

## Air Handling Unit

### Horizontal Mounted Packaged

It is a kind of fan coil unit that is connected to the chillers to realize cooling/heating for civil or industrial use.



Washable filter



Quiet function



Compact design



Easier maintainability

- Anti-freeze designed cooling coil.
- Anti-corrosion thanks to painted double-faced electro-galvanized or hot-electro-galvanized metal case.
- Easy maintenance thanks to detachable panel and adjustable motor base.
- Blue hydrophilic aluminum fin: The fin is anti-corrosion and easy clean, lower decreasing of performance after years of operation.
- Anti-frostcrack design for heat exchanger: With proper designed water discharge valve, complete water discharging is ensured, so that the copper tube will not be frost cracked during winter.
- The heat exchange stream is well optimized design, that the heat exchange performance of the heat exchanger can be maximum utilized.
- Slimmer body by maximum optimized design, can save more space and bring down the cost.

Item	Nominal test condition (temperature)				
	DB (°C)	WB (°C)	Inlet (°C)	Outlet (°C)	
Return air type	Cooling	27	19.5	7	12
	Heating	21	—	60	—
Fresh air type	Cooling	35	28	7	12
	Heating	7	—	60	—

Model		G-1.5WD(I)(Y)/B-M	G-2WD(I)(Y)/B-M	G-2.5WD(I)(Y)/B-M	G-3WD(I)(Y)/B-M	G-4WD(I)(Y)/B-M
Air flow volume	m <sup>3</sup> /h	1500	2000	2500	3000	4000
	CFM	881	1174	1468	1761	2348
Capacity (4/6rows)	Cooling	8.40/12.03	11.03/13.50	14.10/18.42	17.11/21.53	22.50/28.78
	Heating	13.70/17.28	17.96/19.58	22.27/27.02	27.80/30.13	34.55/42.79
Water flow volume(4/6rows)	l/s	0.41/0.57	0.53/0.65	0.67/0.88	0.86/1.03	1.08/1.38
	GPM	1.80/2.51	2.33/2.86	2.95/3.87	3.78/4.53	4.75/6.07
Pressure drop(4/6rows)	kPa	5/7	7/10	8/11	11/15	13/16
	Ft-WG	1.67/2.34	2.34	2.67	3.67	4.34
Esp.range (optional)	kPa	40-300	40-300	50-350	50-350	65-350
	Ft-WG	0.16-1.2	0.16-1.2	0.2-1.4	0.2-1.4	0.26-1.4
Net weight(4/6rows)	kg	103/140	138/150	146/160	167/180	186/200
Gross weight(4/6rows)	kg	130/170	173/185	186/200	207/220	236/250
Sound pressure level	dB(A)	53	55	56	58	59
Connection pipe size	Water inlet & outlet	inch	DN40	DN40	DN40	DN40
	Condensed water drain	inch	DN25	DN25	DN25	DN25
Dimension (WxDxH)	Outline	mm	1010x1020x440	1010x1020x460	1400x1120x460	1600x1120x460
	Package	mm	1280x1130x595	1280x1230x615	1580x1230x615	1780x1230x615
Loading quantity	40'GP	—	54	54	44	44
	40'HQ	—	54	54	44	18

Note:  
1. The specification is base on 100% return air, 100% fresh air model is also available for the same range.  
2. The power input of motor is subjected to the external static pressure, please refer to the brand for the accurate value.

Model		G-5WD(I)(Y)/B-M	G-6WD(I)(Y)/B-M	G-7WD(I)(Y)/B-M	G-8WD(I)(Y)/B-M
Air flow volume	m <sup>3</sup> /h	5000	6000	7000	8000
	CFM	2935	3522	4109	4696
Capacity (4/6rows)	Cooling	28.69/36.19	33.47/43.52	39.04/53.22	44.62/59.70
	Heating	43.40/53.90	52.70/63.40	62.80/77.17	66.80/87.56
Water flow volume(4/6rows)	l/s	1.37/1.73	1.68/2.08	2.01/2.54	2.33/2.85
	GPM	6.03/7.61	7.39/9.15	8.84/11.18	10.25/12.54
Pressure drop(4/6rows)	kPa	16/19	16/21	17/21	18/22
	Ft-WG	5.34/6.35	5.28/6.95	5.68/7.01	6.01/7.35
Esp.range (optional)	kPa	65-350	75-400	75-400	90-450
	Ft-WG	0.26-1.4	0.3-1.6	0.3-1.6	0.36-1.8
Net weight(4/6rows)	kg	235/250	235/250	280/300	325/350
Gross weight(4/6rows)	kg	290/305	290/305	340/360	390/415
Sound pressure level	dB(A)	60	60	61	63
Connection pipe size	Water inlet & outlet	inch	DN50	DN50	DN50
	Condensed water drain	inch	DN25	DN25	DN25
Dimension (WxDxH)	Outline	mm	2100x1320x560	2100x1320x560	2300x1320x560
	Package	mm	2280x1430x715	2280x1430x715	2480x1430x715
Loading quantity	40'GP	—	18	18	18
	40'HQ	—	18	18	18

Note:  
1. The specification is base on 100% return air, 100% fresh air model is also available for the same range.  
2. The power input of motor is subjected to the external static pressure, please refer to the brand for the accurate value.

## Air Handling Unit

### Vertical Mounted Packaged

It is a kind of fan coil unit that is connected to the chillers to realize cooling/heating for civil or industrial use.



Washable filter



Quiet function



Compact design



Easier maintainability

- Anti-corrosion and cold bridges prevention thanks to sandwich structure case.
- Anti-corrosion thanks to painted double-faced electro-galvanized or hot-electro-galvanized metal case.
- Painted electro-galvanized metal sheet as outer-layer.
- Hot galvanized metal sheet as inner-layer.
- High-density heat-insulated urethane foam filled between outer and inner layers.
- Easy maintenance thanks to detachable panel and adjustable motor base.

Item	Nominal test condition (temperature)				
	DB (°C)	WB (°C)	Inlet (°C)	Outlet (°C)	
Return air type	Cooling	27	19.5	7	12
	Heating	21	—	60	—
Fresh air type	Cooling	35	28	7	12
	Heating	7	—	60	—

Model			G-3(I)(Y)-M	G-4(I)(Y)-M	G-5(I)(Y)-M	G-6(I)(Y)-M	G-8(I)(Y)-M	G-10(I)(Y)-M	G-12(I)(Y)-M
Air flow volume		m³/h	3000	4000	5000	6000	8000	10000	12000
		CFM	1761	2348	2935	3522	4696	5870	7044
Capacity (4/6rows)	Cooling	kW	18.2/26.5	23.5/35.1	32.2/44.1	36.4/52.5	48.5/66.1	60.1/84.1	72.1/96.5
	Heating	kW	28.2/35.3	40.2/46.5	50.2/58.4	58.2/68.9	75.8/88.8	92.3/122.3	112.8/133.5
Water flow volume(4/6rows)		l/s	0.87/1.27	1.13/1.68	1.54/2.10	1.74/2.51	2.32/3.16	2.87/4.02	3.44/4.61
		GPM	3.83/3.588	4.97/7.39	6.78/9.24	7.66/11.04	10.21/13.90	12.63/17.69	15.14/20.28
Pressure drop(4/6rows)		kPa	9.15/12.9	11.9/14.6	16.0/15.0	21.2/16.1	30.9/20.8	57.1/23.2	12.0/15.6
		Ft-WG	3.06/4.31	3.97/4.88	5.34/5.01	7.08/5.38	10.32/6.95	19.07/7.75	4.01/8.55
Esp.range (optional )		kPa	50-300	65-350	65-350	75-350	90-450	90-500	100-500
		Ft-WG	0.2-1.2	0.26-1.4	0.2-1.4	0.3-1.4	0.36-1.8	0.36-2.0	0.4-2.0
Net weight(4/6rows)		kg	215/240	260/295	305/330	340/375	390/435	450/485	503/535
Gross weight(4/6rows)		kg	250/275	295/335	345/360	420/455	430/475	475/535	563/585
Sound pressure level		dB(A)	56	56	57	58	59	59	61
Connection pipe size	Water inlet & outlet	inch	DN40	DN40	DN50	DN65	DN65	DN65	DN65
	Condensed water drain	inch	DN25	DN25	DN25	DN25	DN40	DN40	DN40
Dimension (WxDxH)	Outline	mm	1150x730x1300	1150x730x1400	1350x830x1400	1350x830x1600	1750x830x1800	1950x830x1800	1950x830x1900
	Package	mm	1260x830x1420	1260x830x1520	1450x930x1520	1450x930x1720	1880x948x1920	2070x948x1920	2070x948x2020
Loading quantity	40°GP	—	22	22	16	14	12	12	12
	40°HQ	—	22	22	16	14	12	12	12

Model			G-14(I)(Y)-M	G-16(I)(Y)-M	G-18(I)(Y)-M	G-20(I)(Y)-M	G-22(I)(Y)-M	G-25(I)(Y)-M	G-30(I)(Y)-M
Air flow volume		m³/h	14000	16000	18000	20000	22000	25000	30000
		CFM	8218	9392	10566	11740	12914	14675	17610
Capacity (4/6rows)	Cooling	kW	82.1/111.6	91.1/123	106.2/143.8	121.5/168	133.5/179	152.3/195	175.5/233
	Heating	kW	129.5/155.4	143.3/173.2	161.5/198.2	178.4/224	207.2/245.6	226.3/278.5	271.4/335
Water flow volume(4/6rows)		l/s	3.92/5.34	4.35/5.88	5.07/6.87	5.81/7.89	6.38/8.56	7.28/9.32	8.39/11.14
		GPM	17.25/23.50	19.14/25.87	22.31/30.23	25.56/34.72	28.07/37.66	32.03/41.01	36.92/49.02
Pressure drop(4/6rows)		kPa	22.1/28.0	23.0/32.1	25.0/35.2	25.0/38.5	20.0/32.1	29.0/36.0	23.0/38.0
		Ft-WG	7.36/9.36	7.68/10.72	8.35/11.78	8.35/12.86	6.68/10.72	9.69/12.02	7.68/12.69
Esp.range (optional )		kPa	100-550	120-600	120-650	140-700	170-750	170-750	220-800
		Ft-WG	0.4-2.2	0.48-2.4	0.48-2.6	0.56-2.8	0.68-3.0	0.68-3.0	0.44-3.2
Net weight(4/6rows)		kg	545/580	745/780	790/840	815/860	865/915	910/960	1015/1250
Gross weight(4/6rows)		kg	590/630	820/850	850/900	890/930	905/980	950/1000	1075/1310
Sound pressure level		dB(A)	63.5	63.5	65.5	67	68	68	71
Connection pipe size	Water inlet & outlet	inch	DN65	DN65	DN65	DN80	DN80	DN80	DN80
	Condensed water drain	inch	DN40	DN40	DN40	DN40	DN40	DN40	DN40
Dimension (WxDxH)	Outline	mm	2250x930x2100	2250x930x2100	2250x930x2100	1950x1440x1930	2250x1640x2030	2250x1640x2030	2250x1640x2330
	Package	mm	2338x1048x2230	2338x1048x2230	2338x1048x2230	2040x1500x2060	2340x1700x2160	2340x1700x2160	2340x1700x2460
Loading quantity	40°GP	—	8	8	8	7	5	5	4
	40°HQ	—	8	8	8	7	5	5	4

Note:  
 1. The specification is base on 100% return air. 100% fresh air model is also available for the same range.  
 2. The power input of motor is subjected to the external static pressure, please refer to the brand for the accurate value.

## Air Handling Unit

### Hydronic Air Handling Unit

It is a kind of air handling unit that the function section could be chosen customized according to various project requirement.



- Cold bridge preventing design: The AHU adopts anodized aluminum alloy with high anti-corrosion performance, hard PVC as cold bridge, soft PVC as seal packing ring and beading, of which insulation performance is higher. Double skin panel with polyurethane foam insulation, which is lighter weight and lower heat conductivity factor.
- Modular design: All the function sections of the AHU are modular design, can be matched randomly to satisfy various of requirements.
- High airtightness design: The AHU adopts special rubber material as seal packing ring and buckle aluminum extruded sections, with extreme low air leakage rate.
- Computer software selection: AHU Selection software is available to make computer selection according to need.



Item	Nominal test condition (temperature)			
	DB (°C)	WB (°C)	Inlet (°C)	Outlet (°C)
Cooling	27	19.5	7	12
Heating	21	—	60	—