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CATALOG NO: K-AMCA009 February 2023



General Feature For Super Quiet Series, Standard Series and DC Motor Series

General Feature For Metal Series

24CMUA / 24CMHA

Metal Shutter

Metal

Metal

Sirocco Fan

Duct Adaptor



Long Life

- The unique design of HP (Half Pitch) motor, incorporates with well lubricated ball bearings, temperature rise is reduced that prolongs motor lifetime and product durability
- · Frame assembly made of ZAM alloy coated steel enhances rust protection
- · Louver adopts PP material that is comparatively higher chemical resistant and weatherability than ABS material of previous model

Highly Efficient

- Taper blade design effectively controls the turbulence surrounding the blade. Strong and smooth ventilation performance is achieved while noise level is reduced, by whole of the blade
- · Curve-shaped backdraft shutter results in further improvement of air tightness and strength

Super Low Noise

• The integrated casing and orifice minimizes the transmission of noise from the fan and motor to exterior. This technology further reduces the operation noise to incredibly low level by "Resonance-Noise-Absorption" operation, which creates a tranquility and silent environment for your life

Easy Installation

- Cassette type discharge adaptor facilitating installation of the product, as well as duct connecting work
- Spring-clip louver allows convenient installation and removal of louver



- Sirocco fan sustains high static pressure induced by long duct and reduces noise level
- · Unique seam-processed casing ensures strength and hermetic sealing
- · Reverse flow prevention shutter results in further improvement of air tightness

Easy Installation & Maintenance

- · Detachable duct adaptor makes installation simply
- · Spring-clip louver allows easy removal for cleaning

Safe

- · Motor with thermal cut-off fuse prevents fire induced by overheat
- Metallic structure within air stream provides extra safety against fire*

Durable

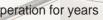
- · Painted steel frame enhances anti-rust capability
- · HP (Half Pitch) motor and ball bearing enable continuous operation for years

* Metallic structure can reduce the fire risk spread to other area from the affected compartment through the ducting.



Metal

Motor



Super Quiet Series





17CUH

- HP (half pitch) motor with ball bearing
- Taper blade sirocco fan
- Curve-shaped backdraff shutter
- Super low noise level
- Motor insulation Class B







- Ia
- Cu
- Su
- Motor insulation Class B



Panasonic Electric Works Vietnam Co., Ltd. certifies that the Super Quiet 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.



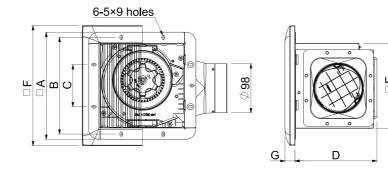
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	Voltage	Frequency		CFM / SO	NE AT STATIC	Pressure (ps-i	nches of H ₂ O)				
Model	[V]	[Hz]	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	RPM	Watts*	Watts**
	000		CFM	83	73	68	46	-	505	10	40.5
0401111	220	60	Sones	0.4	0.5	0.6	1.3	-	585	13	13.5
24CUH		50	CFM	89	77	75	51	-	~ / /	10	10
	240	50	Sones	0.5	0.7	0.7	1.4	-	614	13	12
0.00011			CFM	106	93	89	65	-			10 -
24CDH	H 240	50	Sones	0.9	0.9	0.9	1.6	-	782	17	16.5
			CFM	109	99	96	75	48			
0401111	220	60	Sones	1.0	0.9	1.0	1.3	2.2	791	22	20.5
24CHH			CFM	117	109	96	73	33			10 5
	240	50	Sones	1.2	1.2	1.2	1.3	1.8	861	21	19.5
			CFM	121	113	111	97	77			
040011	220	60	Sones	1.7	1.8	1.8	2.0	2.6	888	27	26.5
24CGH	0.40	50	CFM	130	118	115	90	43	055	07	05.5
	240	50	Sones	2.1	1.9	1.8	1.9	2.5	955	27	25.5

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: Free inlet hemispherical sone levels. * the Watts rating is 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 Rating Seal does not apply to IEC test method watts.



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Unit: mm

							•
Α	В	С	D	Е	F	G	Duct Size
214	194	84	164	170	240	20	Ø100

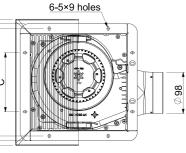
	Voltage	Frequency		CFM / SONE AT STA	ATIC Pressure (ps-inche	s of H ₂ O)		14/	101-11-24
Model	[V]	[Hz]	Inches of H ₂ O	0	0.1	0.125	RPM	Watts*	Watts**
	000	<u></u>	CFM	44	32	29	004	40	40
17CUH	220	60	Sones	0.3	0.5	0.6	664	10	10
17006	0.40	50	CFM	51	43	40	700	40	0.5
	240	50	Sones	0.3	0.4	0.5	728	10	9.5

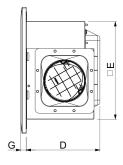
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** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.

24CUH/24CDH/24CHH/24CGH

- HP (half pitch) motor with ball bearing
- Taper blade sirocco fan
- Curve-shaped backdraff shutter
- Super low noise level





Unit: mm

	В	С	D	Е	F	G	Duct Size
3	255	140	175	233	300	13	Ø100

Super Quiet Series



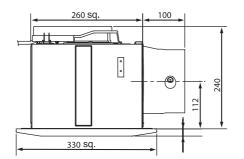


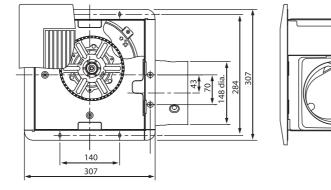


- Super low noise design
- · Long life ball bearing motor
- Taper blade sirocco fan
- Resonance-Noise-Absorption Structure
- Pre-installed power cord
- 2-speed selectable



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	Voltage	Frequency	Speed		CFM / SO	NE AT STA	TIC Pressu	ure (ps-incl	nes of H ₂ O))		14/	
Model	[V]	[Hz]	Speed	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	RPM	Watts*	Watts**
	000	<u> </u>		CFM	182	162	156	118	78	37	570	00	
27CHH	220	60	Hi	Sones	1.1	1.2	1.3	1.7	2.2	2.5	570	33	33
27000	240	50	116	CFM	198	179	172	126	78	18	600	07	24
	240	50	Hi	Sones	1.4	1.5	1.6	1.8	2.3	2.5	609	37	34

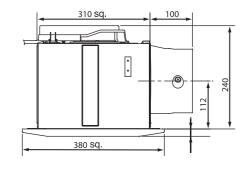
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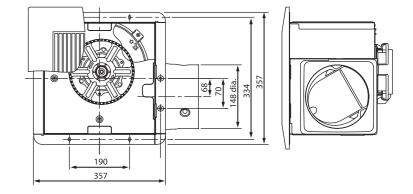
** the Watts rating is only for IEC test method and the AMCA Certified Rating Seal does not apply to IEC test method watts.





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	Voltage	Frequency	Speed		CFM / S	ONE AT S		ressure (j	os-inches	of H ₂ O)				
Model	[V]	[Hz]	Speed	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	RPM	Watts*	Watts**
	000	<u></u>		CFM	226	202	196	163	127	91	53	500	40	40
32CDH	220	60	Hi	Sones	1.2	1.3	1.4	1.7	2.2	2.7	3.3	580	48	48
32CDH	0.40	50		CFM	257	236	230	192	147	99	53	075	50	50
	240	50	Hi	Sones	1.6	1.7	1.8	1.9	2.5	3.0	3.6	675	56	50

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: Free inlet hemispherical sone levels. * the Watts rating is 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 Rating Seal does not apply to IEC test method watts.

32CDH

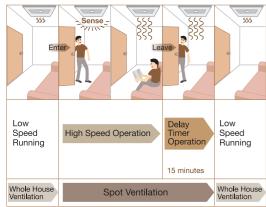
- Super low noise design
- Long life ball bearing motor
- Taper blade sirocco fan
- Resonance-Noise-Absorption Structure
- Pre-installed power cord
- 2-speed selectable

DC Motor Series



SOUND

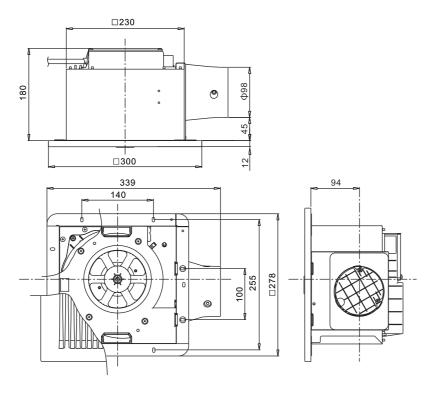
Panasonic Ecology Systems Guangdong Co., Ltd. certifies that the DC Motor models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA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



The operation is activated by motion sensor.

24JRB

- DC (Direct Current) motor
- Auto operation by motion sensor
- Constant airflow
- Variable air volume
- Delay timer (15 minutes)
- Resonance-Noise-Absorption Structure



	Voltage	Frequency	Speed		CFM	/ SONE AT	STATIC P	ressure (p	s-inches o	f H₂O)				141
Model	[V]	[Hz]	Speed	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	RPM	watts [*]	Watts**
	000			CFM	88	88	88	88	63	34	5			
24JRB	220	60	Hi	Sones	0.7	1.0	1.0	1.3	1.7	1.8	3.1	050	10	0
24JKD	240	50		CFM	88	88	88	88	63	34	5	853	10	8
	240	50	Hi	Sones	0.7	1.0	1.0	1.3	1.7	1.8	3.1			

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: 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.

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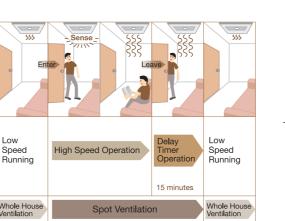


DC Motor Series



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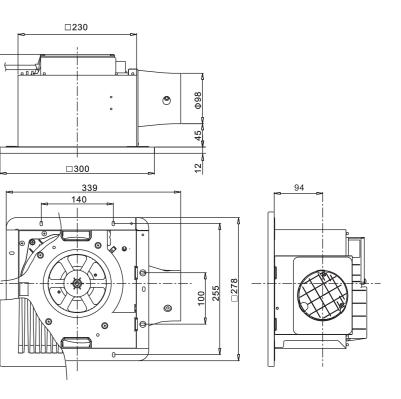
The operation is activated by motion sensor.

	Voltage	Frequency	Speed		CFM	/ SONE AT	STATIC P	ressure (p	s-inches of	f Η ₂ Ο)				
Model	[V]	[Hz]	Speed	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	RPM	watts^	Watts**
				CFM	88	88	88	88	63	34	5			
04140	220	60	Hi	Sones	0.6	0.9	1.0	1.4	1.6	1.9	3.2		4.0	
24JAB	0.40	50		CFM	88	88	88	88	63	34	5	839	10	8
	240	50	Hi	Sones	0.6	0.9	1.0	1.4	1.6	1.9	3.2			

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: 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.



- DC (Direct Current) motor
- Constant airflow
- Variable air volume
- Delay timer (15 minutes)
- Resonance-Noise-Absorption Structure



Metal Series

Metal Series



24CMUA/24CMHA

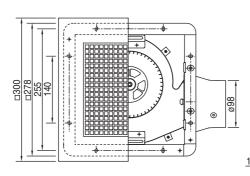
- All metal structure design
- · Long life ball bearing motor
- · Metallic components within air stream provides extra safety against fire
- Reverse flow prevention shutter

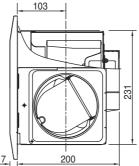






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	Voltage	Frequency		CFM / SONE	AT STATIC	Pressure (ps-	-inches of H ₂	0)		W	101 - 11 - 44
Model	[V]	[Hz]	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	RPM	Watts*	Watts**
	000	<u></u>	CFM	55	40	37	20		405	40	40
2401414	220	60	Sones	0.3	0.7	0.8	1.6		495	13	12
24CMUA	0.40	50	CFM	55	44	41	24		500		10
	240	50	Sones	0.3	0.8	1.0	1.4]	562	14	13
	000	<u></u>	CFM	94	85	83	72	54	004	05	00
24CMHA	220	60	Sones	1.0	1.4	1.5	1.9	2.3	681	25	23
240MHA	0.40	50	CFM	108	98	95	77	44	750	07	0.5
	240	50	Sones	1.4	1.8	1.9	2.1	2.2	753	27	25

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: 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.

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	Voltage	Frequency		CFM / SOM	NE AT STA	TIC Pressu	re (ps-incl	nes of H ₂ O)				
Model	[V]	[Hz]	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	RPM	Watts*	Watts**
	000		CFM	208	184	178	144	108	79	615	46	43
27CMHA	220	60	Sones	1.6	1.7	1.7	2.3	3.2	3.5	015	40	43
27CIVITA	0.40	50	CFM	219	194	188	150	110	70	669	46	43
	240	50	Sones	1.9	1.9	2.0	2.4	3.4	3.1	009	40	43

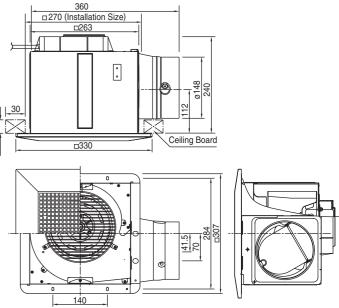
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27CMHA

All metal structure design



- Long life ball bearing motor · Metallic components within air stream provides
- extra safety against fire
- Reverse flow prevention shutter



Standard Series

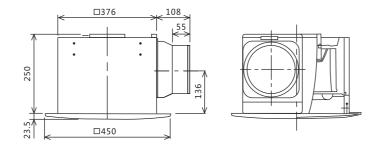


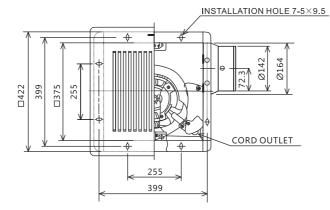
38CDG/38CDG 05

- High-Low speed selectable
- Condenser motor with thermal cut-off
- Well lubricated bearing for long life operation
- High performance sirocco fan



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	Voltage	Frequency	Speed		CF	M / SON	E AT ST	ATIC Pre	essure (p	s-inche	s of H ₂ O)				
Model	[V]	[Hz]	Speed	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875	RPM	Watts*	Watts**
20000	000	<u></u>		CFM	344	323	317	290	261	230	197	163	126	000	00	
38CDG	220	60	Hi	Sones	3.1	3.2	3.2	3.3	3.6	4.1	4.5	5.7	5.7	626	98	98
38CDG 05	0.40	50		CFM	387	367	362	336	305	259	212	165	108	707	440	404
38CDG	240	50	Hi	Sones	4.0	4.1	4.2	4.3	4.4	4.7	5.3	5.7	6.2	737	118	104

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: Free inlet hemispherical sone levels. * the Watts rating is only for AMCA test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

Specification

		Voltago	Frequency			(CFM / SC	ONE AT S	STATIC I	Pressure	(ps-inc	hes of H	,0)				
Series	Model	[V]	[Hz]	Speed	Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875	RPM	Watts*	Watts**
					CFM	44	32	29	-	-	-	-	-	-			
		220	60	-	Sones	0.3	0.5	0.6	-	-	-	-	-	-	664	10	10
	17CUH		= 0		CFM	51	43	40	-	-	-	-	-	-			
		240	50	-	Sones	0.3	0.4	0.5	-	-	-	-	-	-	728	10	9.5
		000			CFM	83	73	68	46	-	-	-	-	-	505	10	10.5
		220	60	-	Sones	0.4	0.5	0.6	1.3	-	-	-	-	-	585	13	13.5
	24CUH	0.40	50		CFM	89	77	75	51	-	-	-	-	-	014	40	40
		240	50	-	Sones	0.5	0.7	0.7	1.4	-	-	-	-	-	614	13	12
	040011	240	50	_	CFM	106	93	89	65	-	-	-	-	-	782	17	16.5
	24CDH	240	50	-	Sones	0.9	0.9	0.9	1.6	-	-	-	-	-	782	17	10.5
		220	60		CFM	109	99	96	75	48	-	-	-	-	791	22	20.5
Super Quiet	24CHH	220	60	-	Sones	1.0	0.9	1.0	1.3	2.2	-	-	-	-	791	22	20.5
Series	24000	240	50		CFM	117	109	96	73	33	-	-	-	-	861	21	19.5
		240	50	-	Sones	1.2	1.2	1.2	1.3	1.8	-	-	-	-	001	21	19.5
		220	60	_	CFM	121	113	111	97	77	-	-	-	-	888	27	26.5
	24CGH	220	00		Sones	1.7	1.8	1.8	2.0	2.6	-	-	-	-	000	21	20.5
	240011	240	50		CFM	130	118	115	90	43	-	-	-	-	955	27	25.5
		240			Sones	2.1	1.9	1.8	1.9	2.5	-	-	-	-	500	21	20.0
		220	60	Hi	CFM	182	162	156	118	78	37	-	-	-	570	33	33
	27CHH	LLU			Sones	1.1	1.2	1.3	1.7	2.2	2.5	-	-	-	0/0	00	00
	270111	240	50	Hi	CFM	198	179	172	126	78	18	-	-	-	609	37	34
		2.0			Sones	1.4	1.5	1.6	1.8	2.3	2.5	-	-	-	000	0.	
		220	60	Hi	CFM	226	202	196	163	127	91	53	-	-	580	48	48
	32CDH				Sones	1.2	1.3	1.4	1.7	2.2	2.7	3.3	-	-			
	32CDH2	240	50	Hi	CFM	257	236	230	192	147	99	53	-	-	675	56	50
		2.0			Sones	1.6	1.7	1.8	1.9	2.5	3.0	3.6	-	-			

Performance certified is for installation type B: Free inlet, Ducted outlet. Performance ratings include the effects of an inlet grille and backdraft shutter. Speed (RPM) shown is nominal. Performance is based on actual speed of test. 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 B: Free inlet hemispherical sone levels. * the Watts rating is 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 Rating Seal does not apply to IEC test method watts.

Specification

Note

Series	Model	Voltage	Frequency [Hz]	Speed	CFM / SONE AT STATIC Pressure (ps-inches of H ₂ O)											M	1
		[V]			Inches of H ₂ O	0	0.1	0.125	0.25	0.375	0.5	0.625	0.75	0.875	RPM	Watts*	Watts**
DC Motor Series	24JRB	220	60	Hi	CFM	88	88	88	88	63	34	5	-	-	853	10	8
					Sones	0.7	1.0	1.0	1.3	1.7	1.8	3.1	-	-			
		240	50	Hi	CFM	88	88	88	88	63	34	5	-	-			
					Sones	0.7	1.0	1.0	1.3	1.7	1.8	3.1	-	-			
	24JAB	220	60	Hi	CFM	88	88	88	88	63	34	5	-	-	839	10	8
					Sones	0.6	0.9	1.0	1.4	1.6	1.9	3.2	-	-			
		240	50	Hi	CFM	88	88	88	88	63	34	5	-	-			
					Sones	0.6	0.9	1.0	1.4	1.6	1.9	3.2	-	-			
Metal Series	24CMUA	220	60	-	CFM	55	40	37	20	-	-	-	-	-	495	13	12
					Sones	0.3	0.7	0.8	1.6	-	-	-	-	-			
		240	50	-	CFM	55	44	41	24	-	-	-	-	-	562	14	13
					Sones	0.3	0.8	1.0	1.4	-	-	-	-	-			
	24CMHA	220	60	-	CFM	94	85	83	72	54	-	-	-	-	681	25	23
					Sones	1.0	1.4	1.5	1.9	2.3	-	-	-	-			
		240	50	-	CFM	108	98	95	77	44	-	-	-	-	753	27	25
					Sones	1.4	1.8	1.9	2.1	2.2	-	-	-	-			
	27CMHA	220	60	-	CFM	208	184	178	144	108	79	-	-	-	615	46	43
					Sones	1.6	1.7	1.7	2.3	3.2	3.5	-	-	-			
		240	50	-	CFM	219	194	188	150	110	70	-	-	-	669	46	43
					Sones	1.9	1.9	2.0	2.4	3.4	3.1	-	-	-			
Standard Series	38CDG	220	60	Hi	CFM	344	323	317	290	261	230	197	163	126	626	98	98
					Sones	3.1	3.2	3.2	3.3	3.6	4.1	4.5	5.7	5.7			
	38CDG 05 38CDG	240	50	Hi	CFM	387	367	362	336	305	259	212	165	108	737	118	107
					Sones	4.0	4.1	4.2	4.3	4.4	4.7	5.3	5.7	6.2			

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