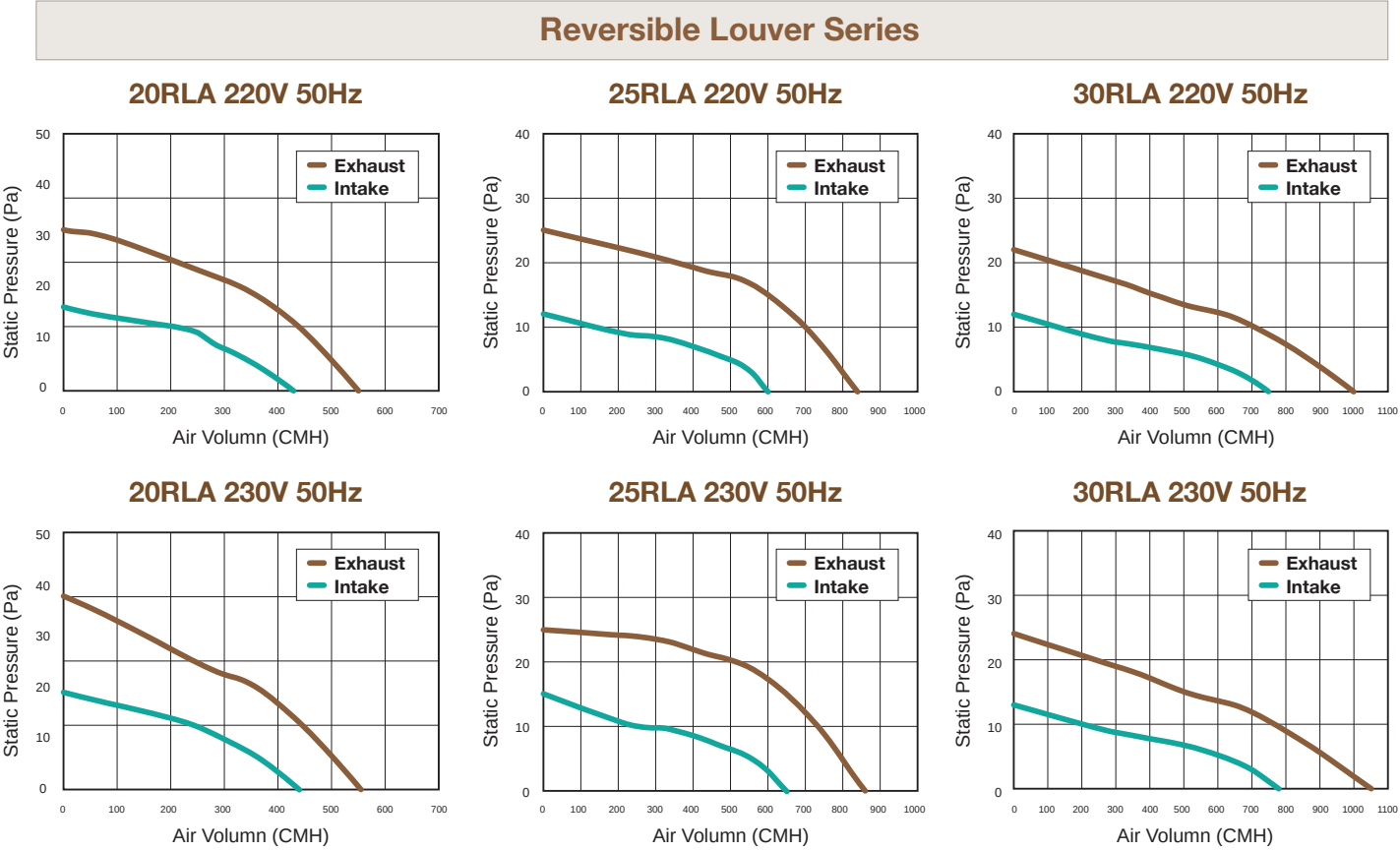
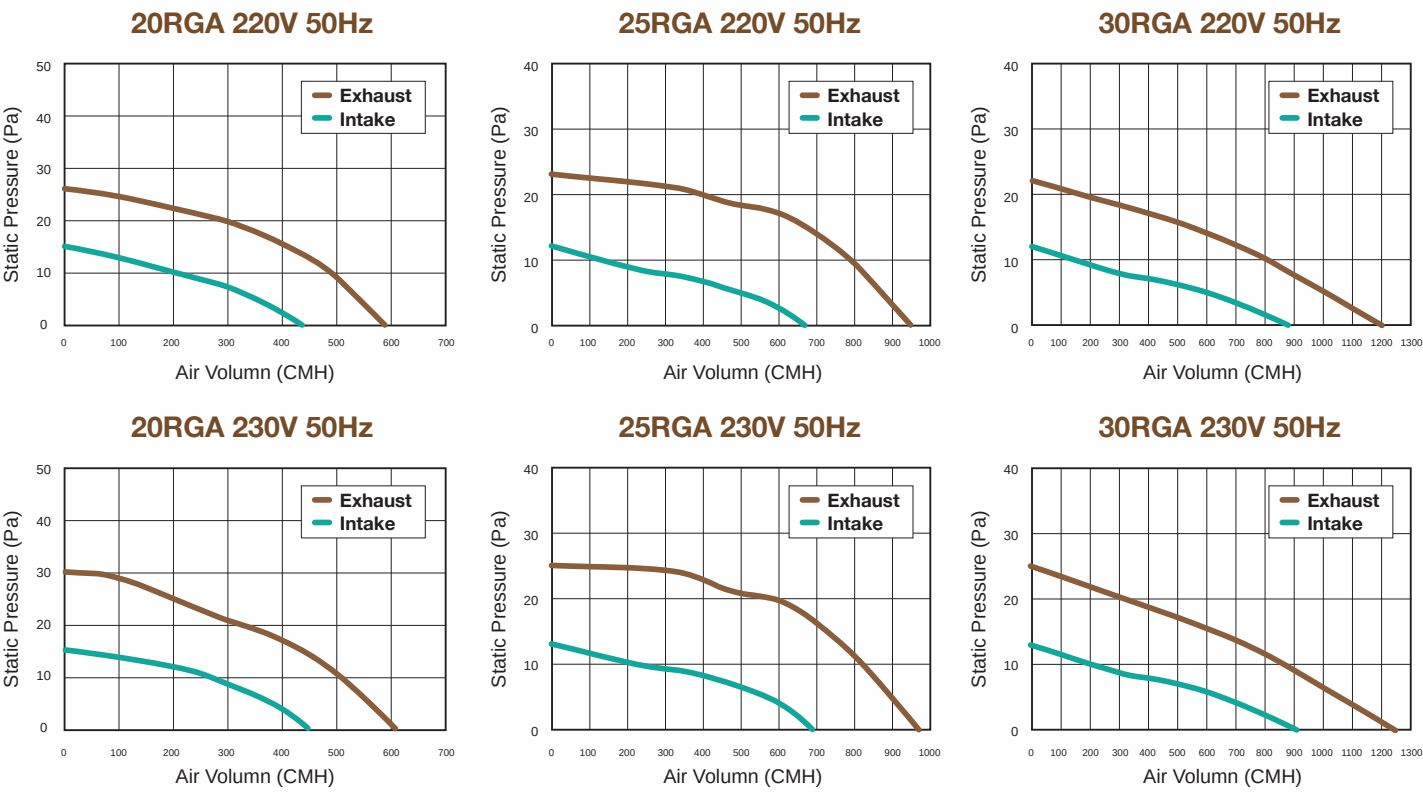


Performance

Reversible Series



WALL-MOUNT TYPE
VENTILATING FAN



FEATURES

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.

HALF PITCH MOTOR & BEARING

All models adopt half pitch capacitor induction motor and long life bearing that prolongs the product durability, with average 30,000 hours life. They also enable energy saving by reducing power consumption down to average 13%.

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.

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 even airflow velocity from the silent wing.

REVERSIBLE FUNCTION

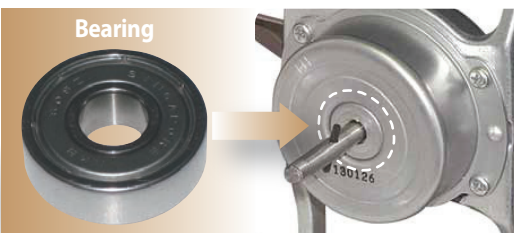
With a pulling string, the fan blade spinning direction can be reversed, which brings greater flexibility that the ventilating fan not only exhausts air, but also intakes air. (only applicable for Reversible Louver series and Reversible series)



Both air exhaust and intake are feasible



Only applicable for model:
20AUA/25AUA/30AUA
20ALA/25ALA/30ALA
20RGA/25RGA/30RGA
20RLA/25RLA/30RLA



Only applicable for model:
20AUA/25AUA/30AUA
20ALA/25ALA/30ALA
20RGA/25RGA/30RGA
20RLA/25RLA/30RLA

Metallic Series

20ASB/20ASB 05/
25ASB/25ASB 05/
30ASB/30ASB 05



- Condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- High performance propeller fan adopted
- Automatic shutter
- Powder painted metallic orifice, blade and oil cup
- Detachable oil cup

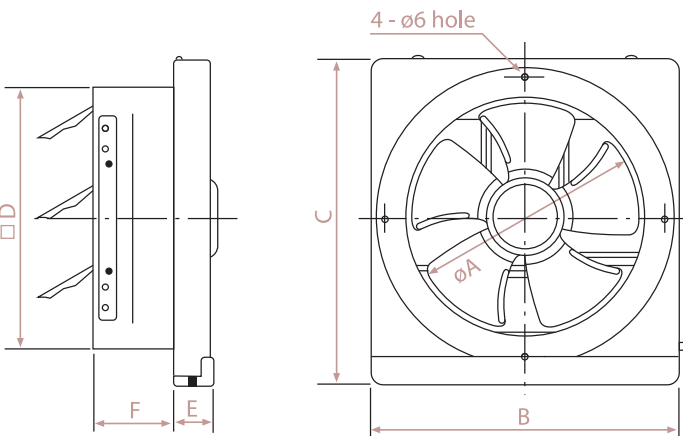
Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts*	
			inches of H ₂ O	0	0.025	0.05		FOR AMCA	FOR IEC
20ASB	220	60	CFM	330	259	183	1,358	25.5	21.5
	240	50	Sones	1.7	1.9	3.9			
20ASB 05	240	50	CFM	296	198	151	1,252	22.4	19.5
	240	50	Sones	1.5	1.7	3.2			
25ASB	220	60	CFM	296	198	151	1,252	22.4	19.5
	240	50	Sones	1.5	1.7	3.2			
25ASB 05	220	60	CFM	522	414	240	1,277	35.5	30.5
	240	50	Sones	1.9	1.6	2.2			
30ASB	220	60	CFM	486	434	314	1,194	35.1	29.5
	240	50	Sones	2.0	2.0	2.4			
30ASB 05	220	60	CFM	486	434	314	1,194	35.1	29.5
	240	50	Sones	2.0	2.0	2.4			
30ASB	220	60	CFM	637	400	85	1,088	39.8	34.5
	240	50	Sones	2.0	2.7	2.2			
30ASB 05	220	60	CFM	706	620	498	1,175	38.1	34
	240	50	Sones	2.9	2.3	2.2			
30ASB 05	220	60	CFM	706	620	498	1,175	38.1	34
	240	50	Sones	2.9	2.3	2.2			

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of a backdraft damper. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
*the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
**the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Dimension

Unit: mm



Model	A	B	C	D	E	F
20ASB/20ASB 05	200	300	312	240	50	90
25ASB/25ASB 05	250	350	362	290	45	90
30ASB/30ASB 05	300	400	412	340	45	90



Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the wall mount series models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

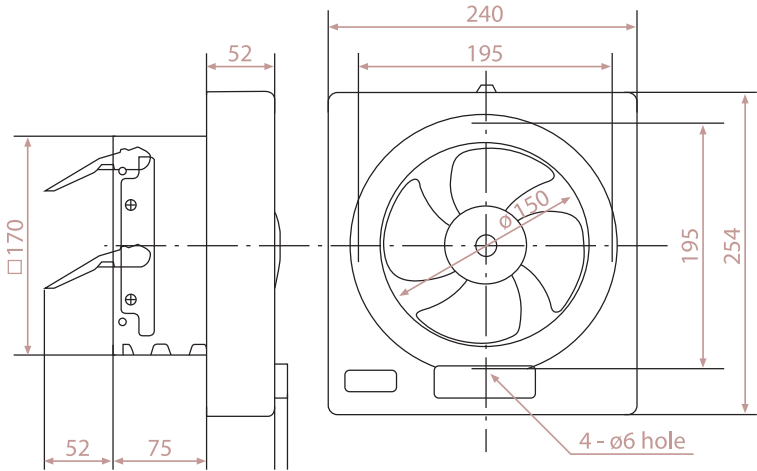
Automatic Shutter Series

15AAQ1



Dimension

Unit: mm



- Condenser motor with thermal cutoff
- Lubricated sintered bush for long life operation
- High performance propeller fan adopted
- Automatic shutter with plastic cushions
- Orifice equipped with oil cup



Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the wall mount series models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts*	
			inches of H ₂ O	0	0.025	0.05		FOR AMCA	FOR IEC
15AAQ1	220	60	CFM Sones	157 2.5	122 1.9	65 2.3	1,533	20.6	19
	240	50	CFM Sones	154 1.7	120 1.4	63 2.1	1,453	20.1	19

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of a backdraft shutter. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
*the Watts rating only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
**the Watts rating only for ICE test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Automatic Shutter Series

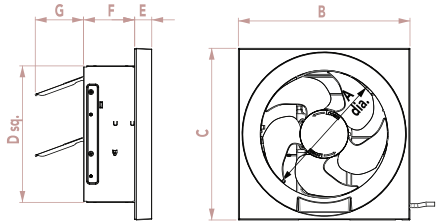
20AUA / 25AUA / 30AUA

Dimension

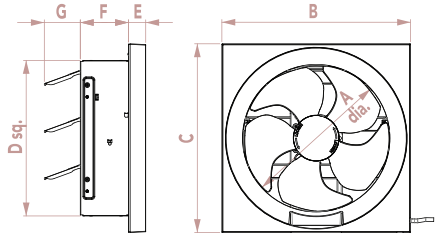
Unit: mm



20AUA



25AUA / 30AUA



- Flat surface design
- Silent stream fan
- HP condenser motor with thermal cut-off
- Well-lubricated bearing for long life operation
- Automatic shutter
- Single speed
- Motor insulation Class B



Model	A	B	C	D	E	F	G
20AUA	223	302	302	240	30	90	85
25AUA	273	352	352	290	32	90	67
30AUA	317	402	402	340	32	90	83



Panasonic Electric Works Vietnam Co., Ltd. certifies that the Wall Mount Series models AUA shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)					Speed [RPM]	Watts*	
			inches of H ₂ O	0	0.02	0.04	0.06		FOR AMCA	FOR IEC
20AUA	220	60	CFM Sones	370 2.1	328 2.1	274 2.2	227 2.5	1,430	23.5	22
	240	50	CFM Sones	339 2.0	295 2.1	257 2.0	200 4.5	1,303	23	21.5
25AUA	220	60	CFM Sones	542 2.4	504 2.3	460 1.9	361 2.5	1,387	33.2	31
	240	50	CFM Sones	542 3.6	493 3.2	443 3.0	394 3.1	1,252	31	29
30AUA	220	60	CFM Sones	655 2.0	567 1.6	456 1.9	242 2.4	938	35.3	33
	240	50	CFM Sones	696 2.0	580 1.8	491 1.6	340 2.2	964	34.8	32.5

Performance certified is for installation type A: Free inlet, Free outlet with partition. Performance ratings include the effects of a backdraft shutter for Model AUA. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
*the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
**the Watts rating is only for IEC test method.

Automatic Shutter Series

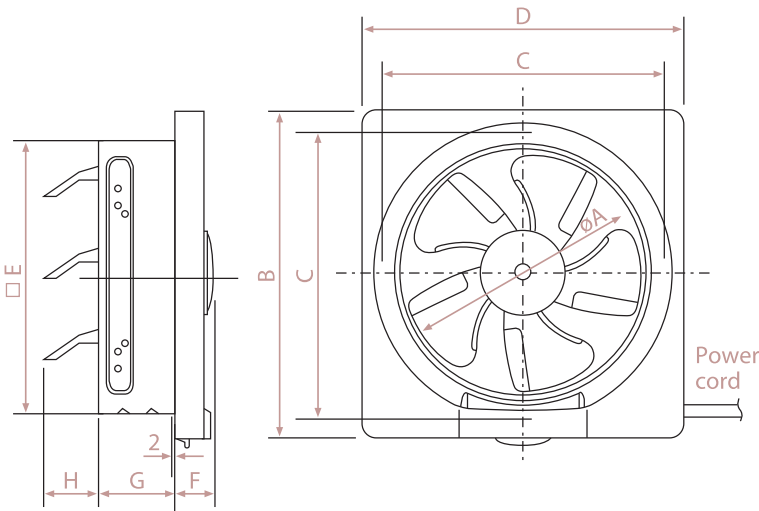
20AUH/25AUH/
30AUH 11



- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30AUH 11)
- Automatic shutter
- Single speed

Dimension

Unit: mm



Model	A	B	C	D	E	F	G	H
20AUH	200	306	260	302	240	52	90	80
25AUH	250	356	310	352	290	38	90	63
30AUH 11	300	406	360	402	340	38	90	78



Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the wall mount series models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts*	
			inches of H ₂ O	0	0.025	0.05		FOR AMCA	FOR IEC
20AUH	220	60	CFM Sones	355 2.5	314 2.5	196 1.7	1,410	32.4	28.5
25AUH	220	60	CFM Sones	514 1.8	426 1.5	290 1.8	1,200	37.8	33
30AUH 11	220	60	CFM Sones	572 1.0	453 1.7	235 2.6	856	37.0	33

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of a backdraft damper. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
*the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
**the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Automatic Shutter Series

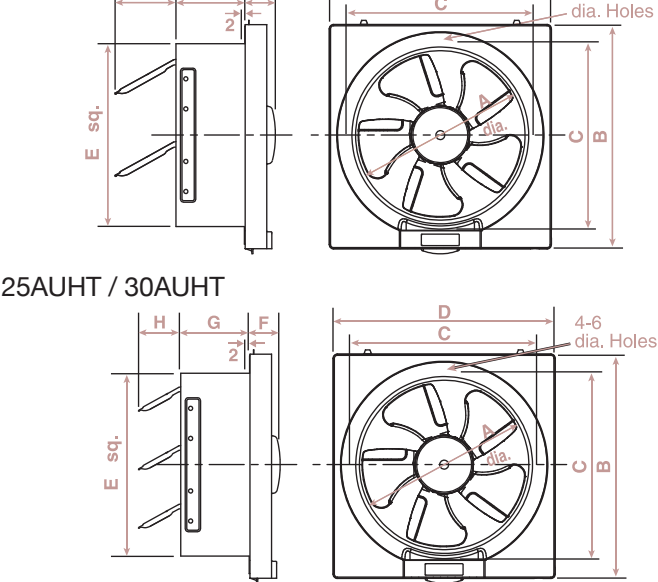
20AUHT/25AUHT/
30AUHT



- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30AUHT)
- Automatic shutter
- Single speed

Dimension

Unit: mm



Model	A	B	C	D	E	F	G	H
20AUHT	200	306	260	302	240	52	90	80
25AUHT	250	356	310	352	290	38	90	63
30AUHT	300	406	360	402	340	38	90	78



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Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts*	
			inches of H ₂ O	0	0.02	0.04		FOR AMCA	FOR IEC
20AUHT	220	60	CFM Sones	356 2.3	315 2.4	271 1.8	1,343	24.5	22
	240	50	CFM Sones	338 2.1	294 2.4	253 2	1,234	23.5	21.5
25AUHT	220	60	CFM Sones	515 2.5	421 2.3	330 1.9	1,113	34.3	31
	240	50	CFM Sones	527 5.8	465 5.6	400 5.2	1,143	35.2	32
30AUHT	220	60	CFM Sones	586 2.2	486 2.2	335 4.1	874	40.4	38
	240	50	CFM Sones	624 3.7	565 3.6	491 3.6	935	41.5	39

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of a backdraft damper. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
* the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
** the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Automatic Shutter Louver Series

20ALA/25ALA/30ALA



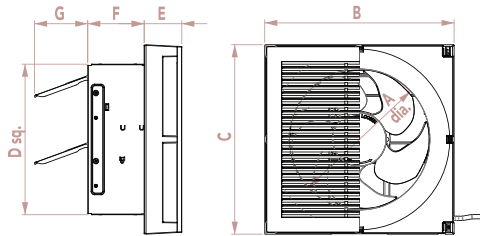
- Louver for protection
- Slim louver design
- Silent stream fan
- HP condenser motor with thermal cut-off
- Well-lubricated bearing for long life operation
- Automatic shutter
- Single speed
- Motor insulation Class B



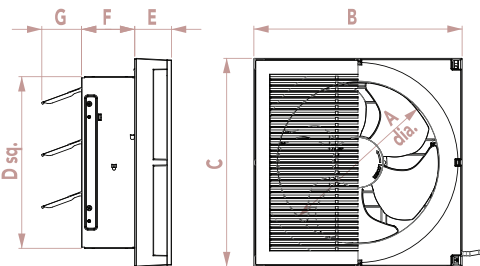
Dimension

Unit: mm

20ALA



25ALA / 30ALA



Model	A	B	C	D	E	F	G
20ALA	223	302	302	240	60	90	85
25ALA	273	352	352	290	62	90	67
30ALA	317	402	402	340	62	90	83



Panasonic Electric Works Vietnam Co., Ltd. certifies that the Wall Mount Series models ALA shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				Speed [RPM]	Watts*	
			inches of H ₂ O	0	0.02	0.04		FOR AMCA	FOR IEC
20ALA	220	60	CFM Sones	334 2.8	296 2.7	256 3.1	1,398	23.5	22
	240	50	CFM Sones	301 2.5	274 2.5	234 2.7	1,278	23	21.5
25ALA	220	60	CFM Sones	471 3.4	411 3.2	350 2.9	1,224	33.2	31
	240	50	CFM Sones	482 4.2	438 4.1	389 3.8	1,217	32.1	30
30ALA	220	60	CFM Sones	510 2.5	446 2.0	372 3.0	867	35.3	33
	240	50	CFM Sones	571 3.1	494 2.6	411 2.5	896	35.3	32.5

Performance certified is for installation type A: Free inlet, Free outlet with partition. Performance ratings include the effects of inlet grille and backdraft shutter for Model ALA. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.

*the Watts rating is only for AMCA test method and it is at the statistic pressure of 0 inch of H₂O.

**the Watts rating is only for IEC test method.

Automatic Shutter Louver Series

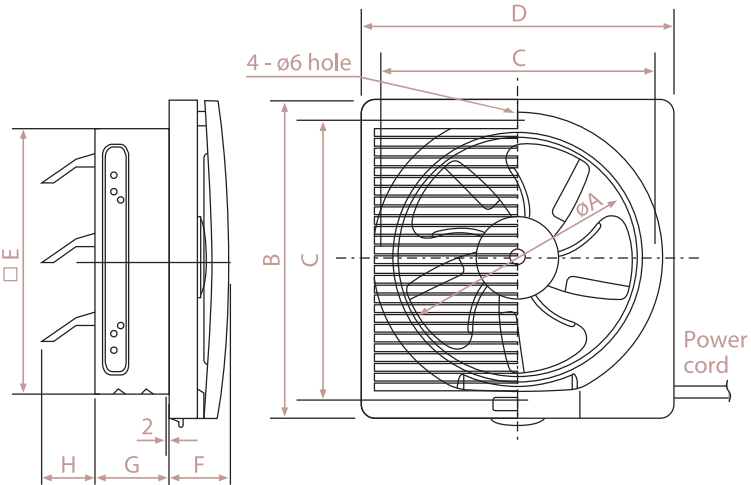
20ALH/25ALH/
30ALF 11



- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30ALF 11)
- Automatic shutter
- Single speed

Dimension

Unit: mm



Model	A	B	C	D	E	F	G	H
20ALH	200	306	260	302	240	68	90	80
25ALH	250	356	310	352	290	63	90	63
30ALF 11	300	406	360	402	340	63	90	78



Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the wall mount series models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts*	
			inches of H ₂ O	0	0.025	0.05		FOR AMCA	FOR IEC
20ALH	220	60	CFM Sones	328 3.5	280 3.2	170 3.4	1,385	32.8	28.5
25ALH	220	60	CFM Sones	420 2.7	372 2.7	232 4.6	1,097	37.5	33
30ALF 11	220	60	CFM Sones	447 2.0	288 2.7	154 2.2	746	37.1	33

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of an inlet grill and backdraft damper. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.

*the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.

**the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Automatic Shutter Louver Series

20ALHT/25ALHT/
30ALFT

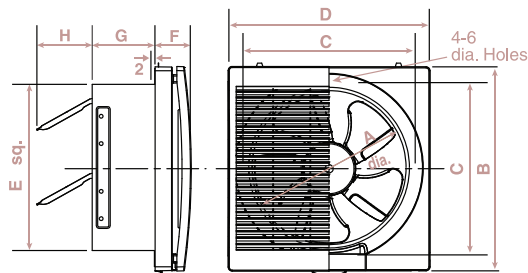


- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30ALFT)
- Automatic shutter
- Single speed

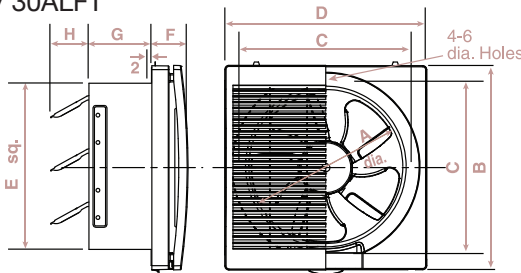
Dimension

Unit: mm

20ALHT



25ALHT / 30ALFT



Model	A	B	C	D	E	F	G	H
20ALHT	200	306	260	302	240	68	90	80
25ALHT	250	356	310	352	290	63	90	63
30ALFT	300	406	360	402	340	63	90	78



Panasonic Ecology Systems (Thailand) Co., Ltd. certifies that the wall mount series models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

Specifications

Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)					RPM	Watts*	Watts**
			inches of H ₂ O	0	0.02	0.04	0.06		FOR AMCA	FOR IEC
20ALHT	220	60	CFM Sones	327 2.8	294 2.7	256 4.3	162 5.3	1,277	24.2	22
	240	50	CFM Sones	300 2.6	274 2.5	234 3.8	141 3.8	1,228	23.5	21.5
25ALHT	220	60	CFM Sones	465 3.5	409 3.2	350 3	250 5.4	1,116	40	36
	240	50	CFM Sones	468 5.5	418 5.9	371 5	327 5.2	1,152	35.2	32
30ALFT	220	60	CFM Sones	503 2.6	374 3	230 3.1	119 2.5	833	42	38
	240	50	CFM Sones	571 3.8	494 3.7	406 5.1	247 3.8	921	44.3	40

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of an inlet grill and backdraft damper. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
* the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
** the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Reversible Series

20RGA/25RGA/30RGA



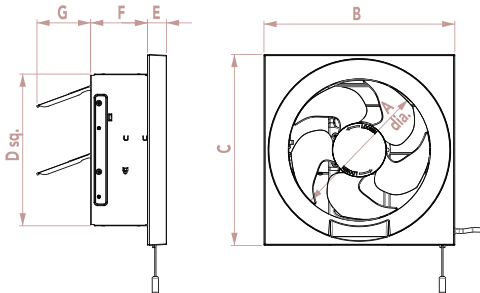
- Reversible series
- Flat surface design
- Silent stream fan
- HP condenser motor with thermal cut-off
- Well-lubricated bearing for long life operation
- Cord operated shutter
- Single speed
- Motor insulation Class B



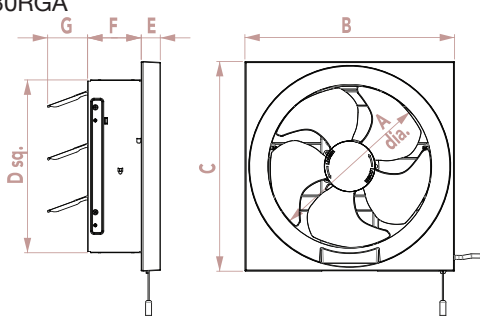
Dimension

Unit: mm

20RGA



25RGA / 30RGA



Model	A	B	C	D	E	F	G
20RGA	223	302	302	240	30	90	85
25RGA	273	352	352	290	32	90	67
30RGA	317	402	402	340	32	90	83

Specifications

Model		Voltage [V]	Frequency [Hz]	Consumption [W]	Air Volume		Noise [dB(A)]	Weight [Kg]	Installation Space [mm]
					[CMH]	[CFM]			
20RGA	Exhaust	220	50	17	590	347	36	2.0	250 x 250
	Intake			12.5	440	258	45		
	Exhaust	230	50	18	610	359	36.5		
	Intake			13	450	264	46		
25RGA	Exhaust	220	50	25	950	559	38	2.4	300 x 300
	Intake			16.5	670	394	45		
	Exhaust	230	50	27	970	570	38.5		
	Intake			17.5	690	406	47		
30RGA	Exhaust	220	50	27.5	1,200	706	37	2.7	350 x 350
	Intake			18	880	517	44		
	Exhaust	230	50	30	1,250	735	38		
	Intake			19.5	920	541	46		

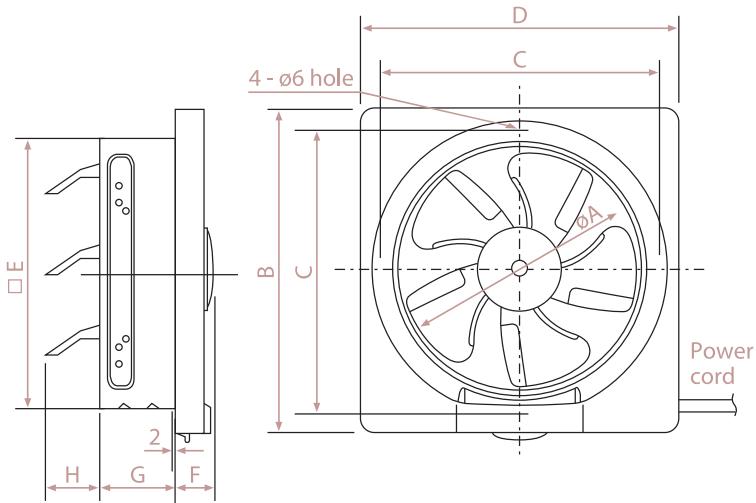
Reversible Series

20RGF/25RGF/30RGF



Dimension

Unit: mm



Model	A	B	C	D	E	F	G	H
20RGF	200	306	260	302	240	52	90	80
25RGF	250	356	310	352	290	38	90	63
30RGF	300	406	360	402	340	38	90	78

- Reversible
- On-off and reverse operated by pull cord switch
- HP condenser motor with thermal cut-off
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30RGF)
- Shutter operated by pull cord

Specifications

Model		Voltage [V]	Frequency [Hz]	Consumption [W]	RPM [min ⁻¹]	Air Volume		Noise [dB(A)]	Weight [Kg]	Installation Space [mm]
						[CMH]	[CFM]			
20RGF	Exhaust	220	50	20	1,290	580	341	36	2.2	250 x 250
			60	25	1,440	650	383	39		
	Intake		50	16	1,100	405	238	46		
			60	17	1,170	355	209	48		
25RGF	Exhaust	220	50	29	1,120	945	556	38	2.4	300 x 300
			60	34	1,145	950	559	39		
	Intake		50	20	900	640	377	45		
			60	24	995	645	380	44		
30RGF	Exhaust	220	50	31	990	1,165	686	39	2.8	350 x 350
			60	33	995	1,150	677	38		
	Intake		50	24	905	800	471	43		
			60	24	810	745	428	42		

Note: The value in Specification table are representative characteristic value at 220V, 50/60Hz
RPM data is for reference only. Values may vary subject to different conditions.

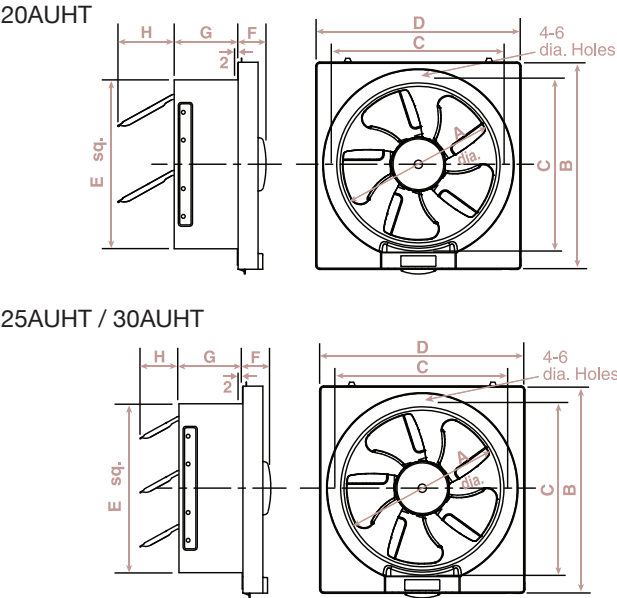
Reversible Series

20RGFT/25RGFT/30RGFT



Dimension

Unit: mm



Model	A	B	C	D	E	F	G	H
20RGFT	200	306	260	302	240	52	90	80
25RGFT	250	356	310	352	290	38	90	63
30RGFT	300	406	360	402	340	38	90	78

- Reversible
- On-off and reverse operated by pull cord switch
- HP condenser motor with thermal cut-off
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30RGFT)
- Shutter operated by pull cord

Specifications

Model		Voltage [V]	Frequency [Hz]	Consumption [W]	RPM [min ⁻¹]	Air Volume		Noise [dB(A)]	Weight [Kg]	Installation Space [mm]
						[CMH]	[CFM]			
20RGFT	Exhaust	220	50	20	1,260	580	341	36	2.2	250 x 250
			60	24	1,410	630	371	39		
	Intake		50	15	1,150	405	238	46		
			60	17	1,140	355	209	46		
25RGFT	Exhaust	220	50	27	1,090	945	556	38	2.4	300 x 300
			60	31	1,110	950	559	39		
	Intake		50	21	1,010	600	353	45		
			60	23	970	560	330	44		
30RGFT	Exhaust	220	50	31	885	1,165	686	39	2.8	350 x 350
			60	38	800	1,000	589	38		
	Intake		50	24	840	700	412	43		
			60	26	810	680	400	42		

Note: The value in Specification table are representative characteristic value at 220V, 50/60Hz
RPM data is for reference only. Values may vary subject to different conditions.

Reversible Louver Series

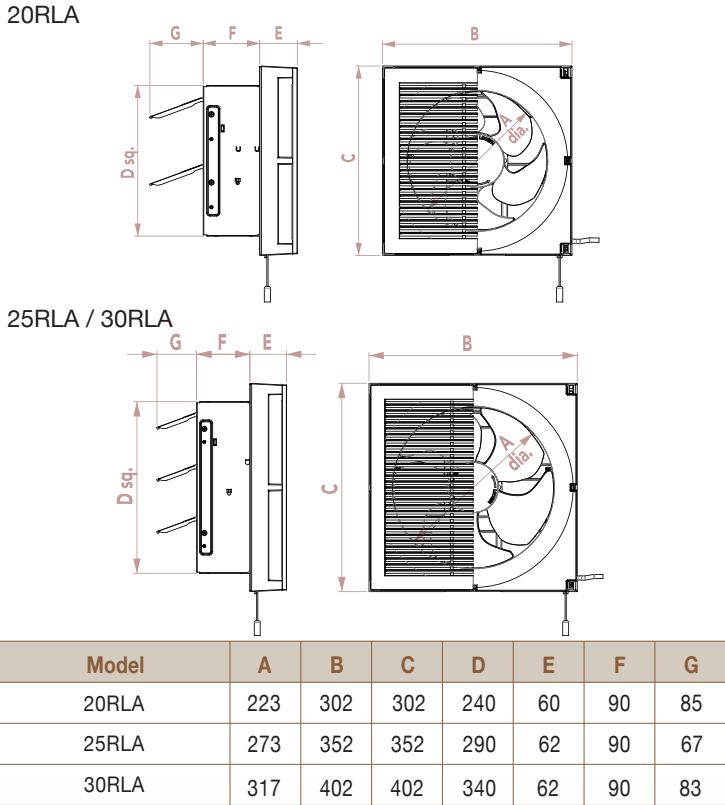
20RLA/25RLA/30RLA



- Reversible series
- Louver for protection
- Slim louver design
- Silent stream Fan
- HP condenser motor with thermal cut-off
- Well-lubricated bearing for long life operation
- Cord operated shutter
- Single speed
- Motor insulation Class B

Dimension

Unit: mm



Specifications

Model		Voltage [V]	Frequency [Hz]	Consumption [W]	Air Volume		Noise [dB(A)]	Weight [Kg]	Installation Space [mm]
					[CMH]	[CFM]			
20RLA	Exhaust	220	50	17	550	323	38	2.2	250 x 250
	Intake			12.5	430	253	45		
	Exhaust	230	50	18	555	326	38.5		
	Intake			13	440	258	45		
25RLA	Exhaust	220	50	25	840	494	40.5	2.6	300 x 300
	Intake			16.5	600	353	43		
	Exhaust	230	50	27	860	506	42		
	Intake			17.5	650	382	45		
30RLA	Exhaust	220	50	27.5	1,000	588	39	2.9	350 x 350
	Intake			18	750	441	42		
	Exhaust	230	50	30	1,050	618	40		
	Intake			19.5	780	459	43		

Reversible Louver Series

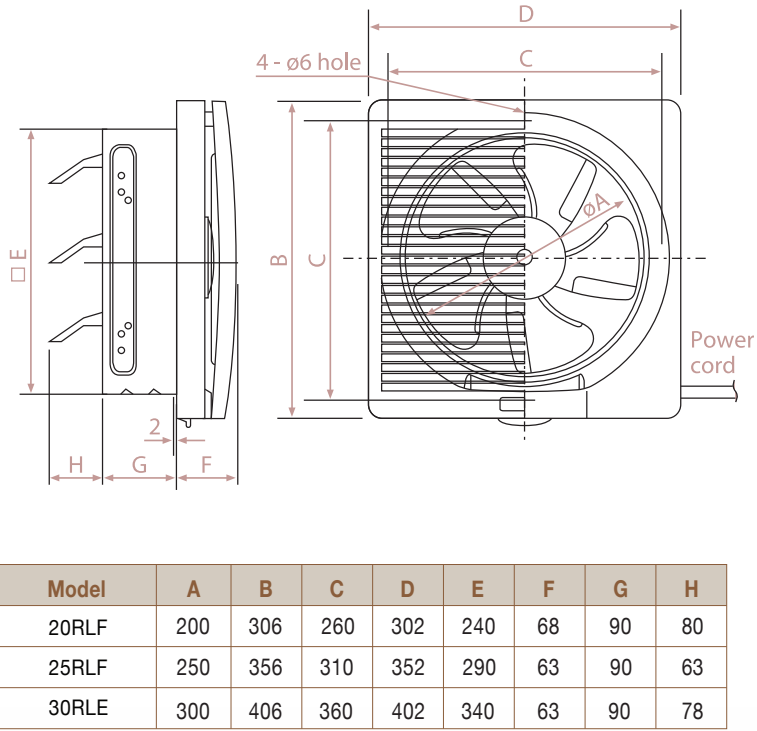
20RLF/25RLF/30RLE



- Reversible
- On-off and reverse operated by pull cord switch
- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30RLE)
- Shutter operated by pull cord

Dimension

Unit: mm



Specifications

Model		Voltage [V]	Frequency [Hz]	Consumption [W]	RPM [min ⁻¹]	Air Volume		Noise [dB(A)]	Weight [Kg]	Installation Space [mm]
						[CMH]	[CFM]			
20RLF	Exhaust	220	50	20	1,275	546	321	39	2.4	250 x 250
			60	25	1,290	600	353	43		
	Intake		50	17	1,225	385	227	46		
			60	17	1,145	340	200	49		
25RLF	Exhaust	220	50	29	1,060	876	516	41	2.7	300 x 300
			60	34	1,060	835	491	41		
	Intake		50	20	1,020	570	335	45		
			60	24	970	573	338	43		
30RLE	Exhaust	220	50	31	876	990	583	44	3.1	350 x 350
			60	33	885	945	556	43		
	Intake		50	24	850	730	430	43		
			60	24	776	690	406	44		

Note: The value in Specification table are representative characteristic value at 220V, 50/60Hz
RPM data is for reference only. Values may vary subject to different conditions.

Reversible Louver Series

20RLFT/25RLFT/30RLET



- Reversible
- On-off and reverse operated by pull cord switch
- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design (except 30RLET)
- Shutter operated by pull cord

Specifications

Model		Voltage [V]	Frequency [Hz]	Consumption [W]	RPM [min ⁻¹]	Air Volume		Noise [dB(A)]	Weight [Kg]	Installation Space [mm]
						[CMH]	[CFM]			
20RLFT	Exhaust	220	50	20	1,240	548	321	39	2.4	250 x 250
	Intake		60	24	1,290	570	335	43		
			50	15	1,190	370	218	46		
			60	17	1,180	340	200	46		
25RLFT	Exhaust	220	50	29	1,100	840	494	43	2.7	300 x 300
	Intake		60	33	1,100	835	491	43		
			50	21	1,035	580	341	43		
			60	23.5	1,035	560	330	44.5		
30RLET	Exhaust	220	50	31	890	990	583	44	3.1	350 x 350
	Intake		60	38	880	945	558	43		
			50	25	770	600	353	43		
			60	26	770	600	353	44		

Note: The value in Specification table are representative characteristic value at 220V, 50/60Hz
RPM data is for reference only. Values may vary subject to different conditions.

Specifications

Series	Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts* FOR AMCA	Watts** FOR IEC
				inches of H ₂ O	0	0.025	0.05			
Metallic	20ASB	220	60	CFM	330	259	183	1,358	25.5	21.5
		240	50	Sones	1.7	1.9	3.9	1,252	22.4	19.5
	20ASB 05	240	50	CFM	296	198	151	1,252	22.4	19.5
				Sones	1.5	1.7	3.2			
	25ASB	220	60	CFM	522	414	240	1,277	35.5	30.5
		240	50	Sones	1.9	1.6	2.2	1,194	35.1	29.5
	25ASB 05	240	50	CFM	486	434	314	1,194	35.1	29.5
				Sones	2.0	2.0	2.4			
	30ASB	220	60	CFM	637	400	85	1,088	39.8	34.5
		240	50	Sones	2.0	2.7	2.2	1,175	38.1	34
Automatic Shutter	15AAQ1	220	60	CFM	706	620	498	1,175	38.1	34
		240	50	Sones	2.9	2.3	2.2			
	20AUH	220	60	CFM	706	620	498	1,175	38.1	34
				Sones	2.9	2.3	2.2			
	25AUH	220	60	CFM	157	122	65	1,533	20.6	19
				Sones	2.5	1.9	2.3	1,453	20.1	19
Automatic Shutter Louver	20ALH	220	60	CFM	154	120	63	1,410	32.4	28.5
				Sones	1.7	1.4	2.1	1,200	37.8	33
	25ALH	220	60	CFM	514	426	290	856	37.0	33
				Sones	1.8	1.5	1.8			
	30ALH 11	220	60	CFM	572	453	235			
				Sones	1.0	1.7	2.6			
Automatic Shutter Louver	20ALH	220	60	CFM	328	280	170	1,385	32.8	28.5
				Sones	3.5	3.2	3.4	1,097	37.5	33
	25ALH	220	60	CFM	420	372	232			
				Sones	2.7	2.7	4.6	756	37.1	33
	30ALH 11	220	60	CFM	447	288	154			
				Sones	2.0	2.7	2.2			

Series	Model	Voltage [V]	Frequency [Hz]	CFM/SONE AT STATIC Pressure (ps-inches of H ₂ O)				RPM	Watts* FOR AMCA	Watts** FOR IEC
				inches of H ₂ O	0	0.02	0.04			
Automatic Shutter	20AUHT	220	60	CFM	356	315	271	1,343	24.5	22
		240	50	Sones	2.3	2.4	1.8	1,234	23.5	21.5
	25AUHT	220	60	CFM	338	294	253	1,113	34.3	31
		240	50	Sones	2.1	2.4	2	1,143	35.2	32
	30AUHT	220	60	CFM	515	421	330	874	40.4	38
		240	50	Sones	2.5	2.3	1.9	935	41.5	39
	20ALHT	220	60	CFM	527	465	400	1,277	24.2	22
		240	50	Sones	5.8	5.6	5.2	1,228	23.5	21.5
	25ALHT	220	60	CFM	586	486	335	1,116	40	36
		240	50	Sones	2.2	2.2	4.1	1,152	35.2	32
Automatic Shutter Louver	20ALHT	220	60	CFM	624	565	491	833	42	38
		240	50	Sones	3.7	3.6	3.6	921	44.3	40
	25ALHT	220	60	CFM	327	294	256			
		240	50	Sones	2.8	2.7	4.3			
	30ALFT	220	60	CFM	300	274	234			
		240	50	Sones	2.6	2.5	3.8			

Performance certified is for installation type A: Free inlet, Free outlet. Performance ratings include the effects of a backdraft shutter for Model ASB, ASB05, AAQ, AUHT and AUH. Performance ratings include the effects of an inlet grille and backdraft shutter for Model ALH and ALHT. The speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H₂O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free inlet hemispherical sone levels.
*the Watts rating only for AMCA test method and it is at the static pressure of 0 inch of H₂O.
**the Watts rating only for ICE test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.