

## AC Input/Low-Power Consumption EMU Series



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



Reduced power consumption through the use of a built-in brushless motor. With support for a wide voltage range, the fans can use single-phase 100-240 VAC (50/60 Hz). The same characteristics can be achieved regardless of the frequency used.



See Full Product Details Online  
[www.orientalmotor.com](http://www.orientalmotor.com)

● Manual

● Specifications

● Dimensions

● CAD

● Characteristics

● Connection and Operation

### Features

#### Low-Power Consumption

By using brushless motors, power consumption is reduced by approximately 68%\*.

#### Lifetime of 60,000 hours (approx. 6 years)

By using brushless motors, heat generation can be reduced and unit life is increased 2.2 times\*.

\*Compared to **MU1238A-21B**.

#### Wide Voltage Support

Can be used with single-phase 100-240 VAC (50/60 Hz) power supply. The same characteristics can be achieved regardless of the frequency used.

#### Lightweight

The mass of the fan has been lightened by approximately 45%\* by using resin for the frame.

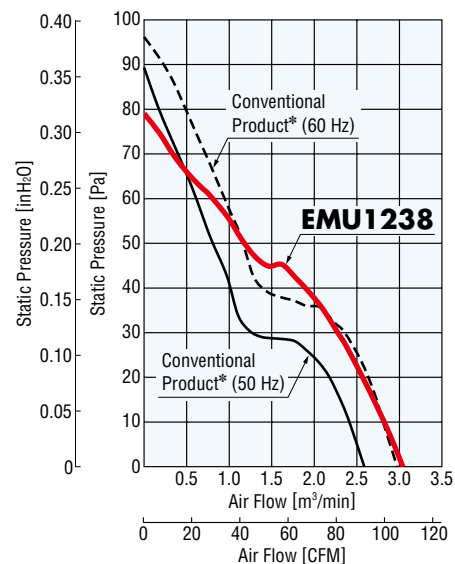
### Comparison of Specifications and Characteristics between the EMU Series and Conventional Products

#### ◇ Specification Comparison

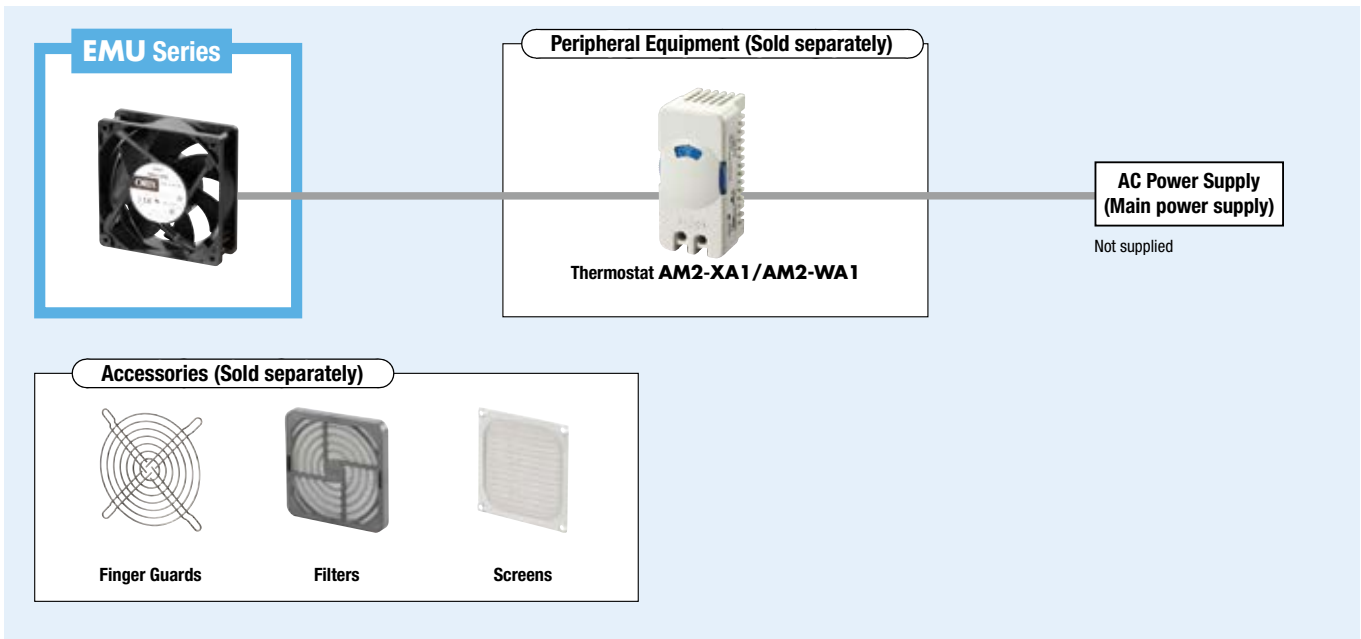
Item \ Product	EMU1238-□	Conventional Product* 50/60 Hz
Power Consumption [W]	4.4	14/13
Speed [r/min]	3250	2800/3250
Max. Air Flow [m <sup>3</sup> /min (CFM)]	3 (106)	2.7/3 (95.3/106)
Max. Static Pressure [Pa (inH <sub>2</sub> O)]	84 (0.337)	81/81 (0.325/0.325)
Noise Level [dB]	42	43/46
Mass [kg (lb.)]	0.29 (0.64)	0.53 (1.2)

\*MU1238A-21B

#### ◇ Characteristics Comparison



## System Configuration



## Product Number

● Fan Only

**EMU 12 38 - 1**

①      ②      ③      ④

①	Series	<b>EMU: EMU Series</b>
②	Frame Size	<b>12:</b> 120 mm (4.72 in.)
③	Frame Thickness	<b>38:</b> 38 mm (1.50 in.)
④	Plug Cord Length (Included)	<b>1:</b> 1 m (3.3 ft.), <b>2:</b> 2 m (6.6 ft.)

● Fan Kit

**T - EMU1238-1 - G**

①      ②      ③

①	Fan Kit Order Code	
②	Fan Product Name	
③	<b>G:</b> With finger guard and installation screws	

## Product Line

● Fan Only

Product Name	List Price
<b>EMU1238-1</b>	\$52.00
<b>EMU1238-2</b>	\$52.00

● Fan Kit

Product Name	List Price
<b>T-EMU1238-1-G</b>	\$58.00
<b>T-EMU1238-2-G</b>	\$58.00

Overview

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

For details (specifications, characteristics, dimensions and more) on these products, please either refer to our website or contact technical support or your nearest Oriental Motor sales office.  
[www.orientalmotor.com](http://www.orientalmotor.com)