

DOUBLE SKIN MODULAR AIR HANDLING UNIT

Round Edge (ADM-AHU)



AIR HANDLING UNIT

Acson Double Skin Modular Air Handling Unit is designed based on a modular concept, making it suitable for breaking down into multiple sections and assemble on site. It also have a wide range of air flow rate for up for selection, ranges from 700 up to 52622 CFM. While the total static pressure can go up to 2000 Pa (8" W.G.). High strength extruded aluminum is use to optimize strength to weight ratio, now comes with round edge for thermal break profile. Our double skin comes in 2 options, 25mm or 50mm thickness.



Model: ADM 0404 - 2539

Cooling Capacity: 1,369 - 52,622

Refrigerant: R22, R410A & Chilled Water

Common Features

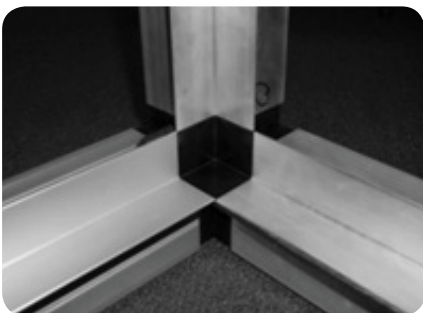
Eurovent Certification

Acson Air Handling Unit 50mm panel model is Eurovent certified. Eurovent Certification certifies the performance ratings of airconditioning and refrigeration products according to European and international standards. The Certification Mark guarantees that the products have been submitted to independent checking and that they have been accurately rated.



Casing / Cabinet Construction

Acson Air Handling Unit is designed in accordance BS EN 1886. It is constructed of maximum 2.0mm high strength extruded aluminium pentapost and internal post with double modular skin insulation material. The patented frame channel design allows three identical pieces to be bolted together to form a composite corner piece. The unit wall is made up by Double Skin Polyurethane foam (PU) 25mm or 50mm insulation panel with 0.5mm high strength pre-painted steel as external skin and 0.5mm galvanized steel (GI) as internal skin.

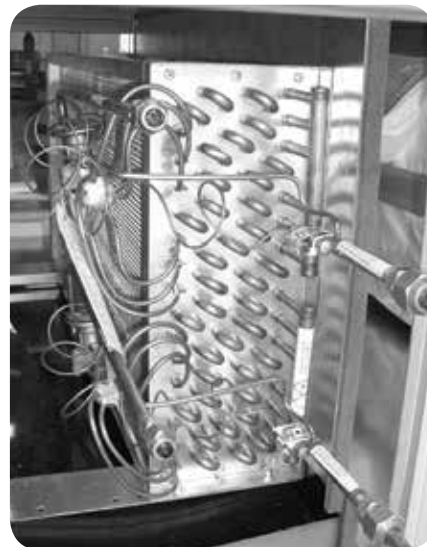


A Complete Line Of Accessories For Maximum Flexibility

With the modular paneling concept design, each unit can be configured to help you make the best possible use of your available space. Depending on its length, each shipping section can accommodate one, two, three or more components such as dampers, coils, filters or other accessories, giving you the opportunity to select a very compact unit that makes the most out of limited space. Or, if space is not at a premium, you can create a large clearance between components for a better accessibility during maintenance. All ADM Air Handling Units are designed from computer selection to help assure maximum performance from coils and fans.

Coil

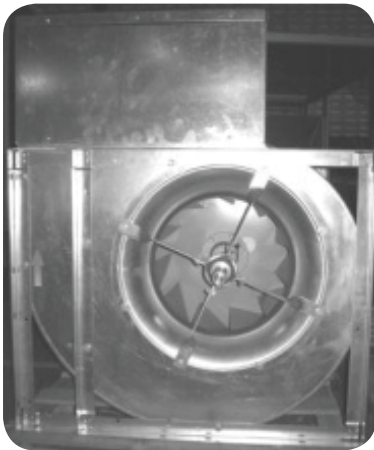
Acson Air Handling Unit can be used for either chilled water system or direct expansion system application. Coils are designed based on application to meet the requirements.



Common Features

Fan

Each model of ADM Air Handling Unit has forward curved, backward curved & aerofoil fans for selection. With that, it will have the most wide range combination to achieve maximum performance for any requirement. Fan performance of all these fans have been tested and measured in accordance to AMCA standard 210.



Spring Or Rubber Isolator

“The fan in a AHU can create substantial vibration that will transform to panels / casing and consequent widespread generation of sound waves. To avoid this, the spring or rubber isolator is mounted between the fan compartment and the rest of the AHU to prevent the transmission of noise and vibration into panels.

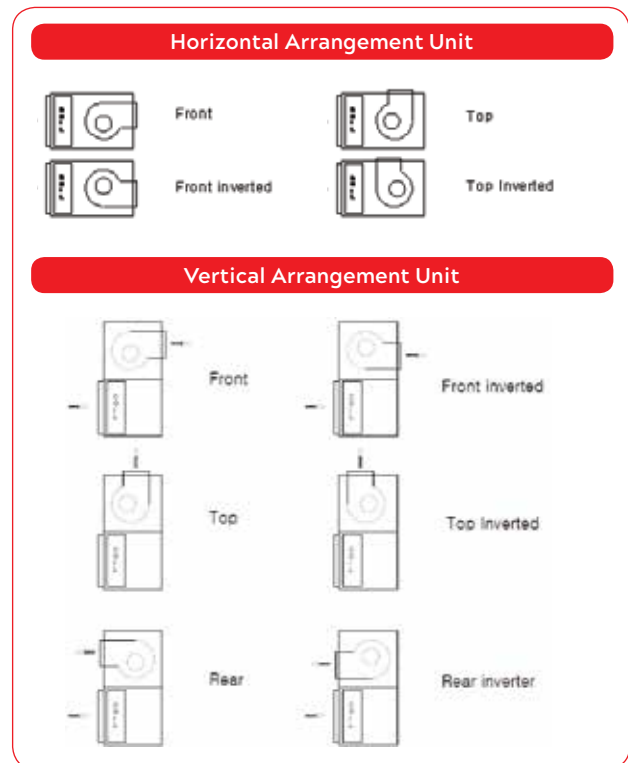
There are two types of isolators are used:

- Rubber mounting (for blower <= model 355)
- 25mm deflection spring (for blower > model 355)”



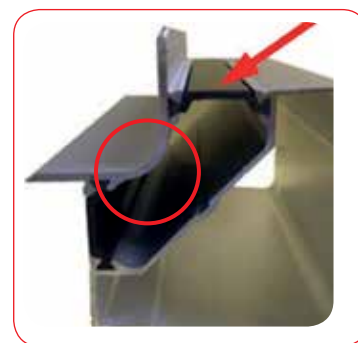
Discharge Direction

These are two discharges direction: vertical and horizontal discharge. The fan discharge should be square (for both forward or backward curved fans) in area and flanged and isolated from the casing by the fire retardant grade flexible connection. Only one fan discharge is provided.



Round Edge Profile

The latest improvement on the internal profile from square to round will make cleaning the internal compartment much easier.



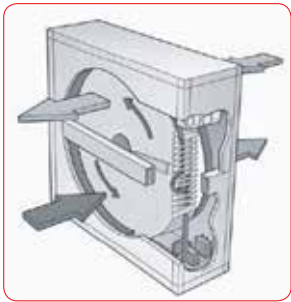
Optional Add Ons

VFD/ Frequency Inverter

A VFD provides adjustable speed control of a single fan motor. Normally, an AHU which has been installed by VFD can vary the frequency within 30 to 60 Hz in order to control the motor rotation speed. It also provides protection for the motor operation.

Heat Recovery Wheel

It is constructed of aluminium coated with heat transfer material (silica gel or others) which is rotated by an electric motor at constant or variable speed. It can reduce the capacity of ventilation equipment. Furthermore, heat wheels can work at lower temperature without frosting occurs. The benefit includes recover both latent and sensible heat by allowing reduction in system capacity about 30 to 65%. The most significant benefit is to prevent sick building syndrome.



Humidifier

It is a device which is used to increase the air relative humidity in atmosphere without steam source. It is a constant temperature humidifier. Its principle is the common electrode humidifier regulates the generated steam by the way of controlling water level and electrical current.

Electrical Heater

It is used to achieve desired room condition at certain desired relative humidity. With negligible air pressure drop, accurate controllability, light weight, easy serviceability and inherent freeze protection, electrical heater is valuable alternatives to conventional steam and hot water heating coils.

Peace of Mind Service

With nationwide service points, there must be one around you to provide fast and reliable service when assistance is needed.



* Please refer to our warranty policy

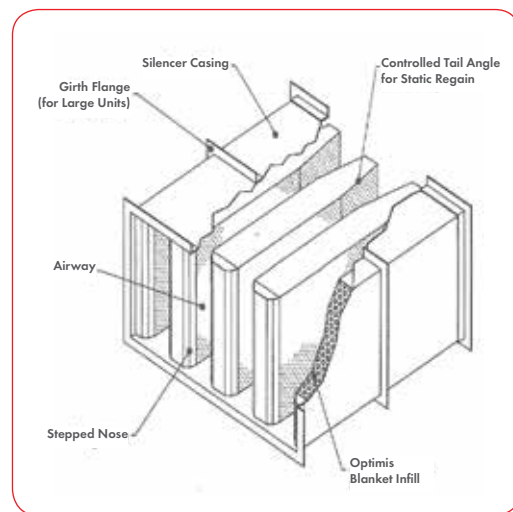
Mixing Box

It is an air inlet section to mix fresh and return air according to the system designer's requirement. It can regulate the amount of outside and return air supplied to the conditioned space.



Sound Attenuator

Sound level will be an essential factor to be considered as one of the performance of units. Acson product has been designing to provide the lowest sound level. Different attenuator length can be selected to meet the most stringent sound attenuation requirements. A comfortable surrounding enhances human's working and living life.



Other optional accessories like UV Light, Differential Pressure Gauge, Incandescent Lamp & View Port are available upon request.

EC FAN ELECTRONICALLY COMMUTATED FAN

Acson is proud to announce that our Air Handling Unit now is able to be fitted with Electronically Commutated Plug Fan (EC Plug Fan). It boasts better efficiency (higher than IE4), lower noise emission, compact yet robust and much more. Now it is up for selection for model with total static pressure of 1800 Pa and below.



Basic AHU Information

- AHU Modular Concept Design
- Model Range - DM1 (1"), DM2 (2") and DM2TB (2")
- Standard Model Range : 1 to 22m³/s
- Air Volume Range : 1 to 22m³/s
- Total Static Pressure Up to 1800 Pa



Technology Features

- Unrivalled Compactness
- High Efficiency
- Robust Design
- Economical Operation
- Low Noise Emissions
- Low Vibration Level
- Long Service Life
- Reliable Operation



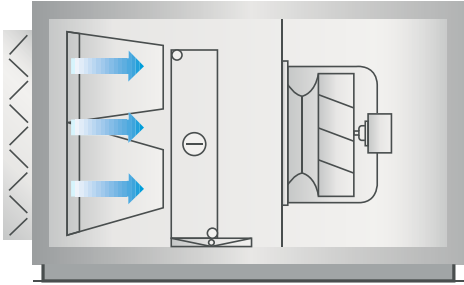
Savings

- Save on Space - Smaller AHU size
- Save on Components - Inverter, Sine Filter, Premium Motor, Shielded Cable, Motor Protection
- Save on Cost - Installation & Maintenance Cost

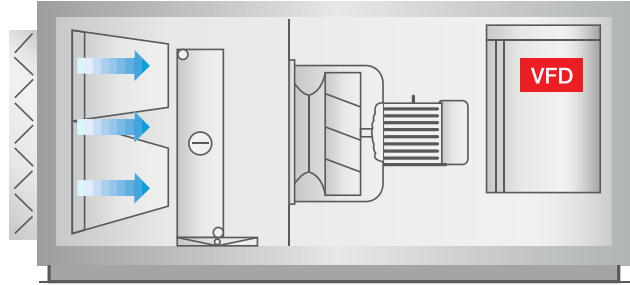


Solutions To Your Fan Woes

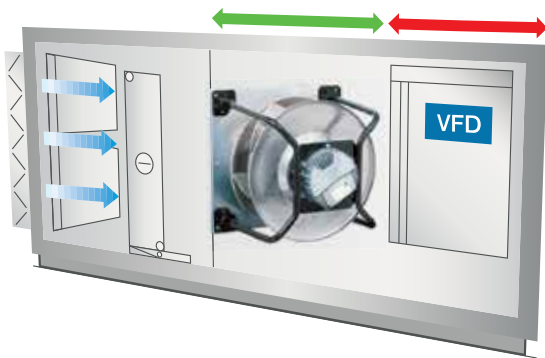
EC Fan (Our Solution)



Fan+Motor+VFD (Conventional Fan Solution)

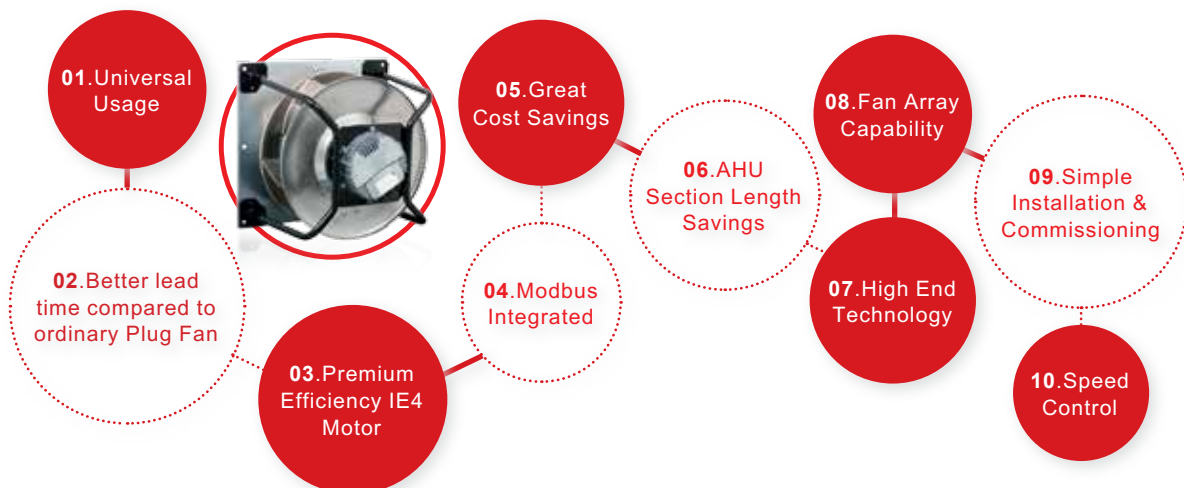


Why EC Fan?

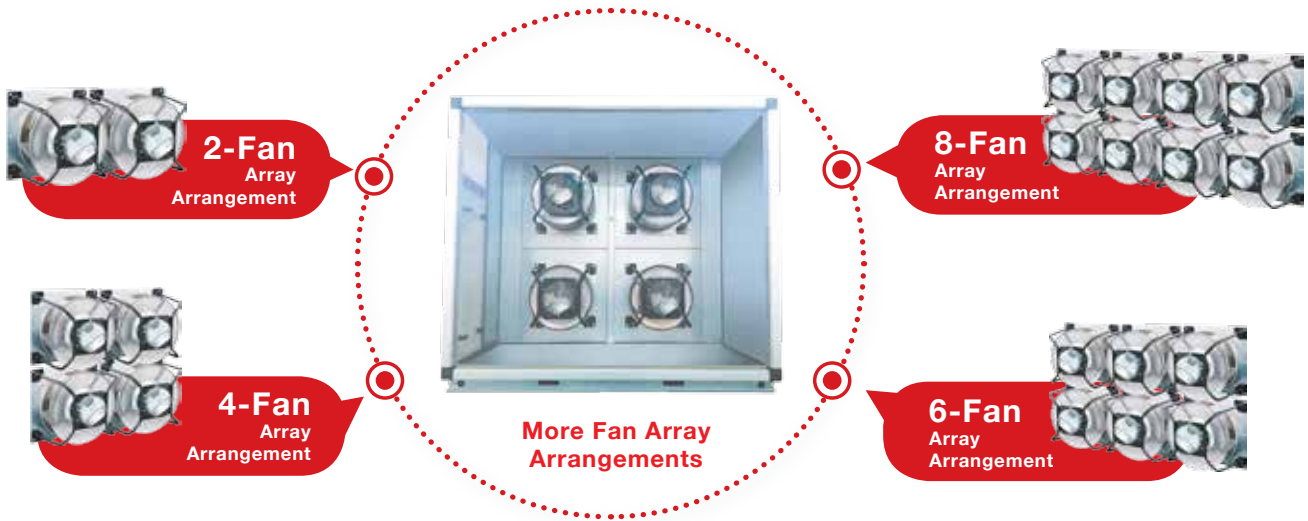


- ✓ Save on Installation Cost
- ✓ Save on Space
- ✓ Save on Components
 - No Inverter
 - No Sine Filter
 - No Premium Motor
 - No Shielded Cable
 - No Motor Protection

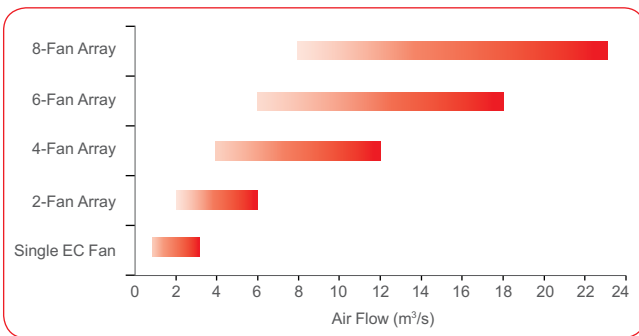
Benefits of Using Acson EC Solution



Fan Array



Specifications

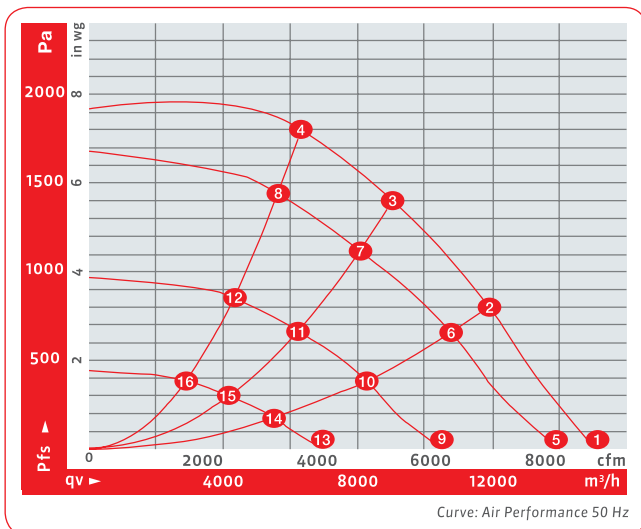


Rated at static Pressure 1200 Pa

Fan Array Air Flow Range

	Air Flow Range (m³/s)
Single EC Fan	0.93 - 2.85
2-Fan Array	1.86 - 5.70
4-Fan Array	3.72 - 11.40
6-Fan Array	5.58 - 17.10
8-Fan Array	7.44 - 22.80

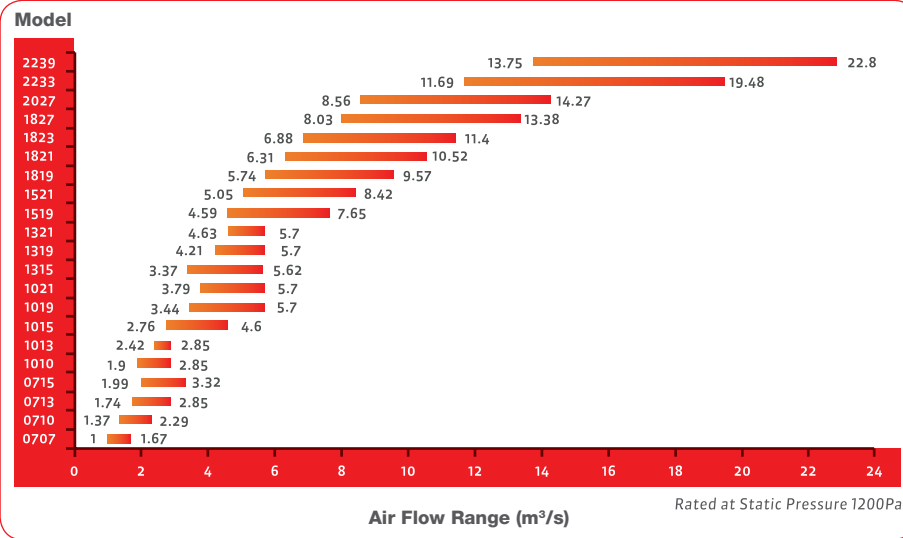
Selected EC Fan (K3G450PB2401)



Air Flow Range

AHU Model	Fan QTY	Air Flow Range (m³/s)	Rate Air Flow (m³/s)	Input Power (W)		Watts / CMH	
				@500Pa	@1200Pa	@500Pa	@1200Pa
0707	1	1.00 - 1.67	1.34	1064	2642	0.22	0.55
0710	1	1.37 - 2.29	1.83	1477	3326	0.22	0.50
0713	1	1.74 - 2.85	2.30	1933	4118	0.23	0.50
0715	2	1.99 - 3.32	2.66	2120	5264	0.22	0.55
1010	1	1.90 - 2.85	2.38	2036	4294	0.24	0.50
1013	1	2.42 - 2.85	2.64	2381	4811	0.25	0.51
1015	2	2.76 - 4.60	3.68	2970	6680	0.22	0.50
1019	2	3.44 - 5.70	4.57	3840	8192	0.23	0.50
1021	2	3.79 - 5.70	4.75	4068	8580	0.24	0.50
1315	2	3.37 - 5.62	4.50	3744	8034	0.23	0.50
1319	2	4.21 - 5.70	4.96	4342	9024	0.24	0.51
1321	2	4.63 - 5.70	5.17	4622	9422	0.25	0.51
1519	4	4.59 - 7.65	6.12	4940	11636	0.22	0.53
1521	4	5.05 - 8.42	6.74	5448	12464	0.22	0.51
1819	4	5.74 - 9.57	7.66	6192	13804	0.22	0.50
1821	4	6.31 - 10.52	8.42	6812	14980	0.22	0.49
1823	4	6.88 - 11.40	9.14	7680	16384	0.23	0.50
1827	6	8.03 - 13.38	10.71	8640	19554	0.22	0.51
2027	6	8.56 - 14.27	11.42	9228	20604	0.22	0.50
2333	8	11.69 - 19.48	15.59	12624	28016	0.23	0.50
2239	8	13.75 - 22.8	18.275	15352	32752	0.233	0.498

AHU Specifications







Nominal Data

Phase		3~
Nominal Voltage	VAC	400
Nominal Voltage Range	VAC	380 ~ 480
Frequency	Hz	50/60
Method of Obtaining Data		ml
Speed	min ⁻¹	2600
Power Consumption	W	5250
Current Draw	A	8
Min. Ambient Temperature	°C	-25
Max. Ambient Temperature	°C	40

Control Basic

- EC Fan - Built in controller with Modbus integrated
- Able to couple with differential pressure controller only to achieve constant air volume control. The system is self-adjusting to adapt to interference factors like filter pollution

Specifications

Primary Filter	Secondary Filter	Secondary Filter	HEPA Filter
			
AmAir 300E	DriPak® 2000	BioCel® I	AstroCel® I

Quick Air Filter Selection Guide

Classification as per EN 779

EN 779 Class	G1	G2	G3	G4
Average Arrestance, Am%	Am < 65	65 ≤ Am ≤ 80	80 ≤ Am ≤ 90	90 ≤ Am
Recommended Filter	-	Amer Tex R15	Amer Tex R29	AmAir 300 Amer Tex R15

Table 1: Filter Arrestance for Coarse filters in Class G1-G2

EN 779 Class	F5	F6	F7	F8	F9
Average Efficiency, Em%	40 ≤ Em ≤ 60	60 ≤ Em ≤ 80	80 ≤ Em ≤ 90	90 ≤ Em ≤ 95	90 ≤ Em
Recommended Filter	-	-	DriPal® 2000 Varicel® II	DriPal® 2000 Varicel® II	BioCel® I

Table 2: Filter Arrestance for Coarse filters in Class F5-F9

Classification as per EN 1822

EN 1822 Class	H10	H11	H12	H13	H14
Efficiency (% at 0.3 μm)	> 95	> 98	> 99.99	> 99.997	> 99.999
Efficiency (% at MPPS)	> 85	> 95	> 99.5	> 99.95	> 99.995
Recommended Filter	BioCel® I	BioCel® I	-	AstroCel® I	-

Table 3: Filter Efficiency for HEPA Filters Class H10-H14

Standard Units Quick Selection Table

a. Return Air

Unit Size	Air Flow	ESP	4-ROWS COOLING COIL						1-ROWS HEATING COIL				Motor kW
			S.C	T.C.C	Off Coil (°C)	Water flow	WPD	Circuit	T.C	Off Coil (°C)	Water flow	WPD	
	CFM	Pa	kW	kW	Dry / Wet	lps	kPa		kW	Dry / Wet	lps	kPa	
0404	1369	500	7.94	8.66	16.40 / 15.65	0.43	0.81	S	4.75	27.70 / 18.33	0.13	0.1	1.5
0407	2176	500	13.69	16.64	15.51 / 14.78	0.83	3.19	S	8.92	28.92 / 18.73	0.24	0.38	2.2
0410	2983	500	19.70	25.30	14.94 / 14.23	1.27	7.86	S	13.17	29.53 / 18.93	0.36	0.9	3.0
0413	3791	500	25.74	33.99	14.59 / 13.89	1.70	15.06	S	17.32	29.84 / 19.03	0.47	1.71	4.0
0707	3539	500	22.26	27.06	15.51 / 14.78	1.36	5.94	S	14.5	28.92 / 18.73	0.39	0.6	3
0710	4850	500	32.03	41.13	14.94 / 14.22	2.06	14.2	S	21.4	29.53 / 18.93	0.58	1.39	5.5
0713	6162	500	41.85	55.25	14.60 / 13.89	2.77	26.5	S	28.16	29.84 / 19.03	0.76	2.55	5.5
0715	7037	500	48.37	64.57	14.45 / 13.75	3.24	36.98	S	33.27	30.14 / 19.13	0.9	3.68	7.5
1010	6715	500	44.35	56.95	14.94 / 14.22	2.86	23.55	S	29.63	29.53 / 18.93	0.8	2.14	7.5
1013	8531	500	57.93	76.5	14.60 / 13.89	3.84	43.38	S	38.99	29.84 / 19.03	1.06	3.84	7.5
1015	9743	500	66.96	89.4	14.45 / 13.75	4.48	14.47	S	46.06	30.14 / 19.13	1.25	5.47	11
1019	12164	500	85.58	116.69	14.15 / 13.46	5.85	27.17	S	59.43	30.45 / 19.22	1.61	9.5	11
1021	13374	500	94.89	130.16	14.04 / 13.36	6.53	35.34	S	65.34	30.45 / 19.22	1.77	11.72	11
1315	11906	500	81.83	109.25	14.45 / 13.75	5.48	29.83	S	56.29	30.14 / 19.13	1.53	3.12	11
1319	14866	500	104.58	142.61	14.15 / 13.46	7.15	53.34	S	72.63	30.45 / 19.22	1.97	5.58	15
1321	16347	500	115.98	159.09	14.04 / 13.36	7.98	33.59	S	79.87	30.45 / 19.22	2.17	6.99	15
1519	16218	500	114.1	155.58	14.15 / 13.46	7.8	25.92	S	79.23	30.45 / 19.22	2.15	6.02	15
1521	17832	500	126.52	173.54	14.04 / 13.36	8.7	33.78	S	87.12	30.45 / 19.22	2.37	7.52	15
1819	20273	500	142.63	194.48	14.15 / 13.46	9.75	26.48	S	99.05	30.45 / 19.22	2.69	7.59	18.5
1821	22291	500	158.15	216.93	14.04 / 13.36	10.88	34.48	S	108.9	30.45 / 19.22	2.96	9.41	18.5
1823	24310	500	172.45	236.58	14.04 / 13.36	11.86	42.94	S	120.68	30.60 / 19.27	3.28	11.82	22
1827	28346	500	192.48	254.19	14.60 / 13.89	12.75	12.69	D	142.96	30.75 / 19.32	3.88	17.33	22
2027	30236	500	205.31	271.14	14.60 / 13.89	13.59	13.42	D	152.49	30.75 / 19.32	4.14	18.58	30
2033	36657	500	252.91	338.9	14.40 / 13.70	16.99	22.39	D	187.75	30.90 / 19.37	5.1	29.79	30
2035	38845	500	269.1	361.84	14.35 / 13.66	18.14	26.04	D	202.03	31.05 / 19.42	5.49	35.04	30
2039	42979	500	302.5	412.3	14.14 / 13.46	20.67	35.06	D	223.53	31.05 / 19.42	6.07	44.41	37
2233	41280	500	284.78	381.65	14.40 / 13.70	19.14	24.95	D	211.44	30.90 / 19.37	5.74	34	37
2239	48522												
2539	52548	500	341.39	465.47	14.15 / 13.46	23.34	39.03	D	252.35	31.05 / 19.42	6.85	50.61	37

Rated Condition:

For Cooling Coil: EDB = 27 deg.C, EWB = 19.5 deg.C, EWT = 7 deg.C, LWT = 12 deg.C

For Heating Coil: EDB = 21 deg.C, EWT = 60 deg.C, LWT = 50 deg.C

Standard Units Quick Selection Table

b. Fresh Air

Unit Size	Air Flow	ESP	4-ROWS COOLING COIL						1-ROWS HEATING COIL				Motor kW
			S.C	T.C.C	Off Coil (°C)	Water flow	WPD	Circuit	T.C	Off Coil (°C)	Water flow	WPD	
			kW	kW	Dry / Wet	lps	kPa		kW	Dry / Wet	lps	kPa	
0404	1369	500	10.77	23.64	20.01 / 19.71	1.19	5.31	S	8.96	12.66 / 2.55	0.24	0.31	1.5
0407	2176	500	18.9	43.12	18.45 / 18.21	2.16	18.83	S	16.09	14.30 / 3.45	0.44	1.11	2.2
0410	2983	500	27.06	62.5	17.72 / 17.52	3.13	42.07	S	23.15	15.00 / 3.83	0.63	2.52	3.0
0413	3791	500	32.23	72.97	18.80 / 18.56	3.66	36.5	D	30.33	15.47 / 4.08	0.82	4.68	4.0
0707	3539	500	30.73	70.12	18.45 / 18.21	3.52	37.28	S	26.17	14.30 / 3.45	0.71	1.84	3
0710	4850	500	39.04	86.5	19.66 / 19.38	4.34	47.19	D	37.63	15.00 / 3.83	1.02	4.02	5.5
0713	6162	500	52.38	118.62	18.80 / 18.56	5.95	89.22	D	49.3	15.47 / 4.08	1.34	7.27	5.5
0715	7037	500	61.12	139.45	18.45 / 18.21	6.99	123.75	D	57.16	15.70 / 4.20	1.55	10.09	7.5
1010	6715	500	54.05	119.76	19.66 / 19.38	6	88.54	D	52.1	15.00 / 3.83	1.41	6.32	7.5
1013	8531	500	72.52	164.22	18.80 / 18.56	8.23	166.97	D	68.26	15.47 / 4.08	1.85	11.22	7.5
1015	9743	500	84.62	193.07	18.45 / 18.21	9.68	18.82	D	79.13	15.70 / 4.20	2.15	15.39	11
1019	12164	500	109.12	251.4	17.91 / 17.70	12.6	33.39	D	100.28	15.94 / 4.33	2.72	25.69	11
1021	13374	500	121.3	280.19	17.72 / 17.52	14.05	42.36	D	111.88	16.17 / 4.45	3.04	32.54	11
1315	11906	500	103.42	235.94	18.45 / 18.21	11.83	90.42	D	96.71	15.70 / 4.20	2.63	8.44	11
1319	14866	500	133.35	307.23	17.91 / 17.70	15.4	154.78	D	122.55	15.94 / 4.33	3.33	14.54	15
1321	16347	500	148.26	342.46	17.72 / 17.52	17.17	26.13	D	136.74	16.17 / 4.45	3.71	18.66	15
1519	16218	500	145.48	335.17	17.91 / 17.70	16.81	21.79	D	133.7	15.94 / 4.33	3.63	15.8	15
1521	17832	500	161.73	373.58	17.72 / 17.52	18.73	27.97	D	149.17	16.17 / 4.45	4.05	20.23	15
1819	20273	500	181.36	418.98	17.91 / 17.70	21.01	27.01	D	167.13	15.94 / 4.33	4.54	20.25	18.5
1821	22291	500	202.16	466.98	17.72 / 17.52	23.41	34.44	D	186.46	16.17 / 4.45	5.06	25.77	18.5
1823	24310	500	222.83	516.16	17.54 / 17.34	25.88	43.13	D	203.35	16.17 / 4.45	5.52	31.35	22
1827	28346	500	265.39	617.92	17.16 / 16.99	30.98	64.7	D	240.55	16.41 / 4.58	6.53	45.67	22
2027	30236	500	283.04	659.12	17.16 / 16.99	33.05	69.04	D	256.59	16.41 / 4.58	6.97	49.2	30
2033	36657	500	350.44	819.82	16.79 / 16.62	41.11	113.28	D	311.07	16.41 / 4.58	8.45	76.28	30
2035	38845	500	375.3	879.77	16.59 / 16.44	44.11	132.71	D	334.36	16.64 / 4.70	9.08	89.42	30
2039	42979	500	417.51	979.48	16.49 / 16.35	49.11	170.57	D	369.94	16.64 / 4.70	10.05	113.03	37
2233	41280	500	394.6	923.23	16.79 / 16.62	46.29	128.25	D	350.31	16.41 / 4.58	9.51	87.82	37
2239	48522	500	471.19	1105.81	16.50 / 16.35	55.44	192.86	D	417.65	16.64 / 4.70	11.34	129.97	37

Rated Condition:

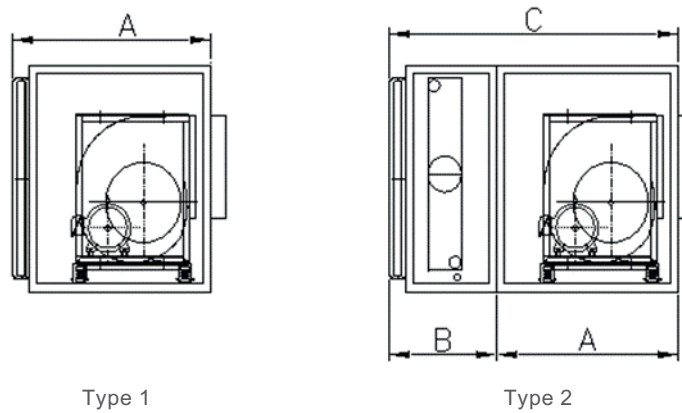
For Cooling Coil: EDB = 35 deg.C, EWB = 28 deg.C, EWT = 7 deg.C, LWT = 12 deg.C

For Heating Coil: EDB = 0 deg.C, EWT = 60 deg.C, LWT = 50 deg.C



Outline And Dimension

a. Horizontal Typical Configuration



Model	0404	0407	0410	0413	0707	0710	0713	0715	1010	1013	1015	1019	1021	1315	1319
CFM	1,369	2,176	2,983	3,791	3,539	4,850	6,162	7,037	6,715	8,531	9,743	12,164	13,374	11,906	14,866
LPS	646	1,027	1,408	1,789	1,670	2,289	2,908	3,321	3,169	4,026	4,598	5,741	6,312	5,619	7,016
Height	800	800	800	800	1,100	1,100	1,100	1,100	1,400	1,400	1,400	1,400	1,400	1,700	1,700
Width	800	1,100	1,400	1,700	1,100	1,400	1,700	1,900	1,400	1,700	1,900	2,300	2,500	1,900	2,300

Length

1	A	1,000	1,000	1,100	1,100	1,100	1,100	1,300	1,300	1,300	1,300	1,500	1,500	1,500	1,500	1,500
	A	900	900	1,000	1,000	1,000	1,000	1,200	1,200	1,200	1,200	1,400	1,400	1,400	1,400	1,400
2	B	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700
	C	1,600	1,600	1,700	1,700	1,700	1,700	1,900	1,900	1,900	1,900	2,100	2,100	2,100	2,100	2,100

Model	1321	1519	1521	1819	1821	1823	1827	2027	2033	2035	2039	2233	2239	2539
CFM	16,347	16,218	17,832	20,273	22,291	24,310	28,346	30,236	36,657	38,845	42,979	41,280	48,522	52,548
LPS	7,715	7,654	8,416	9,568	10,520	11,473	13,378	14,270	17,300	18,333	20,284	19,482	22,900	24,800
Height	1,700	1,900	1,900	2,200	2,200	2,200	2,200	2,400	2,400	2,400	2,400	2,600	2,600	2,600
Width	2,500	2,300	2,500	2,300	2,500	2,700	3,100	3,100	3,700	3,900	4,300	3,700	4,300	4,300

Length

1	A	1,700	1,700	1,700	1,700	1,900	1,900	2,100	2,100	2,300	2,300	2,300	N/A	N/A	N/A
	A	1,600	1,600	1,600	1,600	1,800	1,800	2,000	2,000	2,200	2,200	2,200	2,200	2,200*	2,200*
2	B	700	700	700	700	700	700	700	700	700	700	700	700	700	700
	C	2,300	2,300	2,300	2,300	2,500	2,500	2,700	2,700	2,900	2,900	2,900	2,900	2,900	2,900

Table 7: Horizontal Typical Configuration Type 1 & 2

Note:

1. Please add 100mm for model using coil (8 Row & above)
2. The dimensions are subject to change without any notice for future improvement.
3. Dimensions in mm.
4. Please add 50mm length on the individual section width, depth and height if using the 50mm insulation panel.
5. For blower model 1250, section size will be 2600.*

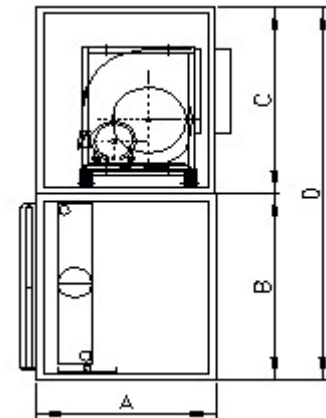
b. Vertical Typical Configuration

Model	0404	0407	0410	0413	0707	0710	0713	0715
CFM	1,370	2,178	2,986	3,793	3,541	4,853	6,166	7,042
LPS	646	1,027	1,408	1,789	1,670	2,288	2,908	3,321
Width	800	1,100	1,400	1,700	1,100	1,400	1,700	1,900

A	900	900	1,000	1,000	1,000	1,000	1,200	1,200
B	-	-	-	-	-	1,100	1,100	1,100
C	-	-	-	-	-	1,100	1,100	1,100
D	1,600	1,600	1,600	1,600	1,900	2,200	2,200	2,200

Model	1010	1013	1015	1019	1021	1315	1319	1321
CFM	6,719	8,537	9,750	12,173	13,384	11,914	14,877	16,359
LPS	3,169	4,026	4,598	5,741	6,312	5,619	7,016	7,715
Width	1,400	1,700	1,900	2,300	2,500	1,900	2,300	2,500

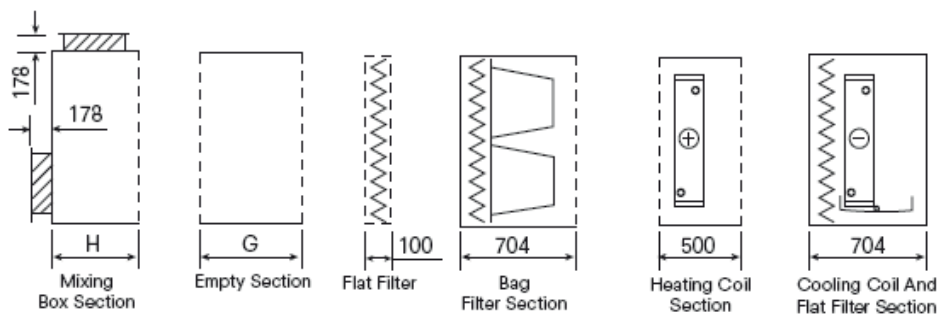
A	1,200	1,200	1,400	1,400	1,400	1,400	1,400	1,600
B	1,400	1,400	1,400	1,400	1,400	1,700	1,700	1,700
C	1,100	1,200	1,200	1,400	1,400	1,400	1,600	1,600
D	2,500	2,600	2,800	2,800	2,800	3,100	3,300	3,300



Note:

1. Please add 100mm for model using coil (8 Row & above)
2. The dimensions are subject to change without any notice for future improvement.
3. Dimensions in mm.
4. Please add 50mm length on the individual section width, depth and height if using the 50mm insulation panel.

c. Accessory



Model	0404	0407	0410	0413	0707	0710	0713	0715	1010	1013	1015	1019	1021	1315
G	From 304 to 1204 mm (with 100 mm increment)													
H	504	504	504	504	704	704	704	704	704	704	704	704	704	804

Model	1319	1321	1519	1521	1819	1821	1823	1827	2027	2033	2233	2239	2539	
G	From 304 to 1204 mm (with 100 mm increment)													
H	804	804	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004	1,004	

Filter Specification

a. Standard Filter

Model	Filter Media Size and Quantity									
	Sliding Filter frame					Universal Filter Frame				
	24" x 24"		24" x 12"		Total Area (m ²)	24" x 24"		24" x 12"		Total Area (m ²)
	Qty	Area (m ²)	Qty	Area (m ²)		Qty	Area (m ²)	Qty	Area (m ²)	
0404	1	0.37	0	0	0.37	1	0.37	0	0	0.37
0407	1	0.37	1	0.19	0.56	1	0.37	1	0.19	0.56
0410	2	0.74	0	0	0.74	2	0.74	0	0	0.74
0413	2	0.74	1	0.19	0.93	2	0.74	1	0.19	0.93
0707	1	0.37	2	0	0.74	1	0.37	2	0	0.74
0710	2	0.74	2	0.19	1.11	2	0.74	2	0.19	1.11
0713	2	0.74	3	0.37	1.3	2	0.74	3	0.37	1.3
0715	3	1.11	3	0.37	1.67	3	1.11	3	0.37	1.67
1010	4	1.49	0	0.56	1.49	4	1.49	0	0.56	1.49
1013	4	1.49	2	0.56	1.86	4	1.49	2	0.56	1.86
1015	6	2.23	0	0	2.23	6	2.23	0	0	2.23
1019	6	2.23	2	0.37	2.6	6	2.23	2	0.37	2.6
1021	8	2.97	0	0	2.97	8	2.97	0	0	2.97
1315	6	2.23	3	0.37	2.79	6	2.23	3	0.37	2.79
1319	6	2.23	5	0	3.16	6	2.23	5	0	3.16
1321	8	2.97	4	0.56	3.71	8	2.97	4	0.56	3.71
1519	6	2.23	5	0.93	3.16	6	2.23	5	0.93	3.16
1521	8	2.97	4	0.74	3.71	8	2.97	4	0.74	3.71
1819	9	3.34	3	0.56	3.9	9	3.34	3	0.56	3.9
1821	12	4.46	0	0	4.46	12	4.46	0	0	4.46
1823	12	4.46	0	0	4.46	12	4.46	0	0	4.46
1827	15	5.58	0	0	5.58	12	4.46	3	0.56	5.02
2027	15	5.58	5	0.93	6.51	12	4.46	7	1.3	5.76
2033	18	6.69	6	1.11	7.8	15	5.58	8	1.49	7.06
2233	24	8.93	0	0	8.93	20	7.43	4	0.74	8.18
2239	28	10.41	0	0	10.41	24	8.93	4	0.74	9.66
2539	28	10.41	7	1.3	11.71	24	8.93	10	1.86	10.78

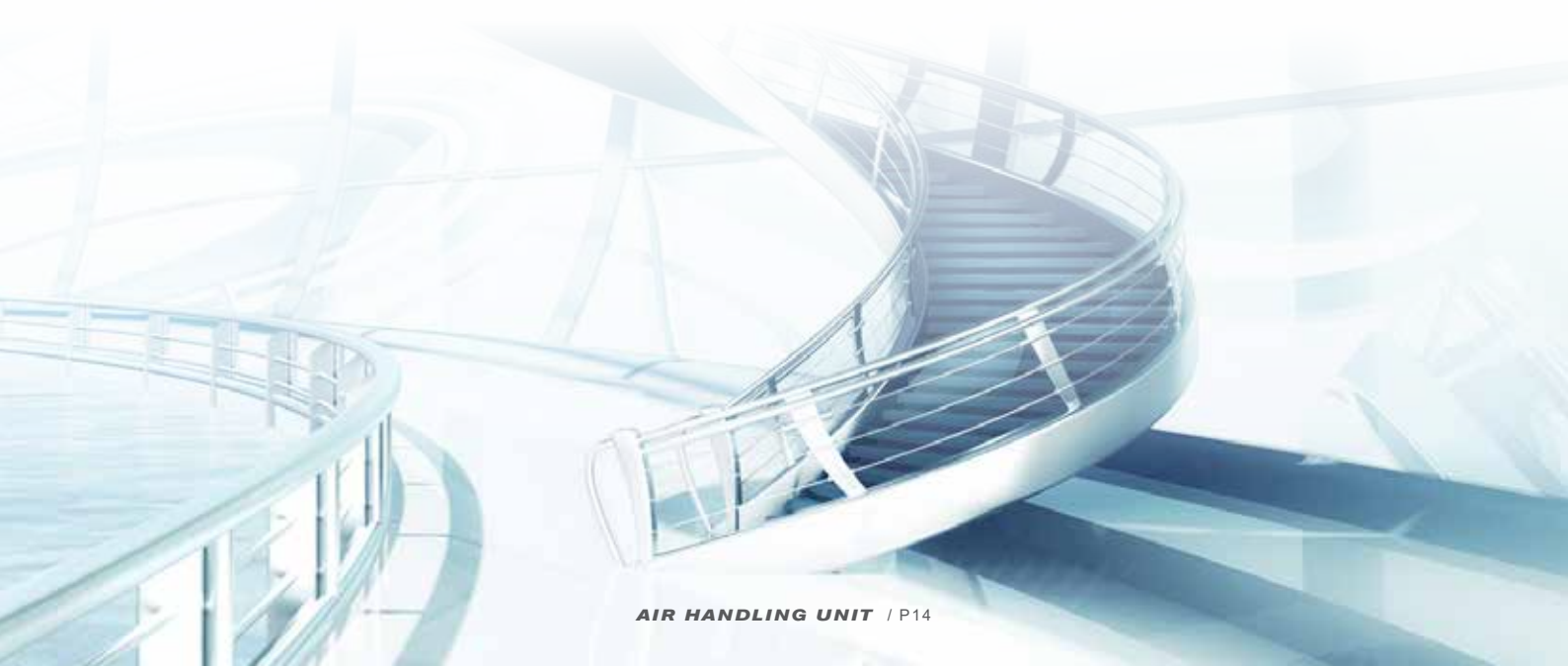
Standard Units Quick Selection Table

b. HEPA Filter

Model	HEPA Filter Size c/w Frame and Quantity / Unit					
	24" x 24"		24" x 12"		Total	
	Qty	Area (m ²)	Qty	Area (m ²)	Qty	Area (m ²)
0404	1	0.37	0	0	1	0.37
0407	1	0.37	1	0.19	2	0.56
0410	2	0.74	0	0	2	0.74
0413	2	0.74	0	0	2	0.74
0707	1	0.37	2	0.37	3	0.74
0710	2	0.74	2	0.37	4	1.11
0713	2	0.74	2	0.37	4	1.11
0715	2	0.74	3	0.56	5	1.3
1010	4	1.49	0	0	4	1.49
1013	4	1.49	0	0	4	1.49
1015	4	1.49	2	0.37	6	1.86
1019	6	2.23	0	0	6	2.23
1021	6	2.23	2	0.37	8	2.6
1315	4	1.49	2	0.37	6	1.86
1319	6	2.23	0	0	6	2.23
1321	6	2.23	2	0.37	8	2.6
1519	6	2.23	3	0.56	9	2.79
1521	6	2.23	5	0.93	11	3.16
1819	9	3.34	0	0	9	3.34
1821	9	3.34	3	0.56	12	3.9
1823	12	4.46	0	0	12	4.46
1827	12	4.46	3	0.56	15	5.02
2027	12	4.46	7	1.3	19	5.76
2033	15	5.57	8	1.49	23	7.06
2233	15	5.57	8	1.49	23	7.06
2239	18	6.69	6	1.11	24	7.8
2539	24	8.92	0	0	24	8.92

Note:

1. Cabinet Depth 1200 mm Distance filter to discharge opening 200 mm.





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