Wall Mount Type Ventilating Fan



Automatic Shutter Series



Reversible Series



Automatic Shutter Louver Series



Reversible Louver Series

FEATURES

1 SMART DESIGN

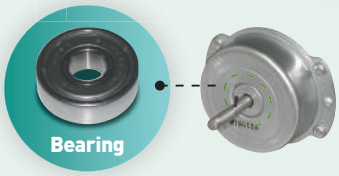
Adapted the new flat design, it creates a feeling of floating on the wall upon installation. Even for the louver series, the louver design is slim. The minimalistic design allows the ventilating fan assimilate into the space easily.





2 HALF PITCH MOTOR & BEARING

All models adopt half pitch condenser motor and long life bearing that prolongs the product durability, with average 60,000 hours life time. They also enable energy saving by reducing power consumption down to average 13%.



"HP Motor" and "Bearing" are used

3 THERMAL FUSE EQUIPPED

All motors are equipped with thermal fuses which stop the operation of the fans when they are overheated. It can prevent further temperature rise and reduce the risk of potential fire hazard of the motors.

4 SILENT STREAM FAN

Silent Stream Fan

New Blade design applies advanced aerodynamic principle that optimizes the design of blade shape.



3D Sickle Blade

New Blade design adopts an increased blade size and airfoil curve optimization. It can increase the air volume by adjusting the blade shape to match the airflow. Also, it can lower the noise by evening the airflow velocity.

Fingers Hang All Around

New spinner design improves the detachability which makes it easier to be removed for cleaning.



5 REVERSIBLE FUNCTION

With a pulling string, the fan blade spinning direction can be reversed, which brings greater flexibility that the ventilating fan not only exhausts air, but also intakes air. (only applicable for Reversible Louver series and Reversible series)

Both air exhaust and intake are feasible



AUTOMATIC SHUTTER SERIES & REVERSIBLE SERIES

Automatic Shutter Series

FV-15AST1 FV-20AY1 FV-20AU1 FV-25AU1 FV-30AU1

Reversible Series

FV-20RG1 FV-25RG1 FV-30RG1

- Flat surface design
- Silent stream fan
- Half pitch condenser motor with thermal cut-off
- Well-lubricated ball bearing for long life operation
- Automatic shutter
- Motor insulation Class B
- IP protection: IPX4 (outside)

Automatic Shutter Series

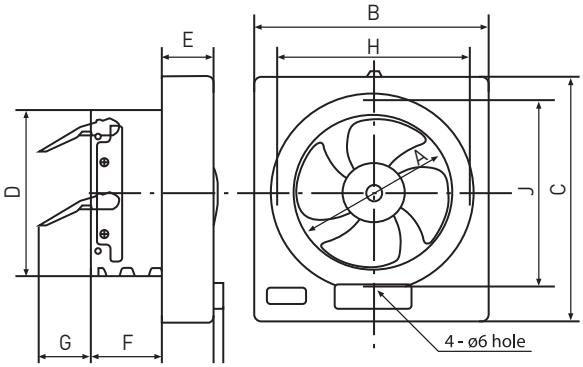


Reversible Series



FV-15AST1

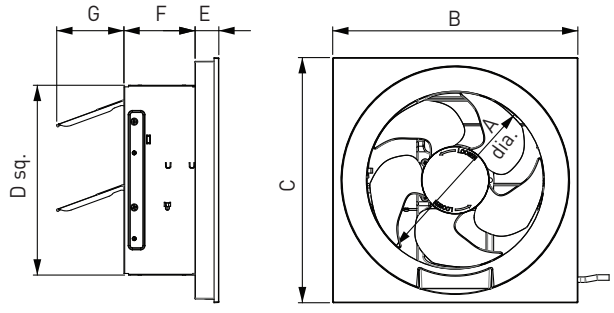




Dimension

Unit: mm

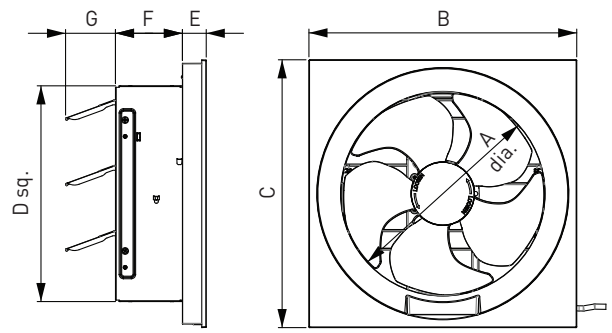
Model No.	A	B	C	D	E	F	G	H	J
FV-15AST1	150	240	254	170	52	75	52	195	195



Dimension

Unit: mm

Model No.	A	B	C	D	E	F	G
FV-20AY1 /20AU1 / 20RG1	223	310	310	240	30	90	85



Dimension

Unit: mm

Model No.	A	B	C	D	E	F	G
25AU1 / 25RG1	273	360	360	290	32	90	67
30AU1 / 30RG1	317	410	410	340	32	90	83

AUTOMATIC SHUTTER LOUVER SERIES & REVERSIBLE LOUVER SERIES

Automatic Shutter Louver Series

FV-20AL1 FV-25AL1 FV-30AL1

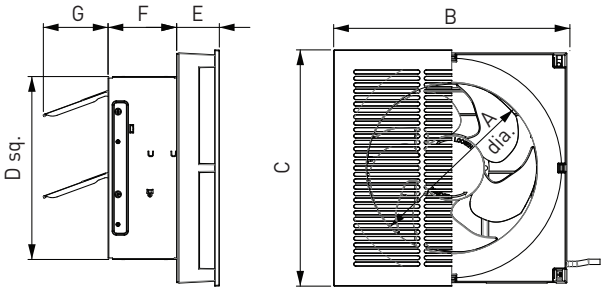
Reversible Louver Series

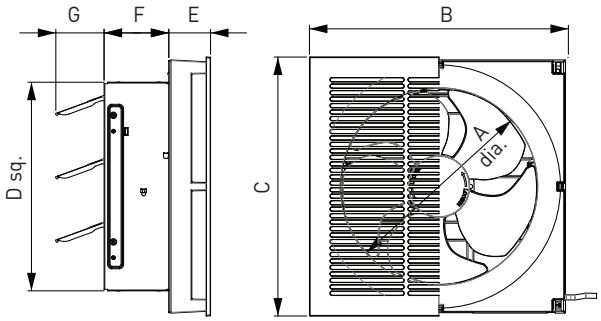
FV-20RL1 FV-25RL1 FV-30RL1





- Slim louver design
- Silent stream fan
- Half pitch condenser motor with thermal cut-off
- Well-lubricated ball bearing for long life operation
- Automatic shutter
- Motor insulation Class B
- IP protection: IPX4 (outside)





Dimension

Unit: mm

Model No.	A	B	C	D	E	F	G
20AL1 / 20RL1	223	310	310	240	56	90	85

Dimension

Unit: mm

Model No.	A	B	C	D	E	F	G
25AL1 / 25RL1	273	360	360	290	58	90	67
30AL1 / 30RL1	317	410	410	340	58	90	83

Specification

Series	Model No.		Voltage / Frequency	Air Volume		Speed	Consumption	Noise	Weight	Installation Space
			[V/Hz]	[CMH]	[CFM]	[RPM]	[W]	[dB(A)]	[kg]	W x L [mm]
Automatic Shutter Series	FV-15AST1	Exhaust	220 / 50	290	170	1,475	15	31	1.4	175 x 175
			240 / 50	306	180	1,560	19	33		
	FV-20AY1		220 / 50	380	223	835	13.5	27	1.9	250 x 250
	FV-20AU1		220 / 50	590	347	1,250	18	36	1.9	250 x 250
			240 / 50	620	365	1,290	21.5	37		
	FV-25AU1		220 / 50	950	559	1,200	25	38	2.3	300 x 300
			240 / 50	990	571	1,250	29	39		
	FV-30AU1		220 / 50	1,200	706	880	28	37	2.6	350 x 350
			240 / 50	1,300	765	980	32.5	38		
Reversible Series	FV-20RG1	Exhaust	220 / 50	590	347	1,260	17	36	2.0	250 x 250
		Intake		440	258	1,140	12.5	45		
	FV-25RG1	Exhaust	220 / 50	950	559	1,200	25	38	2.4	300 x 300
		Intake		670	394	1,040	16.5	45		
	FV-30RG1	Exhaust	220 / 50	1,200	706	910	27.5	37	2.7	350 x 350
		Intake		880	517	800	18	44		
Automatic Shutter Louver Series	FV-20AL1	Exhaust	220 / 50	550	323	1,250	18	38	2.0	250 x 250
			240 / 50	560	330	1,280	21.5	39		
	FV-25AL1		220 / 50	840	494	1,160	25	40.5	2.5	300 x 300
			240 / 50	880	518	1,250	30	43		
	FV-30AL1		220 / 50	1,000	588	840	28	39	2.8	350 x 350
			240 / 50	1,100	647	920	32.5	41		
Reversible Louver Series	FV-20RL1	Exhaust	220 / 50	550	323	1,240	17	38	2.1	250 x 250
		Intake		430	253	1,150	12.5	45		
	FV-25RL1	Exhaust	220 / 50	840	494	1,180	25	40.5	2.5	300 x 300
		Intake		600	353	1,000	16.5	43		
	FV-30RL1	Exhaust	220 / 50	1,000	588	860	27.5	39	2.8	350 x 350
		Intake		750	441	800	18	42		

1. The value of power consumption, air volume and noise are specified at the static pressure of 0 Pa.
2. The value of air volume is the mean value which is measured by our company.
3. The value of noise level is measured at 1m apart from the left, the right and the front of product, then get the average of three values.
4. The value of noise level is A weight average sound pressure level, the mean value is measured by our company
5. The value in Specification tables are representative characteristic value at 220V, 50Hz.

The disclaimer : * AMCA (Air Movement and Control Association International, Inc.) certifications have been obtained for the models designed for 220V/60Hz and 240V/50Hz. For further details, please refer to: https://www.amca.org/certified-listed/products.html?c=2663
*For model FV-15AST1, the motor bearing lifetime is estimated by calculating the mean time to failure (MTTF), which is determined by measuring the weight of bearing lubricant left after the test is completed
*For other models, the motor bearing lifetime is estimated by calculating the mean time to failure (MTTF), which is determined by measuring the temperature rise of the bearing when the product is in operation at high notch or highest speed at environment temperature of 40°C