Product description

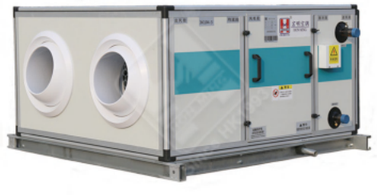
The cabinet air handling unit series are divided into four series products: HMDG/HMWG/HMLG/HMSL. This series products have the advantages of strong cooling capacity, high efficiency, low noise, and durability. It is a central air-conditioning terminal device installed in various high-end hotels, hotels, shopping malls, office buildings, hospitals, airports, subway stations, exhibition centers and other concealed space. It is an ideal product for central air-conditioning system supporting equipment with high air volume, cooling capacity, humidity and cleanliness requirements.Each model of the unit has 4 rows, 6 rows and 8 rows of coils, and there are 8 pieces/inch, 10 pieces/inch, 12 pieces/inch heat exchangers with different cooling capacities for selection. Reliable quality, stable performance, with the following characteristics:

1. The chassis adopts an aluminum alloy frame double-panel structure, the panel adopts high-quality color steel plate, and the interlayer is filled with thermal insulation materials. It has a compact structure, beautiful appearance, anti-condensation, easy maintenance, and low noise.
2. The fan adopts a front-curved multi-blade double-suction centrifugal fan. After dynamic and static balance correction, the fan has high efficiency. It is equipped with imported bearings, damping system and soft connection device. The unit runs smoothly and quietly.
3. The heat exchanger adopts aluminum fins and high-quality copper tubes as a whole set of fins. After the second flanging process and mechanical expansion, it ensures close contact, high heat exchange efficiency, low wind and water resistance, and easy cleaning.(Product standard: JB/T9066-1999)

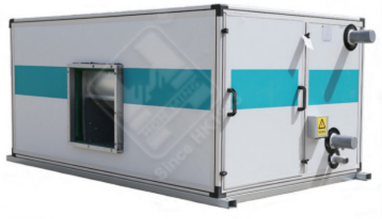
Horizontal air handling unit

Vertical air handling unit

Electric control box (optional)



Remote jet air handling unit

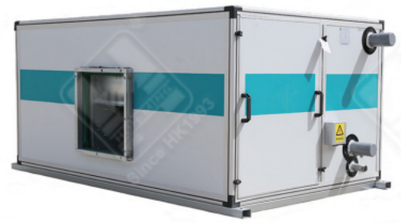


Ceiling air handling unit

Product characteristics

Box structure

- It adopts the box-board direct assembly structure, which has good heat insulation performance and no cold bridge trouble.
- Double-sided insulation board, inner and outer boards are available in a variety of materials. The standard is painted galvanized steel sheet, which has excellent anti-corrosion performance and high hardness. Optional zinc-aluminum co-plating plate. PE protective film is attached to the outer board to ensure that it is not damaged during processing and transportation.
- Rigid polyurethane thermal insulation material, one-time forming foaming process, the foaming material is tightly combined with the inner and outer boards, and the thermal insulation performance and structural strength are excellent.



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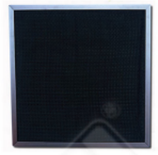


- The filter adopts a multi-layer corrugated aluminum mesh built-in nylon mesh filter, the thickness standard is 12mm (optional 45mm), the filtration efficiency is G2, and it can be washed repeatedly and used forever.
- The tenon-type assembling patent structure is adopted between the filters, and the clever "hand-to-hand" design makes the seams between the filters tight, prevents air leakage, and makes the extraction and maintenance of the filters extremely convenient.

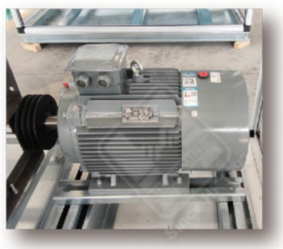
Condensate tray and access door

- The stainless steel thousand-type condensate tray uses a sinking process to detect leaks one by one to ensure that there is no water in the tray during operation.
- The standard access door has a beautiful appearance and adopts knife edge sealing technology to ensure the sealing performance of the unit.

Product characteristics

Fan and motor

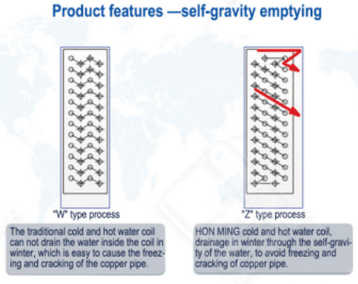
- The well-known brand double-inlet centrifugal fan, the impeller and frame are made of hot-dip galvanized steel plate, with high structural strength. Strict dynamic and static balance test, low noise and low vibration. The motor is a fully enclosed self-fan-cooled squirrel cage three-phase asynchronous motor with protection grade IP54 or IP55, class F insulation, standard power supply 380V/3P/50HZ.
- According to the customer's air volume and pressure requirements, each machine is selected by computer one by one, and the efficiency, bearing life, noise and other factors are comprehensively considered to ensure the best working conditions.



- It adopts European-style taper pulley and has been tested for dynamic and static balance. It is flexible in disassembly and assembly and easy to maintain.
- The belt adopts a well-known brand, with high transmission power and wear resistance.

  The damping points of the spring damping are strictly selected and calculated, and the damping efficiency is more than 95%.
- The fan motor adopts aluminum profile or channel steel base frame, beautiful appearance and convenient belt adjustment.

Coil heat exchanger.



- The cold and hot coils are in the form of copper pipes with anticorrosive and hydrophilic aluminum fins. The copper tube adopts high-quality phosphorous deoxidized copper tube, and the radiating fin adopts corrugated louver with higher heat exchange efficiency. Compared with ordinary radiating fin, the heat exchange capacity is increased by more than 10%.
- The use of mechanical low-speed tube expansion technology ensures that each fin is firmly combined with the copper tube: the joint between the end plate and the copper tube is flanged to ensure that the copper tube is not damaged during transportation or shipment.
- 4/6/8 multi-row design, each coil is strictly computer-selected and calculated to ensure the best heat exchange effect. In view of the anti-freezing problem of fresh air unit coils in cold areas, a number of anti-freezing protection measures are provided, such as anti-freezing switch, drain type and downstream coil layout.
- Each coil is strictly tested for leaks before leaving the factory. Test pressure: 2.8MPa, the maximum working pressure can reach 1.6MPa.

Model naming

Unit model representation method

HMDG — 4.5 — 4 — H — DG — T

- T: Non-standard unit
- DG: Jet air cabinet: DG is the suspended ceiling jet air cabinet, LG is the vertical cabinet jet air cabinet, the default is ordinary air cabinet;
- H: Unit working condition: H is the return air condition, X is the fresh air condition;
- 4: Number of coil rows: 4 is 4 rows, 6 is 6 rows, 8 is 8 rows;
- 4.5: Model specifications: Indicates air volume, digital X1000m /h;
- HMDG: Structural form: DG is ceiling cabinet, WG is a horizontal cabinet, LG is vertical cabinet, and SL is jet air cabinet

Note:

1、Optional functional sections are: primary efficiency filter - folded type; primary efficiency filter - nylon mesh; primary efficiency filter - three layers of aluminum mesh; medium efficiency filter - folded type; medium efficiency filter - bag type; primary efficiency + medium efficiency filter - folded type; folded primary efficiency + bag type medium efficiency; electric heating; unit with frequency converter.

2、For non-standard size or special purpose, please add "T" after the model to distinguish.

3、Product specifications and performance are subject to change without notice.

Standard 5℃ variable condition performance correction table

Standard 5℃ temperature difference variable condition performance correction table

Standard condition	Dry bulb temperature	Wet bulb temperature	Water inlet temperature	Water outlet temperature
Return air cooling	27℃	19.5℃	7℃	12℃
Return air heating	21℃	— —	60℃	50℃
Fresh air cooling	34℃	28℃	7℃	12℃
Fresh air heating	5℃	— —	60℃	50℃

Cooling capacity correction coefficient table

Actual working conditions		Chilled water inlet temperature														
Working condition	Inlet air dry/wet bulb temperature	5°C	6°C	7°C	8°C	9°C	10°C	11°C	12°C	13°C	14°C	15°C	16°C	17°C	18°C	19°C
Return air condition	24/17°C	0.88	0.80	0.72	0.64	0.57	0.51	0.42	0.45	0.40	0.37	0.33	0.29	0.26	0.23	0.20
	25/18°C	1.00	0.91	0.82	0.74	0.66	0.58	0.51	0.47	0.43	0.37	0.33	0.30	0.27	0.24	0.20
	26/19°C	1.11	1.02	0.94	0.84	0.76	0.67	0.59	0.51	0.45	0.39	0.34	0.30	0.28	0.24	0.21
	27/19.5°C	1.18	1.09	1.00	0.91	0.82	0.73	0.65	0.58	0.51	0.42	0.35	0.30	0.27	0.23	0.20
	28/20°C	1.25	1.16	1.06	0.97	0.88	0.79	0.71	0.64	0.56	0.48	0.41	0.33	0.28	0.24	0.21
	29/21°C	1.37	1.28	1.19	1.09	1.00	0.90	0.81	0.75	0.68	0.60	0.52	0.43	0.35	0.27	0.22
	30/22°C	1.50	1.42	1.32	1.22	1.13	1.03	0.93	0.85	0.77	0.68	0.60	0.52	0.43	0.34	0.25
	31/23°C	1.65	1.56	1.46	1.36	1.27	1.16	1.06	0.96	0.86	0.77	0.68	0.59	0.50	0.42	0.33
Fresh air condition	31/25°C	0.86	0.82	0.78	0.73	0.68	0.64	0.59	0.53	0.48	0.44	0.39	0.35	0.30	0.26	0.22
	32/26°C	0.93	0.89	0.85	0.80	0.76	0.71	0.66	0.61	0.56	0.52	0.47	0.42	0.38	0.33	0.28
	33/27°C	1.01	0.97	0.92	0.88	0.83	0.78	0.73	0.68	0.63	0.58	0.52	0.47	0.41	0.37	0.32
	34/28°C	1.09	1.04	1.00	0.95	0.91	0.86	0.81	0.76	0.71	0.66	0.61	0.57	0.52	0.47	0.42
	35/29°C	1.17	1.13	1.08	1.03	0.98	0.94	0.89	0.84	0.79	0.74	0.69	0.65	0.60	0.56	0.51
	36/30°C	1.25	1.21	1.16	1.12	1.07	1.02	0.97	0.92	0.87	0.82	0.78	0.73	0.68	0.63	0.58
	37/31°C	1.34	1.29	1.25	1.20	1.16	1.11	1.05	1.00	0.95	0.90	0.84	0.79	0.74	0.68	0.63

Heating capacity correction coefficient table (standard temperature difference of 10℃)

Actual working conditions		Heat source water inlet temperature					
Working condition	Inlet dry bulb temperature	40°C	50°C	60°C	70°C	80°C	90°C
Return air condition	17°C	0.58	0.82	1.11	1.04	1.68	1.90
	18°C	0.56	0.80	1.09	1.37	1.66	1.87
	19°C	0.54	0.77	1.06	1.34	1.63	1.84
	20°C	0.51	0.74	1.03	1.32	1.60	1.81
	21°C	0.48	0.71	1.00	1.29	1.57	1.79
	22°C	0.45	0.68	0.97	1.26	1.54	1.76
	23°C	0.42	0.65	0.94	1.23	1.52	1.73
	24°C	0.39	0.62	0.91	1.20	1.49	1.70
Fresh air condition	-10°C	0.90	1.08	1.28	1.47	1.65	1.83
	-5°C	0.81	1.00	1.19	1.38	1.56	1.74
	0°C	0.72	0.90	1.10	1.29	1.47	1.65
	5°C	0.63	0.82	1.00	1.20	1.38	1.56
	10°C	0.54	0.74	0.92	1.12	1.29	1.47
	15°C	0.46	0.65	0.83	1.03	1.20	

HMDG/WG-series technical parameter table

HMDG/WG- series cabinet air handling unit — Four rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m³/h)		Water resistance (KPa)		External residual pressure	Motor power	Unit weight
HMDG /WG	(m³/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(Pa)	(kW)	(kg)
2.0-4	2000	11.2	25.7	19.1	28.7	1.93	4.42	6.3	11.7	220	0.55	130
2.5-4	2500	13.5	31.3	22.9	35	2.32	5.38	6.7	12.5	220	0.75	145
3.0-4	3000	15.7	26.9	26.7	30.1	2.70	4.63	7.1	13.2	270	0.75	155
4.0-4	4000	23.2	54.7	39.4	61.2	3.99	9.41	8.7	16.6	270	1.1	170
4.5-4	4500	26.2	61.6	44.5	68.9	4.51	10.60	10.3	19.1	270	1.1	190
5.0-4	5000	29.0	68.3	49.3	76.4	4.99	11.75	11.4	20.2	320	1.5	205
5.5-4	5500	31.4	75.3	53.4	84.3	5.40	12.95	10.2	19.1	320	1.5	210
7.5-4	7500	41.9	98.5	71.2	110.0	7.21	16.94	11.1	20.6	350	2.2	245
9.0-4	9000	52.4	123.1	89.1	137.8	9.01	21.17	11.2	20.8	350	3	285
10-4	10000	58.1	140.0	98.8	156.8	9.99	24.08	11.8	21.5	350	3	310
12-4	12000	69.9	165.6	118.8	185.4	12.02	28.48	11.0	20.5	400	4	330
15-4	15000	83.7	207.5	142.3	232.4	14.40	35.69	12.5	24.1	470	5.5	390
17-4	17000	98.0	248.5	166.6	278.3	16.86	42.74	13.2	25.8	470	7.5	450
20-4	20000	116.2	307.3	197.5	344.1	19.99	52.86	13.3	26.9	500	7.5	570
25-4	25000	139.9	355.3	237.8	397.9	24.06	61.11	13.8	27.1	420	7.5	610
30-4	30000	190.2	446.9	323.3	500.5	32.71	76.87	14.7	27.3	520	11	720
36-4	36000	238.8	556.2	405.9	622.9	41.07	95.67	15.2	28.0	470	11	810
40-4	40000	264.5	593.3	449.6	664.4	45.49	102.05	16.2	30.1	570	15	905
45-4	45000	290.2	688.9	493.3	771.5	49.91	118.49	17.5	32.7	620	18.5	1000

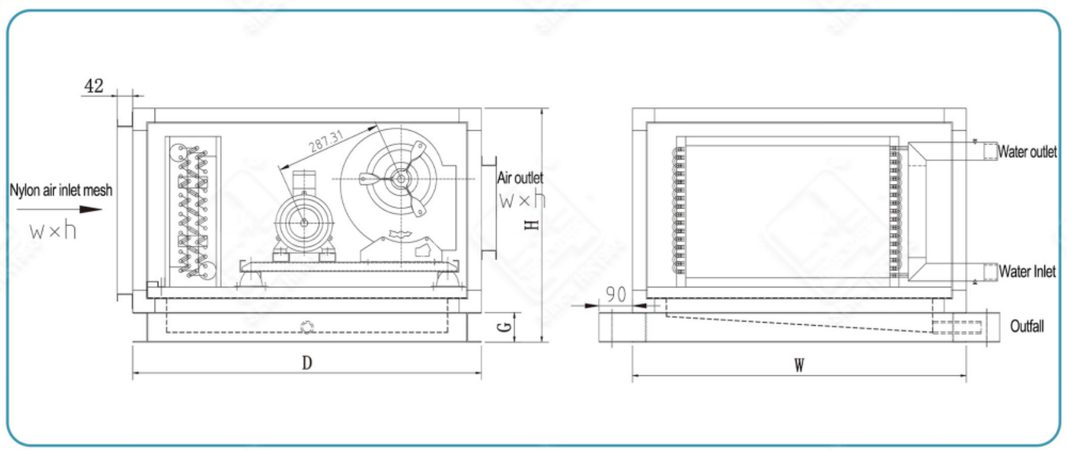
HMDG/WG- series cabinet air handling unit — Six rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m³/h)		Water resistance (KPa)		External residual pressure	Motor power	Unit weight
HMDG /WG	(m³/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(Pa)	(kW)	(kg)
2.0-6	2000	16.3	36.1	27.6	40.4	2.80	6.21	9	17.1	200	0.55	140
2.5 6	2500	19.6	44	33.1	49.3	3.37	7.57	9.9	19.1	200	0.75	160
3.0-6	3000	22.8	51.9	38.7	58.1	3.92	8.93	10.8	21.2	250	0.75	170
4.0-6	4000	33.8	77.1	57.5	86.4	5.81	13.26	13.1	24.9	250	1.1	190
4.5-6	4500	38.1	86.8	64.8	97.2	6.55	14.93	16.4	32.5	250	1.1	210
5.0-6	5000	42.0	95.5	71.4	107.0	7.22	16.43	17.3	33.7	300	1.5	225
5.5-6	5500	45.7	104.2	77.7	116.7	7.86	17.92	16.2	32.0	300	1.5	230
7.5-6	7500	60.9	139.1	103.5	155.8	10.47	23.93	17.9	35.4	330	2.2	270
9.0-6	9000	78.5	179.3	133.5	200.8	13.50	30.84	18.6	36.8	330	3	310
10-6	10000	86.7	198.7	147.4	222.5	14.91	34.18	19.1	37.0	330	3	340
12-6	12000	101.5	238.6	172.5	267.2	17.46	41.04	17.7	35.8	380	4	360
15-6	15000	123.0	283.2	209.1	317.2	21.16	48.71	20.7	41.3	450	5.5	430
17-6	17000	144.5	339.7	245.6	380.5	24.85	58.43	22.0	44.6	450	7.5	495
20-6	20000	172.6	393.5	293.4	440.7	29.69	67.68	22.4	44.4	480	7.5	630
25-6	25000	206.1	453.4	350.4	507.8	35.45	77.98	23.3	44.7	400	7.5	670
30-6	30000	279.5	581.6	475.2	651.4	48.07	100.04	24.9	45.6	500	11	800
36-6	36000	329.2	718.7	559.6	804.9	56.62	123.62	24.5	46.8	450	11	890
40-6	40000	369.7	793.3	628.5	888.5	63.59	136.45	26.8	48.5	550	15	995
45-6	45000	425.8	875.4	723.8	980.4	73.24	150.57	30.3	55.0	600	18.5	1100

HMDG/WG- series structure size table

HMDG/WG- series cabinet air handling unit — Four rows/six rows

Unit model	Overall size (mm)			Air inlet size (mm)	Air outlet size (mm)	Number of air outlets	Base height	Inlet and outlet pipe diameter DN (Four/six rows, fresh/return air)				Drainage pipe diameter
HMDG/WG	D	W	H	w*h	w*h	个	G	4-H	6-H	4-X	6-X	DN
2.0	940	900	630	800*450	259*228	1	80	40	40	40	40	25
2.5	940	1000	630	900*450	259*228	1	80	40	40	40	40	25
3.0	940	1050	650	970*470	287*256	1	80	40	40	40	40	25
4.0	940	1130	740	1030*560	331*289	1	80	40	40	40	40	25
4.5	940	1230	740	1130*560	331*289	1	80	40	40	40	40	25
5.0	940	1330	740	1230*560	331*289	1	80	40	40	50	50	25
5.5	1040	1330	820	1230*640	395*341	1	80	40	40	50	50	25
7.5	1040	1730	820	1630*640	395*341	1	80	40	40	50	50	25
9.0	1040	1680	900	1580*720	471*404	1	80	50	50	65	65	25
10	1040	1830	900	1730*720	471*404	1	80	50	50	65	65	25
12	1200	1730	1080	1630*900	557*478	1	80	50	50	65	65	25
15	1200	2100	1080	2000*900	557*478	1	80	65	65	65	65	25
17	1200	2330	1080	2230*900	557*478	1	80	65	65	80	80	25
20	1160	2230	1330	2130*1150	471*404	2	80	80	80	80	80	32
25	1280	2430	1450	2230*1270	557*478	2	80	80	80	80	80	32
30	1280	2430	1670	2330*1490	557*478	2	80	80	80	100	100	32
36	1400	2550	1900	2450*1720	638*638	2	80	100	100	100	100	32
40	1400	2630	1980	2530*1800	638*638	2	80	100	100	100	100	32
45	1470	2900	1980	2800*1800	638*638	2	80	100	100	100	100	32



HMLG- series technical parameter table

HMLG- series vertical cabinet air handling unit — Four rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m³/h)		Water resistance (KPa)		External residual pressure	Motor power	Unit weight
HMLG	(m³/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(Pa)	(kW)	(kg)
3.0-4	3000	15.7	26.9	26.7	30.1	2.70	4.63	7.1	13.2	270	0.75	155
4.0-4	4000	23.2	54.7	39.4	61.2	3.99	9.41	8.7	16.6	270	1.1	170
4.5-4	4500	26.2	61.6	44.5	68.9	4.51	10.60	10.3	19.1	270	1.1	190
5.0-4	5000	29.0	68.3	49.3	76.4	4.99	11.75	11.4	20.2	320	1.5	205
5.5-4	5500	31.4	75.3	53.4	84.3	5.40	12.95	10.2	19.1	320	1.5	210
7.5-4	7500	41.9	98.5	71.2	110.0	7.21	16.94	11.1	20.6	350	2.2	245
9.0-4	9000	52.4	123.1	89.1	137.8	9.01	21.17	11.2	20.8	350	3	285
10-4	10000	58.1	140.0	98.8	156.8	9.99	24.08	11.8	21.5	350	3	310
12-4	12000	69.9	165.6	118.8	185.4	12.02	28.48	11.0	20.5	400	4	330
15-4	15000	83.7	207.5	142.3	232.4	14.40	35.69	12.5	24.1	470	5.5	390
17-4	17000	98.0	248.5	166.6	278.3	16.86	42.74	13.2	25.8	470	7.5	450
20-4	20000	116.2	307.3	197.5	344.1	19.99	52.86	13.3	26.9	500	7.5	570
25-4	25000	139.9	355.3	237.8	397.9	24.06	61.11	13.8	27.1	420	7.5	610
30-4	30000	190.2	446.9	323.3	500.5	32.71	76.87	14.7	27.3	520	11	720
36-4	36000	238.8	556.2	405.9	622.9	41.07	95.67	15.2	28.0	470	11	810
40-4	40000	264.5	593.3	449.6	664.4	45.49	102.05	16.2	30.1	570	15	905
45-4	45000	290.2	688.9	493.3	771.5	49.91	118.49	17.5	32.7	620	18.5	1000
50-4	50000	331.7	771.7	563.9	864.3	57.05	132.73	20.2	35.6	620	11	1250
60-4	60000	390.3	920.1	663.5	1030.5	67.13	158.26	24.6	40.2	620	15	1400

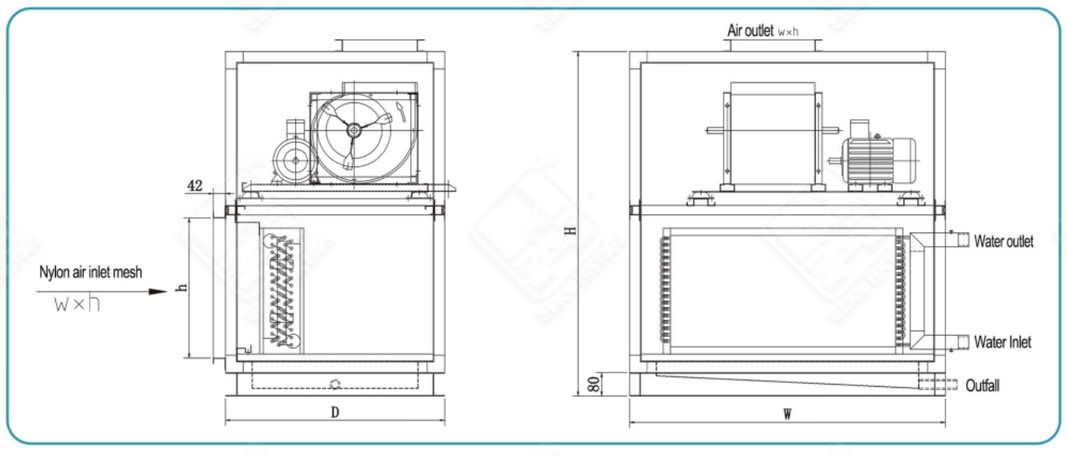
HMLG- series vertical cabinet air handling unit — Four rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m³/h)		Water resistance (KPa)		External residual pressure	Motor power	Unit weight
HMLG	(m³/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(Pa)	(kW)	(kg)
3.0-6	3000	22.8	51.9	38.7	58.1	3.92	8.93	10.8	21.2	250	0.75	(kg)
4.0-6	4000	33.8	77.1	57.5	86.4	5.81	13.26	13.1	24.9	250	1.1	190
4.5-6	4500	38.1	86.8	64.8	97.2	6.55	14.93	16.4	32.5	250	1.1	210
5.0-6	5000	42.0	95.5	71.4	107.0	7.22	16.43	17.3	33.7	300	1.5	225
5.5-6	5500	45.7	104.2	77.7	116.7	7.86	17.92	16.2	32.0	300	1.5	230
7.5-6	7500	60.9	139.1	103.5	155.8	10.47	23.93	17.9	35.4	330	2.2	270
9.0-6	9000	78.5	179.3	133.5	200.8	13.50	30.84	18.6	36.8	330	3	310
10-6	10000	86.7	198.7	147.4	222.5	14.91	34.18	19.1	37.0	330	3	340
12-6	12000	101.5	238.6	172.5	267.2	17.46	41.04	17.7	35.8	380	4	360
15-6	15000	123.0	283.2	209.1	317.2	21.16	48.71	20.7	41.3	450	5.5	430
17-6	17000	144.5	339.7	245.6	380.5	24.85	58.43	22.0	44.6	450	7.5	495
20-6	20000	172.6	393.5	293.4	440.7	29.69	67.68	22.4	44.4	480	7.5	630
25-6	25000	206.1	453.4	350.4	507.8	35.45	77.98	23.3	44.7	400	7.5	670
30-6	30000	279.5	581.6	475.2	651.4	48.07	100.04	24.9	45.6	500	11	800
36-6	36000	329.2	718.7	559.6	804.9	56.62	123.62	24.5	46.8	450	11	890
40-6	40000	369.7	793.3	628.5	888.5	63.59	136.45	26.8	48.5	550	15	995
45-6	45000	425.8	875.4	723.8	980.4	73.24	150.57	30.3	55.0	600	18.5	1100
50-6	50000	471.7	976.7	801.9	1093.9	81.13	167.99	31.5	57.1	600	11	1390
60-6	60000	566.2	117.2	962.5	1312.6	97.39	201.58	35.6	60.2	600	15	1600

HMLG- series structure size table

HMLG- series cabinet air handling unit — Four rows/six rows

Unit model	Overall size (mm)			Air inlet size (mm)	Air outlet size (mm)	Number of air outlets	Base height	Inlet and outlet pipe diameter DN (Four/six rows, fresh/return air)				Drainage pipe diameter
HMLG	D	W	H	w*h	w*h	个	G	4-H	6-H	4-X	6-X	DN
3.0	750	1080	1180	980*480	287*256	1	80	40	40	40	40	25
4.0	750	1130	1280	1030*530	331*289	1	80	40	40	40	40	25
4.5	750	1230	1280	1130*530	331*289	1	80	40	40	40	40	25
5.0	750	1230	1330	1130*580	331*289	1	80	40	40	50	50	25
5.5	750	1230	1480	1130*640	395*341	1	80	40	40	50	50	25
7.5	750	1330	1600	1230*770	395*341	1	80	40	40	50	50	25
9.0	850	1500	1730	1400*800	471*404	1	80	50	50	65	65	25
10	850	1500	1780	1400*870	471*404	1	80	50	50	65	65	25
12	950	1760	1900	1660*870	557*478	1	80	50	50	65	65	25
15	950	1900	2030	1800*1000	557*478	1	80	65	65	65	65	25
17	950	2100	2030	2000*1000	557*478	1	80	65	65	80	80	25
20	850	2300	2080	2200*1100	471*404	2	80	80	80	80	80	32
25	950	2600	2230	2500*1160	557*478	2	80	80	80	80	80	32
30	950	2700	2430	2600*1360	557*478	2	80	80	80	100	100	32
36	1100	3000	2600	2900*1420	638*638	2	80	100	100	100	100	32
40	1100	3000	2730	2900*1550	638*638	2	80	100	100	100	100	32
45	1100	3100	2860	3000*1680	638*638	2	80	100	100	100	100	32
50	1600	3100	2120	3000*1920	715*715	2	100	80*2	80*2	100*2	100*2	40
60	1700	3100	2520	3000*2320	801*801	2	100	80*2	80*2	100*2	100*2	40



HMSL-DG series technical parameter table

HMSL-DG series ceiling jet air handling unit — Four rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m^3/h)		Water resistance (KPa)		Range	Motor power	Unit weight
HMSL-DG	(m^3/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(m)	(kW)	(kg)
2.0-4	2000	11.2	25.7	19.1	28.7	1.93	4.42	6.3	11.7	15~20	0.55	140
3.0-4	3000	15.7	26.9	26.7	30.1	2.70	4.63	7.1	13.2	20~30	0.75	165
4.0-4	4000	23.2	54.7	39.4	61.2	3.99	9.41	8.7	16.6	20~30	1.1	180
5.0-4	5000	29.0	68.3	49.3	76.4	4.99	11.75	11.4	20.2	20~30	1.5	215
5.5-4	5500	31.4	75.3	53.4	84.3	5.40	12.95	10.2	19.1	20~30	1.5	220
7.5-4	7500	41.9	98.5	71.2	110.0	7.21	16.94	11.1	20.6	20~30	2.2	255
9.0-4	9000	52.4	123.1	89.1	137.8	9.01	21.17	11.2	20.8	20~30	3	295
10-4	10000	58.1	140.0	98.8	156.8	9.99	24.08	11.8	21.5	20~30	3	320
12-4	12000	69.9	165.6	118.8	185.4	12.02	28.48	11.0	20.5	20~30	4	340
15-4	15000	83.7	207.5	142.3	232.4	14.40	35.69	12.5	24.1	20~30	5.5	400

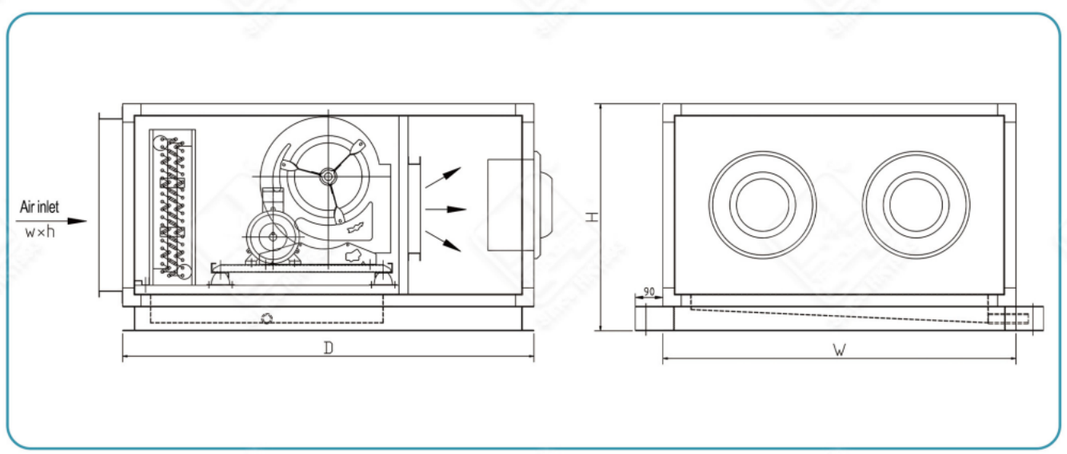
HMSL-DG series ceiling jet air handling unit — Six rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m^3/h)		Water resistance (KPa)		Range	Motor power	Unit weight
HMSL-DG	(m^3/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(m)	(kW)	(kg)
2.0-6	2000	16.3	36.1	27.6	40.4	2.80	6.21	9	17.1	15~20	0.55	150
3.0-6	3000	22.8	51.9	38.7	58.1	3.92	8.93	10.8	21.2	20~30	0.75	160
4.0-6	4000	33.8	77.1	57.5	86.4	5.81	13.26	13.1	24.9	20~30	1.1	200
5.0-6	5000	42.0	95.5	71.4	107.0	7.22	16.43	17.3	33.7	20~30	1.5	235
5.5-6	5500	45.7	104.2	77.7	116.7	7.86	17.92	16.2	32.0	20~30	1.5	240
7.5-6	7500	60.9	139.1	103.5	155.8	10.47	23.93	17.9	35.4	20~30	2.2	280
9.0-6	9000	78.5	179.3	133.5	200.8	13.50	30.84	18.6	36.8	20~30	3	320
10-6	10000	86.7	198.7	147.4	222.5	14.91	34.18	19.1	37.0	20~30	3	350
12-6	12000	101.5	238.6	172.5	267.2	17.46	41.04	17.7	35.8	20~30	4	370
15-6	15000	123.0	283.2	209.1	317.2	21.16	4871	20.7	41.3	20~30	5.5	440

HMSL-DG series structure size table

HMSL-DG series ceiling jet air handling unit — Four rows/six rows

Unit model	Overall size (mm)			Air inlet size (mm)	Air outlet size (mm)	Number of air outlets	Base height	Inlet and outlet pipe diameter DN (Four/six rows, fresh/return air)				Drainage pipe diameter
HMSL	D	W	H	w*h	Nozzle	个	G	4-H	6-H	4-X	6-X	DN
2.0	1340	900	630	800*450	Φ250*2	2	80	40	40	40	40	25
3.0	1340	1050	650	970*470	Φ315*2	2	80	40	40	40	40	25
4.0	1340	1130	740	1030*560	Φ315*2	2	80	40	40	40	40	25
5.0	1340	1330	740	1230*560	Φ350*2	2	80	40	40	50	50	25
5.5	1440	1330	820	1230*640	Φ350*2	2	80	40	40	50	50	25
7.5	1440	1730	820	1630*640	Φ400*2	2	80	40	40	50	50	25
9.0	1440	1680	900	1580*720	Φ500*2	2	80	50	50	65	65	25
10	1440	1830	900	1730*720	Φ500*2	2	80	50	50	65	65	25
12	1600	1730	1080	1630*900	Φ500*2	2	80	50	50	65	65	25
15	1600	2100	1080	2000*900	Φ500*3	3	80	65	65	65	65	25



HMSL-LG series technical parameter table

HMSL-LG series vertical cabinet jet air handling unit — Four rows

Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m³/h)		Water resistance (KPa)		Range	Motor power	Unit weight
HMSL-LG	(m³/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(m)	(kW)	(kg)
3.0-4	3000	15.7	26.9	26.7	30.1	2.70	4.63	7.1	13.2	20~30	0.75	155
4.0-4	4000	23.2	54.7	39.4	61.2	3.99	9.41	8.7	16.6	20~30	1.1	170
5.0-4	5000	29.0	68.3	49.3	76.4	4.99	11.75	11.4	20.2	20~30	1.5	205
5.5-4	5500	31.4	75.3	53.4	84.3	5.40	12.95	10.2	19.1	20~30	1.5	210
7.5-4	7500	41.9	98.5	71.2	110.0	7.21	16.94	11.1	20.6	20~30	2.2	245
9.0-4	9000	52.4	123.1	89.1	137.8	9.01	21.17	11.2	20.8	20~30	3	285
10-4	10000	58.1	140.0	98.8	156.8	9.99	24.08	11.8	21.5	20~30	3	310
12-4	12000	69.9	165.6	118.8	185.4	12.02	28.48	11.0	20.5	20~30	4	330
15-4	15000	83.7	207.5	142.3	232.4	14.40	35.69	12.5	24.1	20~30	5.5	390

HMSL-LG series vertical cabinet jet air handling unit — Six rows

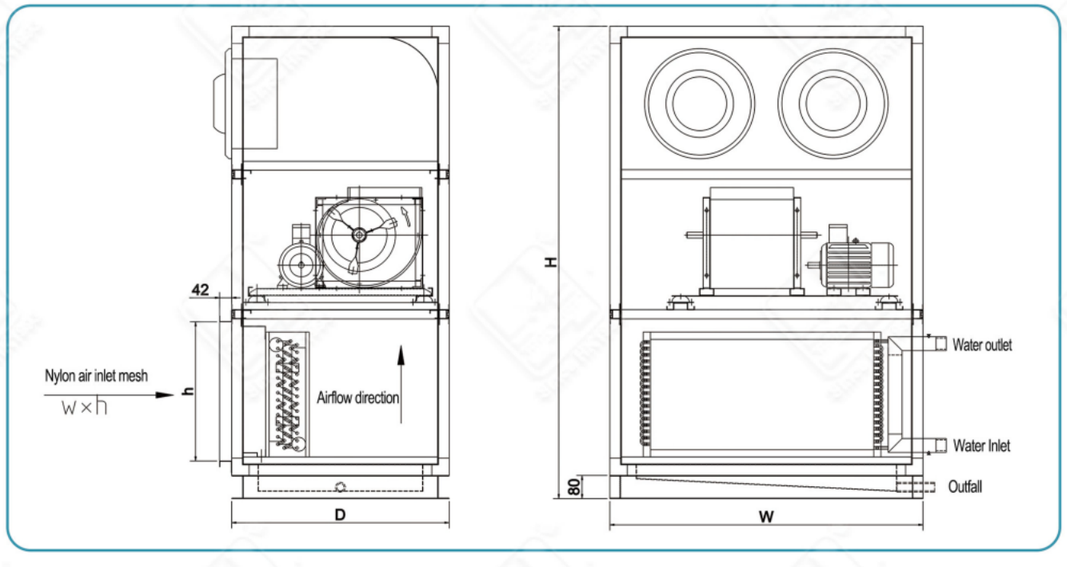
Unit model	Air volume	Cooling capacity (kw)		Heating capacity (kw)		Water flow (m³/h)		Water resistance (KPa)		Range	Motor power	Unit weight
HMSL-LG	(m³/h)	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	Return air condition	Fresh air condition	(m)	(kW)	(kg)
3.0-6	3000	22.8	51.9	38.7	58.1	3.92	8.93	10.8	21.2	20~30	0.75	170
4.0-6	4000	33.8	77.1	57.5	86.4	5.81	13.26	13.1	24.9	20~30	1.1	190
5.0-6	5000	42.0	95.5	71.4	107.0	7.22	16.43	17.3	33.7	20~30	1.5	225
5.5-6	5500	45.7	104.2	77.7	116.7	7.86	17.92	16.2	32.0	20~30	1.5	230
7.5-6	7500	60.9	139.1	103.5	155.8	10.47	23.93	17.9	35.4	20~30	2.2	270
9.0-6	9000	78.5	179.3	133.5	200.8	13.50	30.84	18.6	36.8	20~30	3	310
10-6	10000	86.7	198.7	147.4	222.5	14.91	34.18	19.1	37.0	20~30	3	340
12-6	12000	101.5	238.6	172.5	267.2	17.46	41.04	17.7	35.8	20~30	4	360
15-6	15000	123.0	283.2	209.1	317.2	21.16	48.71	20.7	41.3	20~30	5.5	430

HMSL-LG series structure size table

HMSL-LG series vertical cabinet jet air handling unit

Four rows/six rows

Unit model	Overall size (mm)			Air inlet size (mm)	Air outlet size (mm)	Number of air outlets	Base height	Inlet and outlet pipe diameter DN (Four/six rows, fresh/return air)				Drainage pipe diameter
HMLG	D	W	H	w*h	Nozzle	个	G	4-H	6-H	4-X	6-X	DN
3.0	750	1080	1690	980*480	Φ315*2	2	80	40	40	40	40	25
4.0	750	1130	1790	1030*530	Φ315*2	2	80	40	40	40	40	25
5.0	750	1230	1880	1130*580	Φ350*2	2	80	40	40	50	50	25
5.5	750	1230	2030	1130*640	Φ350*2	2	80	40	40	50	50	25
7.5	750	1330	2200	1230*770	Φ400*2	2	80	40	40	50	50	25
9.0	850	1500	2430	1400*800	Φ500*2	2	80	50	50	65	65	25
10	850	1500	2480	1400*870	Φ500*2	2	80	50	50	65	65	25
12	950	1760	2600	1660*870	Φ500*2	2	80	50	50	65	65	25
15	950	1900	2730	1800*1000	Φ500*3	3	80	65	65	65	65	25



AC DELIVERING, STORAGE, PRECAUTIONS

Box structure

- During the delivering of the unit, The correct delivering method should be selected according to the packaging size, weight and final destination of the equipment. Several suitable processing methods based on diagram 1 to diagram 4 for reference.
- Diagram 2 to diagram 4 is unit hoisting: please use belt or sling to avoid damage to the outside of the unit. Firmly bind the base which is transported with the random group. If the handling bracket and cross arm are added on site, please note that the balance of the unit must be adjusted to the correct position before lifting.
- In order not to damage the shell of the unit during lifting, please use the spreader to ensure that the sling will not rub or wind with the unit frame and various external joints and control panel. Before the unit is lifted into place, it is necessary to test whether the lifting is strong enough and balanced. In the process of lifting the unit, it is necessary to avoid the left and right torsion and up and down shaking of the unit. When hoisting the fan section, we must be very careful. Almost all the moving components of the unit are installed in this functional section. All the fans on the equipment are strictly checked for dynamic balance before leaving the factory. Rough handling may cause the fan to change or the shaft pin to loosen. Before the formal installation of the unit, we should carefully check to ensure that the above problems do not occur. There may be mufflers in coil section and mixing section, which also need to be taken care of. All parts of the equipment are subject to strict quality inspection before leaving the factory to ensure that no bolts, screws or other fixed parts are missing before delivery. After arrival of the equipment, it is necessary to check whether the equipment is loose or missing during transportation and report to the manufacturer in time.

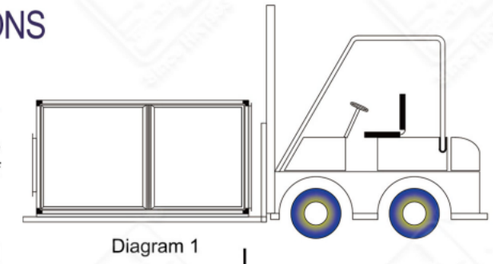


Diagram 1

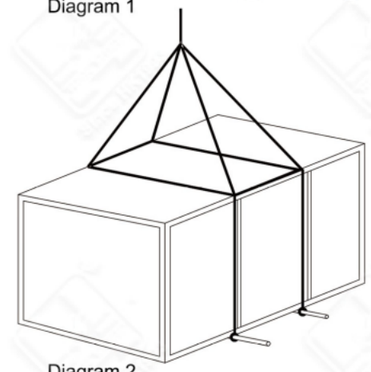


Diagram 2

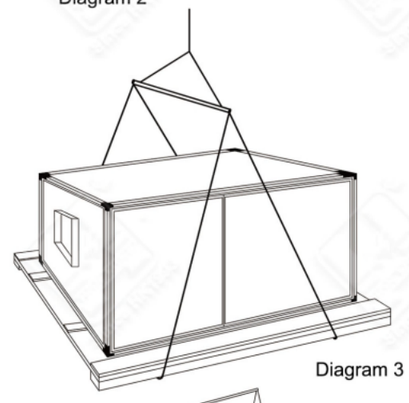


Diagram 3

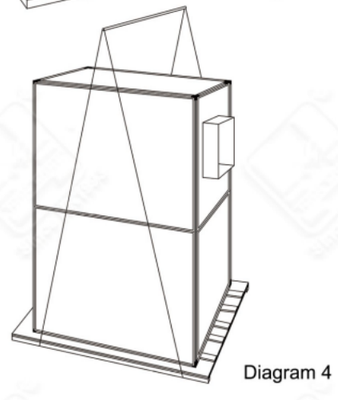


Diagram 4

Inspection and storage

- When the equipment arrives at the site, it shall be handed over and inspected immediately. The receiver shall check the goods one by one according to the freight contract to ensure that all the goods packed in wooden cases or cartons arrive and the outer packing is intact.
- If there is obvious damage to the unit or the outer package, especially if it is obvious that there is an error in the transportation process, please be sure to list them one by one in the transportation receipt. Please send the reply letter with the owner's signature and full description of the damage to the manufacturer within 48 hours, and send a copy to the project contractor or equipment dealer.
- If the unit does not need to be installed immediately, please keep the outer package of the goods and store the goods in a dry and clean place.