

AC Axial Fans with Terminals (120 × 120 × t38 mm)

R87F-A□A15

Specifications

Ratings and Ordering Information

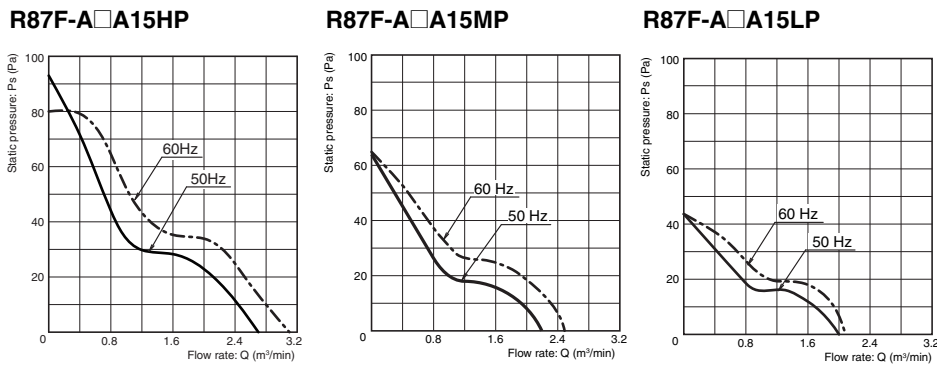
Note: An asterisk (*) indicates a nominal value.

Item Model	Rated voltage (V)	Permitted voltage fluctuation range (%)	Frequency (Hz)	Rated current (A) *		Rated input (W) *		Rated rotational speed (r/min) *		Maximum flow rate (m³/min) *		Maximum static pressure (Pa) *		Noise (dB) *	
				50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
R87F-A1A15HP	100 VAC	85% to 110% rated voltage	50/60	0.230	0.200	15	14	2,750	3,200	2.7	3.1	93	80	42	46
R87F-A3A15HP	115 VAC			0.190	0.170										
R87F-A4A15HP	200 VAC			0.110	0.100										
R87F-A6A15HP	230 VAC			0.090	0.080										
R87F-A1A15MP	100 VAC	85% to 110% rated voltage	50/60	0.220	0.180	15	14	2,450	2,700	2.2	2.5	64	64	39	42
R87F-A3A15MP	115 VAC			0.180	0.160										
R87F-A4A15MP	200 VAC			0.110	0.090										
R87F-A6A15MP	230 VAC			0.090	0.080										
R87F-A1A15LP	100 VAC	85% to 110% rated voltage	50/60	0.170	0.150	11	10	2,100	2,250	2.0	2.1	44	44	36	38
R87F-A3A15LP	115 VAC			0.140	0.120										
R87F-A4A15LP	200 VAC			0.080	0.070										
R87F-A6A15LP	230 VAC			0.070	0.060										

Characteristics

Motor type	Single-phase shading coil induction motor (2-pole, open type)
Terminal type	Terminals
Insulation class	IEC class B (130°C) cULus class B (130°C)
Insulation resistance	100 MΩ min. (at 500 VDC) between all power supply connections and uncharged metal parts.
Insulation withstand voltage	2,000 VAC (1 minute) between all power supply connections and uncharged metal parts.
Ambient operating temperature	–30 to 70°C (no icing)
Ambient storage temperature	–40 to 85°C (no icing)
Ambient humidity	25% to 85%
Protection	Impedance protection
Materials	Frame: Die-cast aluminum Blades: Glass polycarbonate
Bearings	Ball bearings
Weight	Approx. 540 g
Compliant standards	PSE, EN/IEC 60335 (CE marking compliant)
Certified standards	cULus

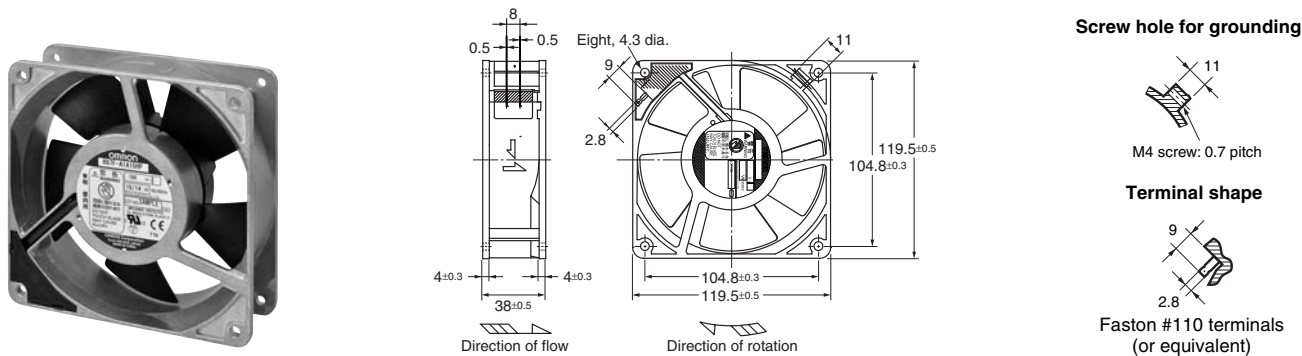
Flow Rate and Static Pressure Characteristics (Reference Values)



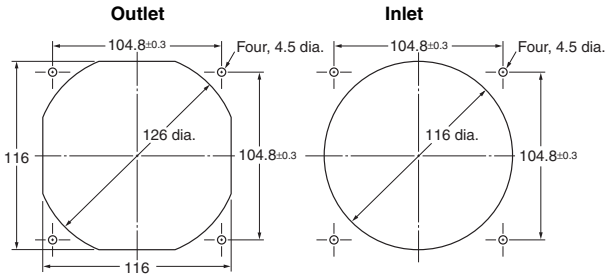
Note: For details on measurement conditions, refer to *Flow Rate and Static Pressure on Safety Precautions for All Axial Fans*.

Dimensions

(Unit: mm)



Panel Cutouts



Options

Name	Model	Datasheet available
Plug Cord	R87F-PC	Refer to page 24.
Finger Guard	R87F-FG120	Refer to page 25.
Filter	R87F-FL120(S)	Refer to page 26.
Set model	R87F-SET1238	Refer to page 25.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

In the interest of product improvement, specifications are subject to change without notice.