

Finger Guards   Filters   Screens

■ Product Number

● Fan Only

MDE 17 51 F - 24 L
   ①   ②   ③   ④   ⑤   ⑥

①	Series	**MDE**: **MDE** Series
②	Frame Size	**6**: 60 mm (2.36 in.), **8**: 80 mm (3.15 in.), **9**: 92 mm (3.62 in.), **12**: 119 mm (4.69 in.), **14**: 140 mm (5.51 in.), **17**: φ172 mm (φ6.77 in.)
③	Frame Thickness	**25**: 25 mm (0.98 in.) or 25.4 mm (1.00 in.), **38**: 38 mm (1.50 in.), **51**: 51 mm (2.01 in.)
④	Frame Shape	**F**: Side-cut
⑤	Power Supply Voltage	**12**: 12 VDC, **24**: 24 VDC, **48**: 48 VDC
⑥	Additional Function	**L**: Stall Alarm, Electronic Alarm Type

● Fan Kit

T - MDE1751F-24L G
  ①   ②   ③

①	Fan Kit Order Code
②	Fan Product Name
③	**-G**, **G**: With finger guard and installation screws

■ Product Line

Size	Power Supply Voltage VDC	Fan Only		Fan Kit	
		Product Name	List Price	Product Name	List Price
□60 mm - 25 mm Thick (□2.36 in. - 0.98 in. Thick)	24	**MDE625-24L**	$84.00	**T-MDE625-24L-G**	$88.00
□80 mm - 25 mm Thick (□3.15 in. - 0.98 in. Thick)	24	**MDE825-24L**	$84.00	**T-MDE825-24L-G**	$89.00
□92 mm - 25 mm Thick (□3.62 in. - 0.98 in. Thick)	24	**MDE925-24L**	$84.00	**T-MDE925-24L-G**	$90.00
□119 mm - 25.4 mm Thick (□4.69 in. - 1.00 in. Thick)	12	**MDE1225-12L**	$64.00	**T-MDE1225-12L-G**	$70.00
	24	**MDE1225-24L**	$64.00	**T-MDE1225-24L-G**	$70.00
□119 mm - 38 mm Thick (□4.69 in. - 1.50 in. Thick)	24	**MDE1238-24L**	$132.00	**T-MDE1238-24L-G**	$138.00
□140 mm - 51 mm Thick (□5.51 in. - 2.01 in. Thick)	24	**MDE1451-24L2**	$80.00	**T-MDE1451-24L2G**	$87.00
	48	**MDE1451-48L2**	$80.00	**T-MDE1451-48L2G**	$87.00
φ172 mm - 51 mm Thick (φ6.77 in. - 2.01 in. Thick)	24	**MDE1751-24L**	$152.00	**T-MDE1751-24L-G**	$166.00
	24	**MDE1751F-24L**	$152.00	**T-MDE1751F-24LG**	$169.00

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

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**
DC Input **MBD**

Cross Flow Fans

AC Input **MF**
DC Input **MFD**

Enclosure Fan Modules

Thermostat

Accessories

Installation