Библиотека СОК

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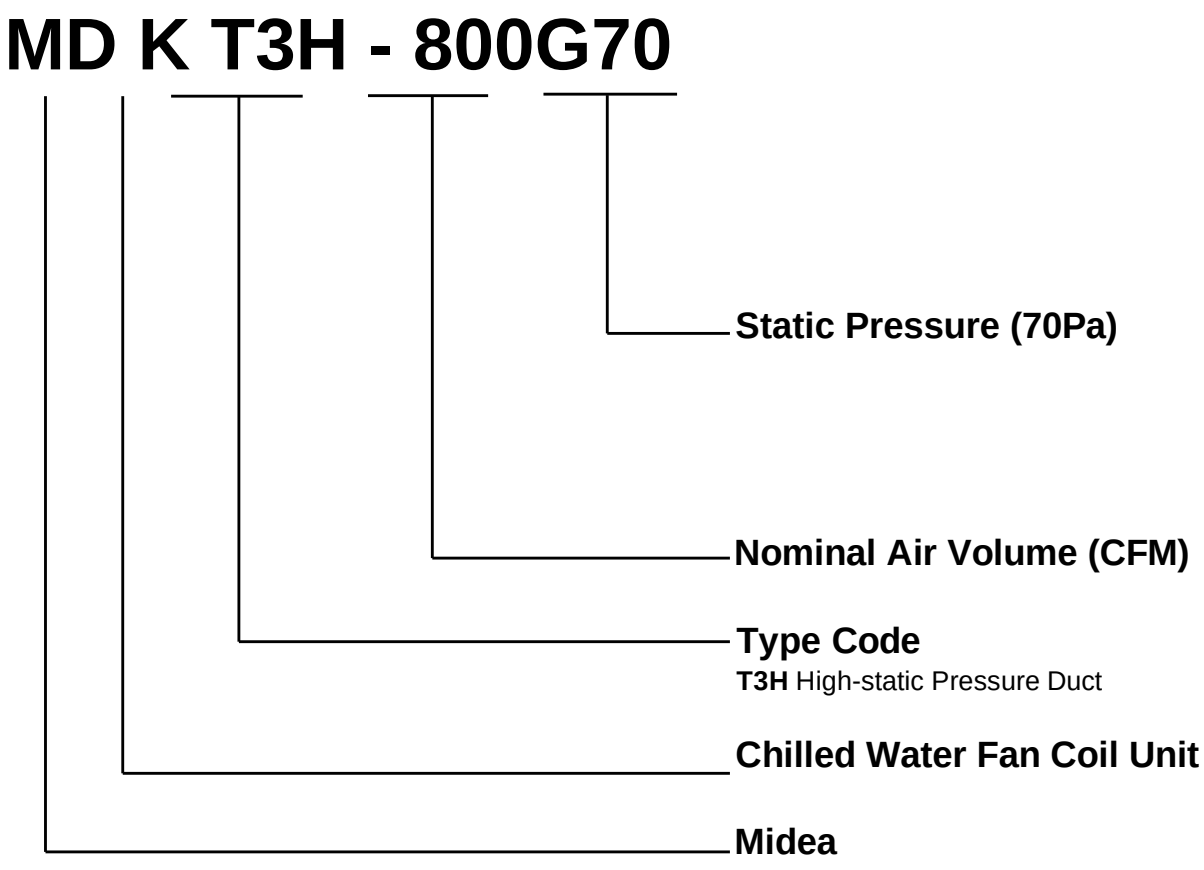
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1. Introduction

Fan coil unit is a kind of compound device which assemble fan and surface-type coil heating-exchanger together. Fan coil with fresh air supply system is a main type of center air-conditioner system, so it is an important component of AC devices. Fan coil has horizontal type, vertical type, etc. A cooling (heating) supply system usually consists of fan coil terminals and chilled water system (heated water system).

Midea® commercial AC fan coil is designed and manufactured on the base of advanced technology, and utilize qualified galvanized iron as material. Due to its supper-thin design, it has such advantages: beautiful outlook, space saving, easy installation, etc. And the most obvious advantage is that it can decrease the outlet air Temp-difference as low as possible to make room more comfortable, as well as don't decrease cooling capacity output. For the large air flow volume design, it can increase room ventilation frequency, supply more flesh air, and balance room temperature distribution. Benefiting from adoption of advanced material and technology, it can effectively decrease the running noise and keep running smoothly. With the advantages above, it can be widely applied in market, hospital, office building, hotel airport, etc.

2. Nomenclature



3. Product Schedule

Model	Static pressure (Pa)	Air volume (CFM)	Power supply	
MKT3H-800G70	70	800	220~240V-1Ph-50Hz	
MKT3H-1000G70		1000		
MKT3H-1200G70		1200		
MKT3H-1400G70		1400		
MKT3H-1600G100	100	1600		
MKT3H-1800G100		1800		
MKT3H-2200G100		2200		

4. External Appearance



800

1000

1200

1400



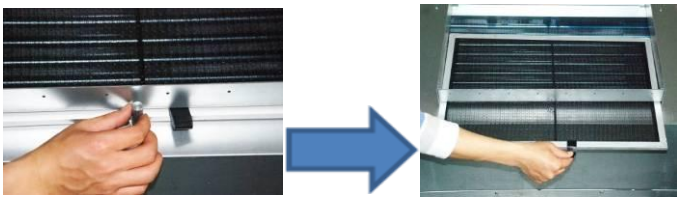
1600

1800

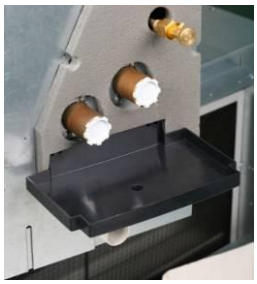
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5. Features

- High air volume, high static pressure, high capacity
- High-pressure centrifugal fans
- Easy to clean and change the air filter



- Flexible control, no standard controller, remote controller and wired controller are optional
- Standard extended drainage pan for protecting your ceiling better



- Four-speed motor with super-high speed reserved
- Pipe connection from left or right can be selected (in factory)

6. Specifications

Model MKT3H-				800G70	1000G70	1200G70	1400G70
Air flow		H/M/L	m^3/h	1360/1220/1090	1700/1530/1380	2040/1880/1610	2380/2120/1860
		H/M/L	CFM	800/720/640	1000/900/810	1200/1105/950	1400/1250/1095
External Static pressure			Pa	70			
Cooling	Capacity	H/M/L	kW	6.6/6.37/6.12	8.8/8.19/7.57	10/9.44/8.53	12/11.47/10.24
	Water flow rate	H	l/h	1135	1514	1720	2064
	Water pressure drop	H	kPa	8	24	24	36
Heating	Capacity	H/M/L	kW	9.7/8.54/7.18	13.2/11.48/9.9	15/12.9/11.25	17.9/15.75/13.6
	Water pressure drop	H	kPa	8.4	25	23.4	34.2
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	350	350	350	350
Sound pressure level		H/M/L	dB(A)	49/42/35	50/43/36	51/44/37	52/45/38
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			1			
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			1	1	1	1
Coil	Row			2	3	3	4
	Max. Working pressure		Mpa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions (*/E)	W×H×D	mm	946×400×816 / 946×400×876			
	Net weight (*/E)		kg	50/53	52/55	52/55	54/57
	Packing (*/E)	W×H×D	mm	1015×480×857 / 1015×480×925			
	Gross weight (*/E)		kg	55/58	57/60	57/60	59/62
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4"			
	Drain pipe		mm	ODΦ32			

Note:

1. H: high speed; M: medium speed; L: low speed
2. The data is the performance in 70Pa external static pressure.
3. Cooling Conditions: Entering Water 7°C, Temperature Rise 5°C, Entering Air Temperature 27°C DB,19°CWB.
   Heating Conditions: Entering Water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.
4. Noise is tested in semi-anechoic test room.
5. Hot water temperature cannot be ＞75°C.

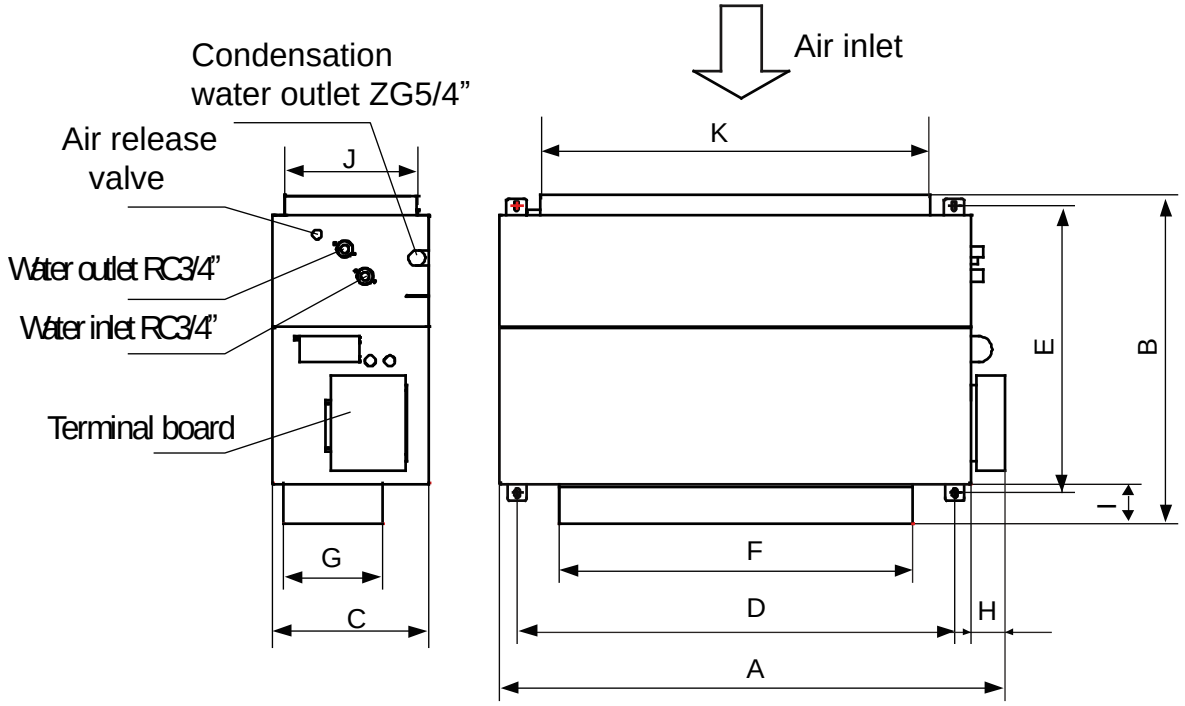
Specifications

Model MKT3H-				1600G100	1800G100	2200G100
Air flow		H/M/L	m^3/h	2720/2450/2170	3060/2750/2450	3740/3360/2990
		H/M/L	CFM	1600/1440/1280	1800/1620/1440	2200/1980/1760
External Static pressure			Pa	100		
Cooling	Capacity	H/M/L	kW	14.1/13.03/11.87	15.8/14.6/13.46	19.9/18.58/17.24
	Water flow rate	H	l/h	2425	2718	3423
	Water pressure drop	H	kPa	52	90	130
Heating	Capacity	H/M/L	kW	21.2/18.23/15.69	23.8/20.94/17.85	30/26.7/22.5
	Water pressure drop	H	kPa	51	85	121
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	550	800	950
Sound pressure level		H/M/L	dB(A)	54/47/40	60/53/46	61/54/47
Fan motor	Type			Low noise 4-speed fan motor		
	Quantity			1		
Fan	Type			Centrifugal, forward-curved Blades		
	Quantity			2	2	2
Coil	Row			3	3	3
	Max. Working pressure		Mpa	1.6		
	Diameter		mm	Φ9.52		
Body	Dimensions (*/E)	W×H×D	mm	1290×400×809 / 1290×400×874		
	Net weight (*/E)		kg	76/82		
	Packing (*/E)	W×H×D	mm	1368×460×877 / 1368×460×950		
	Gross weight (*/E)		kg	83/89		
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4"		
	Drain pipe		mm	ODΦ32		

Note:

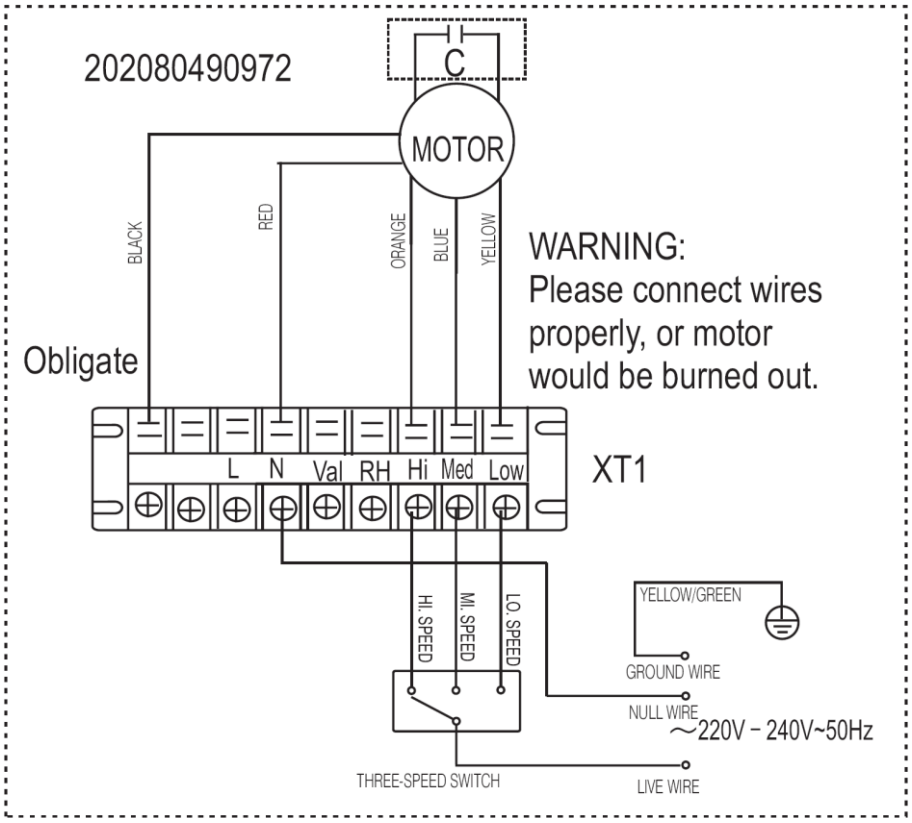
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   Heating Conditions: Entering Water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.
4. Noise is tested in semi-anechoic test room.
5. Hot water temperature cannot be ＞75°C.

7. Dimension



Model / Size	MKT3H-800G70 MKT3H-1000G70 MKT3H-1200G70 MKT3H-1400G70		MKT3H-1600G70 MKT3H-1800G70 MKT3H-2200G70	
A	946		1290	
B	816		809	
C	400		400	
D	778		1118	
E	767		765	
F	306		900	
G	219		249	
H	88		88	
I	37		39	
J	338		320	
K	512		995	

8. Wiring Diagrams



9. Capacity Tables

Cooling Capacity:

Remark: **EWT:** Enter Water Temp. (℃); **Δt:** Temperature Difference (℃)

DB: Dry Bulb Temp. (℃); **WB:** Wet Bulb Temp. (℃);

TC: Total Cooling Capacity (kW); **SC:** Sensible Cooling Capacity (kW);

WF: Water Flow (m^3/h); **WPD:** Water Pressure Drop (kPa)

MKT3H-800G70																							
EWT	Δt	Air inlet condition																					
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	8.41	5.07	2.41	36.1	7.71	5.57	2.21	30.4	8.24	5.29	2.36	34.6	8.71	5.06	2.5	38.7	9.2	4.83	2.64	43.2
	4	8.09	4.91	1.74	18.8	7.43	5.4	1.6	15.8	7.95	5.13	1.71	18.2	8.42	4.91	1.81	20.3	8.84	4.67	1.9	22.4
	5	7.73	4.74	1.33	11.0	7.08	5.28	1.22	9.2	7.58	4.97	1.3	10.6	8.09	4.73	1.39	12.0	8.5	7.34	1.46	13.3
	6	7.39	4.61	1.06	7.0	6.73	5.1	0.97	5.8	7.25	4.8	1.04	6.7	7.75	4.55	1.11	7.7	8.12	4.32	1.16	8.4
	7	7.03	4.39	0.86	4.6	6.36	4.97	0.78	3.8	6.87	4.64	0.84	4.4	7.37	4.39	0.91	5.1	7.78	4.15	0.96	5.7
6	3	7.93	4.87	2.27	32.1	7.23	5.36	2.07	26.7	7.75	5.08	2.22	30.7	8.26	4.84	2.37	34.8	8.73	4.61	2.5	38.9
	4	7.62	4.7	1.64	16.7	6.9	5.19	1.48	13.7	7.44	4.9	1.6	15.9	7.93	4.69	1.71	18.1	8.38	4.46	1.8	20.2
	5	7.25	4.52	1.25	9.7	6.59	5.05	1.13	8.0	7.1	4.76	1.22	9.3	7.57	4.49	1.3	10.5	8.05	4.29	1.38	11.9
	6	6.9	4.39	0.99	6.1	6.25	4.88	0.9	5.0	6.74	4.58	0.97	5.8	7.25	4.31	1.04	6.7	7.65	4.1	1.1	7.5
	7	6.54	4.19	0.8	4.0	5.86	4.75	0.72	3.2	6.38	4.46	0.78	3.8	6.84	4.17	0.84	4.4	7.3	3.92	0.9	5.0
7	3	7.41	4.63	2.12	28.0	6.72	5.15	1.93	23.1	7.25	4.87	2.08	26.8	7.78	4.62	2.23	30.9	8.22	4.38	2.36	34.5
	4	7.1	4.47	1.53	14.5	6.37	5.04	1.37	11.7	6.91	4.7	1.49	13.7	7.43	4.47	1.6	15.8	7.9	4.24	1.7	17.9
	5	6.74	4.3	1.16	8.4	6.05	4.88	1.04	6.7	6.6	4.54	1.14	8.0	7.08	4.27	1.22	9.2	7.51	4.07	1.29	10.4
	6	6.39	4.18	0.92	5.2	5.7	4.72	0.82	4.1	6.28	4.38	0.9	5.0	6.75	4.1	0.97	5.8	7.17	3.89	1.03	6.6
	7	6.05	3.99	0.74	3.4	5.31	4.55	0.65	2.7	5.85	4.25	0.72	3.2	6.35	3.97	0.78	3.8	6.79	3.72	0.83	4.3
8	3	6.9	4.43	1.98	24.3	6.16	4.97	1.77	19.4	6.74	4.64	1.93	23.2	7.26	4.38	2.08	26.9	7.72	4.14	2.21	30.4
	4	6.6	4.28	1.42	12.5	5.86	4.81	1.26	9.8	6.4	4.53	1.38	11.8	6.9	4.24	1.48	13.7	7.35	4.02	1.58	15.5
	5	6.27	4.1	1.08	7.2	5.5	4.67	0.95	5.6	6.08	4.34	1.05	6.8	6.59	4.09	1.13	8.0	7.04	3.86	1.21	9.1
	6	5.86	3.97	0.84	4.4	5.14	4.54	0.74	3.4	5.74	4.19	0.82	4.2	6.25	3.9	0.9	5.0	6.69	3.68	0.96	5.7
	7	5.51	3.79	0.68	2.9	4.77	4.35	0.59	2.1	5.34	4.05	0.66	2.7	5.85	3.75	0.72	3.2	6.26	3.52	0.77	3.7
9	3	6.42	4.23	1.84	21.0	5.65	4.78	1.62	16.3	6.24	4.44	1.79	19.9	6.77	4.16	1.94	23.4	7.21	3.94	2.07	26.5
	4	6.06	4.08	1.3	10.5	5.31	4.64	1.14	8.1	5.88	4.3	1.26	9.9	6.38	4.05	1.37	11.7	6.84	3.8	1.47	13.4
	5	5.73	3.9	0.99	6.0	4.91	4.53	0.85	4.4	5.55	4.16	0.96	5.7	6.05	3.88	1.04	6.7	6.5	3.63	1.12	7.8
	6	5.35	3.76	0.77	3.7	4.54	4.39	0.65	2.6	5.16	4.03	0.74	3.4	5.71	3.7	0.82	4.2	6.16	3.46	0.88	4.8
	7	4.95	3.58	0.61	2.3	4.24	/	0.52	1.7	4.78	3.85	0.59	2.1	5.3	3.58	0.65	2.6	5.73	3.3	0.7	3.1
10	3	5.89	4.01	1.69	17.7	5.07	4.6	1.45	13.1	5.65	4.28	1.62	16.3	6.22	3.99	1.78	19.7	6.7	3.73	1.92	22.9
	4	5.52	3.86	1.19	8.8	4.69	4.5	1.01	6.3	5.33	4.13	1.15	8.2	5.88	3.84	1.26	9.9	6.31	3.59	1.36	11.4
	5	5.16	3.73	0.89	4.9	4.39	/	0.76	3.5	4.94	4	0.85	4.5	5.5	3.69	0.95	5.6	5.98	3.43	1.03	6.6
	6	4.81	3.57	0.69	3.0	4.16	/	0.6	2.2	4.59	3.85	0.66	2.7	5.14	3.49	0.74	3.4	5.59	3.26	0.8	4.0
	7	4.39	3.42	0.54	1.8	3.91	/	0.48	1.4	4.18	3.7	0.51	1.6	4.71	3.38	0.58	2.1	5.23	3.1	0.64	2.6
11	3	5.31	3.83	1.52	14.4	4.5	/	1.29	10.4	5.12	4.08	1.47	13.4	5.66	3.81	1.62	16.3	6.16	3.53	1.77	19.4
	4	4.98	3.7	1.07	7.1	4.29	/	0.92	5.3	4.78	3.92	1.03	6.6	5.32	3.63	1.14	8.1	5.82	3.39	1.25	9.7
	5	4.6	3.55	0.79	3.9	4.08	/	0.7	3.1	4.39	3.83	0.76	3.5	4.95	3.48	0.85	4.5	5.44	3.23	0.94	5.4
	6	4.19	3.41	0.6	2.2	3.82	/	0.55	1.9	4.03	3.66	0.58	2.1	4.57	3.36	0.66	2.7	5.05	3.07	0.72	3.3
	7	3.73	3.29	0.46	1.3	3.6	/	0.44	1.2	3.6	/	0.44	1.2	4.14	3.19	0.51	1.6	4.65	2.89	0.57	2.0
12	3	4.75	3.65	1.36	11.5	4.17	/	1.2	8.9	4.52	3.93	1.3	10.4	5.12	3.59	1.47	13.4	5.6	3.34	1.61	16.0
	4	4.4	3.52	0.95	5.6	3.97	/	0.85	4.5	4.18	3.8	0.9	5.0	4.76	3.46	1.02	6.5	5.27	3.19	1.13	8.0
	5	4.02	3.4	0.69	3.0	3.8	/	0.65	2.7	3.81	3.68	0.66	2.7	4.39	3.33	0.76	3.5	4.89	3.05	0.84	4.4
	6	3.57	3.29	0.51	1.6	3.53	/	0.51	1.6	3.53	3.47	0.51	1.6	3.98	3.19	0.57	2.0	4.48	2.88	0.64	2.6
	7	3.16	/	0.39	0.9	3.29	/	0.4	1.0	3.26	/	0.4	1.0	3.48	3.03	0.43	1.1	4.07	2.7	0.5	1.6
13	3	4.15	3.49	1.19	8.8	3.85	/	1.1	7.6	3.91	3.78	1.12	7.8	4.51	3.42	1.29	10.4	5.05	3.15	1.45	13.0
	4	3.8	3.35	0.82	4.1	3.67	/	0.79	3.9	3.67	3.6	0.79	3.9	4.15	3.33	0.89	5.0	4.69	3	1.01	6.3
	5	3.39	3.31	0.58	2.1	3.42	/	0.59	2.2	3.43	/	0.59	2.2	3.79	3.17	0.65	2.6	4.31	2.86	0.74	3.4
	6	3.09	/	0.44	1.2	3.19	/	0.46	1.3	3.19	/	0.46	1.3	3.34	3.06	0.48	1.4	3.9	2.7	0.56	1.9
	7	2.82	/	0.35	0.7	2.92	/	0.36	0.8	2.93	/	0.36	0.8	2.93	2.87	0.36	0.8	3.41	2.55	0.42	1.1

Cooling capacity

MKT3H-1000G70																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	11.21	6.76	3.21	108.2	10.29	7.43	2.95	91.1	10.98	7.05	3.15	103.9	11.62	6.74	3.33	116.2	12.27	6.44	3.52	129.5
	4	10.78	6.55	2.32	56.3	9.9	7.2	2.13	47.5	10.6	6.84	2.28	54.4	11.23	6.55	2.41	61.0	11.78	6.22	2.53	67.3
	5	10.31	6.32	1.77	33.0	9.43	7.03	1.62	27.6	10.11	6.63	1.74	31.7	10.78	6.31	1.85	36.0	11.33	9.79	1.95	39.8
	6	9.85	6.15	1.41	20.9	8.98	6.79	1.29	17.4	9.66	6.4	1.39	20.1	10.34	6.07	1.48	23.0	10.83	5.77	1.55	25.3
	7	9.37	5.85	1.15	13.9	8.48	6.63	1.04	11.4	9.16	6.18	1.12	13.3	9.83	5.85	1.21	15.3	10.37	5.54	1.27	17.0
6	3	10.58	6.49	3.03	96.3	9.64	7.15	2.76	80.0	10.34	6.77	2.96	92.0	11.01	6.45	3.16	104.4	11.64	6.15	3.34	116.7
	4	10.16	6.26	2.18	50.0	9.21	6.92	1.98	41.0	9.92	6.54	2.13	47.6	10.58	6.25	2.27	54.2	11.17	5.94	2.4	60.5
	5	9.66	6.03	1.66	28.9	8.79	6.73	1.51	23.9	9.47	6.35	1.63	27.8	10.1	5.98	1.74	31.6	10.73	5.71	1.85	35.7
	6	9.21	5.85	1.32	18.2	8.33	6.5	1.19	14.9	8.99	6.11	1.29	17.4	9.66	5.75	1.39	20.1	10.2	5.46	1.46	22.4
	7	8.72	5.59	1.07	12.0	7.81	6.34	0.96	9.6	8.51	5.94	1.05	11.5	9.12	5.56	1.12	13.1	9.74	5.23	1.2	15.0
7	3	9.88	6.17	2.83	84.0	8.97	6.87	2.57	69.2	9.66	6.49	2.77	80.4	10.37	6.16	2.97	92.7	10.96	5.84	3.14	103.4
	4	9.47	5.96	2.04	43.5	8.5	6.72	1.83	35.0	9.22	6.27	1.98	41.2	9.9	5.96	2.13	47.5	10.53	5.65	2.26	53.7
	5	8.99	5.74	1.55	25.1	8.06	6.5	1.39	20.2	8.8	6.06	1.51	24.0	9.43	5.69	1.62	27.6	10.02	5.42	1.72	31.1
	6	8.52	5.57	1.22	15.6	7.59	6.3	1.09	12.4	8.37	5.84	1.2	15.1	9	5.47	1.29	17.5	9.56	5.18	1.37	19.7
	7	8.06	5.32	0.99	10.3	7.09	6.07	0.87	7.9	7.8	5.66	0.96	9.6	8.47	5.3	1.04	11.3	9.05	4.97	1.11	13.0
8	3	9.21	5.9	2.64	73.0	8.22	6.63	2.36	58.1	8.99	6.18	2.58	69.6	9.68	5.84	2.77	80.6	10.3	5.52	2.95	91.3
	4	8.8	5.7	1.89	37.5	7.81	6.41	1.68	29.5	8.53	6.04	1.83	35.3	9.21	5.65	1.98	41.0	9.8	5.36	2.11	46.5
	5	8.36	5.46	1.44	21.6	7.33	6.22	1.26	16.6	8.1	5.79	1.39	20.3	8.79	5.45	1.51	23.9	9.38	5.14	1.61	27.3
	6	7.81	5.3	1.12	13.1	6.86	6.06	0.98	10.1	7.66	5.59	1.1	12.6	8.33	5.21	1.19	14.9	8.91	4.9	1.28	17.1
	7	7.35	5.05	0.9	8.6	6.36	5.8	0.78	6.4	7.12	5.4	0.88	8.0	7.8	5	0.96	9.6	8.34	4.7	1.02	11.0
9	3	8.56	5.64	2.45	63.1	7.53	6.37	2.16	48.8	8.32	5.92	2.38	59.6	9.03	5.55	2.59	70.2	9.61	5.26	2.76	79.6
	4	8.08	5.43	1.74	31.6	7.09	6.18	1.52	24.3	7.83	5.74	1.68	29.7	8.51	5.4	1.83	35.1	9.12	5.07	1.96	40.3
	5	7.64	5.21	1.31	18.1	6.55	6.04	1.13	13.3	7.4	5.55	1.27	17.0	8.06	5.17	1.39	20.2	8.67	4.84	1.49	23.3
	6	7.14	5.02	1.02	11.0	6.06	5.85	0.87	7.9	6.88	5.37	0.99	10.2	7.62	4.93	1.09	12.5	8.22	4.61	1.18	14.5
	7	6.6	4.77	0.81	6.9	5.65	/	0.69	5.1	6.37	5.13	0.78	6.4	7.06	4.77	0.87	7.9	7.64	4.41	0.94	9.2
10	3	7.85	5.35	2.25	53.0	6.76	6.13	1.94	39.3	7.53	5.7	2.16	48.8	8.29	5.32	2.38	59.2	8.94	4.98	2.56	68.8
	4	7.37	5.14	1.58	26.3	6.25	6.01	1.34	18.9	7.11	5.51	1.53	24.5	7.83	5.12	1.68	29.7	8.42	4.79	1.81	34.3
	5	6.88	4.98	1.18	14.7	5.85	/	1.01	10.6	6.59	5.33	1.13	13.5	7.34	4.91	1.26	16.7	7.97	4.57	1.37	19.7
	6	6.41	4.76	0.92	8.9	5.55	/	0.8	6.6	6.12	5.13	0.88	8.1	6.86	4.65	0.98	10.1	7.45	4.34	1.07	12.0
	7	5.85	4.56	0.72	5.4	5.22	/	0.64	4.3	5.57	4.94	0.68	4.9	6.29	4.51	0.77	6.3	6.97	4.13	0.86	7.7
11	3	7.09	5.1	2.03	43.2	6.01	/	1.72	31.1	6.83	5.43	1.96	40.2	7.54	5.08	2.16	49.0	8.22	4.71	2.36	58.1
	4	6.64	4.93	1.43	21.4	5.71	/	1.23	15.8	6.37	5.23	1.37	19.7	7.1	4.84	1.53	24.4	7.76	4.52	1.67	29.2
	5	6.13	4.74	1.05	11.7	5.43	/	0.93	9.2	5.85	5.1	1.01	10.6	6.6	4.63	1.14	13.5	7.25	4.3	1.25	16.3
	6	5.59	4.55	0.8	6.7	5.09	/	0.73	5.6	5.37	4.88	0.77	6.2	6.1	4.48	0.87	8.0	6.73	4.09	0.96	9.8
	7	4.98	4.38	0.61	3.9	4.8	/	0.59	3.6	4.8	/	0.59	3.6	5.52	4.25	0.68	4.8	6.2	3.85	0.76	6.1
12	3	6.34	4.86	1.82	34.6	5.56	/	1.59	26.6	6.03	5.24	1.73	31.3	6.83	4.79	1.96	40.2	7.47	4.46	2.14	48.0
	4	5.87	4.7	1.26	16.7	5.3	/	1.14	13.6	5.57	5.07	1.2	15.1	6.35	4.61	1.37	19.5	7.02	4.25	1.51	23.9
	5	5.36	4.53	0.92	8.9	5.07	/	0.87	8.0	5.08	4.9	0.87	8.0	5.85	4.44	1.01	10.6	6.51	4.06	1.12	13.2
	6	4.76	4.38	0.68	4.9	4.71	/	0.68	4.8	4.71	4.62	0.68	4.8	5.31	4.25	0.76	6.1	5.97	3.83	0.86	7.7
	7	4.22	/	0.52	2.8	4.38	/	0.54	3.0	4.34	/	0.53	3.0	4.63	4.04	0.57	3.4	5.42	3.61	0.67	4.7
13	3	5.54	4.65	1.59	26.4	5.13	/	1.47	22.7	5.22	5.04	1.5	23.5	6.02	4.56	1.73	31.2	6.73	4.2	1.93	39.0
	4	5.07	4.47	1.09	12.4	4.89	/	1.05	11.6	4.89	4.8	1.05	11.6	5.54	4.44	1.19	14.8	6.25	4	1.34	18.9
	5	4.52	4.42	0.78	6.3	4.56	/	0.78	6.4	4.57	/	0.79	6.5	5.05	4.23	0.87	7.9	5.75	3.81	0.99	10.3
	6	4.11	/	0.59	3.6	4.25	/	0.61	3.9	4.25	/	0.61	3.9	4.46	4.08	0.64	4.3	5.19	3.61	0.74	5.8
	7	3.76	/	0.46	2.2	3.9	/	0.48	2.4	3.91	/	0.48	2.4	3.91	3.82	0.48	2.4	4.55	3.4	0.56	3.3

Cooling capacity

MKT3H-1200G70																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	12.74	7.68	3.65	108.2	11.69	8.44	3.35	91.1	12.48	8.01	3.58	103.9	13.2	7.66	3.78	116.2	13.94	7.32	4	129.5
	4	12.25	7.45	2.63	56.3	11.26	8.18	2.42	47.5	12.05	7.78	2.59	54.4	12.76	7.45	2.74	61.0	13.39	7.07	2.88	67.3
	5	11.72	7.19	2.02	33.0	10.72	7.99	1.84	27.6	11.49	7.53	1.98	31.7	12.25	7.17	2.11	36.0	12.87	11.13	2.21	39.8
	6	11.2	6.98	1.61	20.9	10.2	7.72	1.46	17.4	10.98	7.27	1.57	20.1	11.75	6.9	1.68	23.0	12.31	6.55	1.76	25.3
	7	10.65	6.65	1.31	13.9	9.64	7.53	1.18	11.4	10.4	7.03	1.28	13.3	11.17	6.65	1.37	15.3	11.79	6.29	1.45	17.0
6	3	12.02	7.37	3.45	96.3	10.95	8.12	3.14	80.0	11.75	7.69	3.37	92.0	12.51	7.33	3.59	104.4	13.23	6.98	3.79	116.7
	4	11.54	7.11	2.48	50.0	10.46	7.86	2.25	41.0	11.27	7.43	2.42	47.6	12.02	7.1	2.58	54.2	12.7	6.75	2.73	60.5
	5	10.98	6.85	1.89	28.9	9.99	7.65	1.72	23.9	10.76	7.22	1.85	27.8	11.47	6.8	1.97	31.6	12.19	6.49	2.1	35.7
	6	10.46	6.65	1.5	18.2	9.47	7.39	1.36	14.9	10.22	6.94	1.46	17.4	10.98	6.54	1.57	20.1	11.59	6.2	1.66	22.4
	7	9.91	6.35	1.22	12.0	8.87	7.2	1.09	9.6	9.67	6.75	1.19	11.5	10.36	6.32	1.27	13.1	11.07	5.95	1.36	15.0
7	3	11.23	7.01	3.22	84.0	10.19	7.81	2.92	69.2	10.98	7.37	3.15	80.4	11.79	7	3.38	92.7	12.45	6.64	3.57	103.4
	4	10.76	6.77	2.31	43.5	9.65	7.63	2.08	35.0	10.48	7.13	2.25	41.2	11.26	6.77	2.42	47.5	11.96	6.42	2.57	53.7
	5	10.22	6.52	1.76	25.1	9.16	7.39	1.58	20.2	10	6.88	1.72	24.0	10.72	6.46	1.84	27.6	11.39	6.16	1.96	31.1
	6	9.68	6.33	1.39	15.6	8.63	7.16	1.24	12.4	9.51	6.64	1.36	15.1	10.23	6.22	1.47	17.5	10.87	5.89	1.56	19.7
	7	9.16	6.05	1.13	10.3	8.05	6.9	0.99	7.9	8.86	6.44	1.09	9.6	9.62	6.02	1.18	11.3	10.29	5.64	1.26	13.0
8	3	10.46	6.71	3	73.0	9.34	7.53	2.68	58.1	10.22	7.03	2.93	69.6	11	6.64	3.15	80.6	11.7	6.28	3.35	91.3
	4	10	6.48	2.15	37.5	8.87	7.29	1.91	29.5	9.7	6.87	2.08	35.3	10.46	6.42	2.25	41.0	11.14	6.09	2.4	46.5
	5	9.49	6.2	1.63	21.6	8.33	7.07	1.43	16.6	9.21	6.58	1.58	20.3	9.99	6.19	1.72	23.9	10.66	5.84	1.83	27.3
	6	8.87	6.02	1.27	13.1	7.79	6.88	1.12	10.1	8.7	6.35	1.25	12.6	9.47	5.92	1.36	14.9	10.13	5.57	1.45	17.1
	7	8.35	5.74	1.03	8.6	7.23	6.59	0.89	6.4	8.1	6.13	0.99	8.0	8.86	5.69	1.09	9.6	9.48	5.34	1.16	11.0
9	3	9.73	6.41	2.79	63.1	8.56	7.24	2.45	48.8	9.45	6.72	2.71	59.6	10.26	6.31	2.94	70.2	10.92	5.97	3.13	79.6
	4	9.18	6.18	1.97	31.6	8.05	7.03	1.73	24.3	8.9	6.52	1.91	29.7	9.67	6.13	2.08	35.1	10.36	5.76	2.23	40.3
	5	8.69	5.92	1.49	18.1	7.45	6.87	1.28	13.3	8.41	6.31	1.45	17.0	9.16	5.87	1.58	20.2	9.86	5.5	1.7	23.3
	6	8.11	5.7	1.16	11.0	6.88	6.65	0.99	7.9	7.82	6.1	1.12	10.2	8.66	5.6	1.24	12.5	9.34	5.24	1.34	14.5
	7	7.5	5.43	0.92	6.9	6.42	/	0.79	5.1	7.24	5.83	0.89	6.4	8.02	5.43	0.99	7.9	8.69	5.01	1.07	9.2
10	3	8.92	6.08	2.56	53.0	7.68	6.97	2.2	39.3	8.56	6.48	2.45	48.8	9.42	6.05	2.7	59.2	10.16	5.66	2.91	68.8
	4	8.37	5.84	1.8	26.3	7.1	6.83	1.53	18.9	8.08	6.26	1.74	24.5	8.9	5.82	1.91	29.7	9.57	5.44	2.06	34.3
	5	7.82	5.66	1.35	14.7	6.65	/	1.14	10.6	7.49	6.06	1.29	13.5	8.34	5.58	1.43	16.7	9.06	5.19	1.56	19.7
	6	7.29	5.41	1.04	8.9	6.31	/	0.9	6.6	6.96	5.83	1	8.1	7.79	5.28	1.12	10.1	8.47	4.94	1.21	12.0
	7	6.65	5.18	0.82	5.4	5.93	/	0.73	4.3	6.33	5.61	0.78	4.9	7.14	5.12	0.88	6.3	7.92	4.69	0.97	7.7
11	3	8.05	5.8	2.31	43.2	6.83	/	1.96	31.1	7.76	6.18	2.23	40.2	8.57	5.77	2.46	49.0	9.34	5.35	2.68	58.1
	4	7.55	5.6	1.62	21.4	6.49	/	1.4	15.8	7.24	5.95	1.56	19.7	8.07	5.5	1.73	24.4	8.82	5.14	1.9	29.2
	5	6.97	5.38	1.2	11.7	6.18	/	1.06	9.2	6.65	5.8	1.14	10.6	7.5	5.27	1.29	13.5	8.24	4.89	1.42	16.3
	6	6.35	5.17	0.91	6.7	5.79	/	0.83	5.6	6.1	5.54	0.87	6.2	6.93	5.09	0.99	8.0	7.65	4.65	1.1	9.8
	7	5.66	4.98	0.69	3.9	5.45	/	0.67	3.6	5.45	/	0.67	3.6	6.28	4.83	0.77	4.8	7.04	4.37	0.87	6.1
12	3	7.2	5.53	2.06	34.6	6.32	/	1.81	26.6	6.85	5.96	1.96	31.3	7.76	5.44	2.23	40.2	8.48	5.06	2.43	48.0
	4	6.67	5.34	1.43	16.7	6.02	/	1.29	13.6	6.33	5.76	1.36	15.1	7.22	5.24	1.55	19.5	7.98	4.83	1.72	23.9
	5	6.09	5.15	1.05	8.9	5.76	/	0.99	8.0	5.77	5.57	0.99	8.0	6.65	5.05	1.14	10.6	7.4	4.62	1.27	13.2
	6	5.41	4.98	0.78	4.9	5.35	/	0.77	4.8	5.35	5.25	0.77	4.8	6.03	4.83	0.86	6.1	6.78	4.36	0.97	7.7
	7	4.79	/	0.59	2.8	4.98	/	0.61	3.0	4.94	/	0.61	3.0	5.27	4.59	0.65	3.4	6.16	4.1	0.76	4.7
13	3	6.29	5.28	1.8	26.4	5.83	/	1.67	22.7	5.93	5.73	1.7	23.5	6.84	5.18	1.96	31.2	7.65	4.78	2.19	39.0
	4	5.76	5.08	1.24	12.4	5.56	/	1.19	11.6	5.56	5.45	1.19	11.6	6.29	5.05	1.35	14.8	7.1	4.55	1.53	18.9
	5	5.14	5.02	0.88	6.3	5.18	/	0.89	6.4	5.19	/	0.89	6.5	5.74	4.81	0.99	7.9	6.54	4.33	1.12	10.3
	6	4.68	/	0.67	3.6	4.83	/	0.69	3.9	4.83	/	0.69	3.9	5.06	4.63	0.73	4.3	5.9	4.1	0.85	5.8
	7	4.27	/	0.52	2.2	4.43	/	0.54	2.4	4.44	/	0.55	2.4	4.44	4.34	0.55	2.4	5.17	3.87	0.63	3.3

Cooling capacity

MKT3H-1400G70																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	15.29	9.21	4.38	162.4	14.03	10.13	4.02	136.6	14.98	9.61	4.29	155.8	15.84	9.19	4.54	174.3	16.73	8.78	4.8	194.3
	4	14.7	8.94	3.16	84.4	13.51	9.82	2.9	71.3	14.46	9.33	3.11	81.7	15.31	8.94	3.29	91.5	16.07	8.48	3.45	100.9
	5	14.06	8.62	2.42	49.4	12.87	9.59	2.21	41.4	13.78	9.04	2.37	47.5	14.7	8.61	2.53	54.0	15.45	13.35	2.66	59.6
	6	13.44	8.38	1.93	31.4	12.24	9.26	1.75	26.0	13.18	8.73	1.89	30.2	14.1	8.28	2.02	34.5	14.77	7.86	2.12	37.9
	7	12.78	7.98	1.57	20.8	11.57	9.04	1.42	17.1	12.48	8.43	1.53	19.9	13.4	7.98	1.65	22.9	14.15	7.55	1.74	25.5
6	3	14.42	8.85	4.13	144.5	13.14	9.75	3.77	120.0	14.1	9.23	4.04	138.0	15.01	8.8	4.3	156.5	15.88	8.38	4.55	175.1
	4	13.85	8.54	2.98	75.0	12.55	9.44	2.7	61.6	13.52	8.92	2.91	71.4	14.42	8.52	3.1	81.3	15.24	8.1	3.28	90.7
	5	13.18	8.23	2.27	43.4	11.98	9.18	2.06	35.9	12.92	8.66	2.22	41.7	13.77	8.16	2.37	47.4	14.63	7.79	2.52	53.5
	6	12.55	7.98	1.8	27.4	11.36	8.87	1.63	22.4	12.26	8.33	1.76	26.1	13.18	7.84	1.89	30.2	13.9	7.45	1.99	33.6
	7	11.9	7.62	1.46	18.1	10.65	8.64	1.31	14.5	11.6	8.1	1.43	17.2	12.43	7.58	1.53	19.7	13.28	7.13	1.63	22.5
7	3	13.47	8.42	3.86	126.0	12.23	9.37	3.5	103.8	13.18	8.85	3.78	120.6	14.15	8.4	4.06	139.0	14.94	7.97	4.28	155.1
	4	12.92	8.12	2.78	65.2	11.58	9.16	2.49	52.4	12.57	8.55	2.7	61.7	13.51	8.12	2.9	71.3	14.35	7.71	3.09	80.5
	5	12.26	7.83	2.11	37.6	11	8.87	1.89	30.2	12	8.26	2.06	36.0	12.87	7.76	2.21	41.4	13.66	7.39	2.35	46.7
	6	11.62	7.6	1.67	23.4	10.35	8.59	1.48	18.6	11.41	7.97	1.64	22.6	12.28	7.46	1.76	26.2	13.04	7.06	1.87	29.5
	7	11	7.26	1.35	15.4	9.66	8.28	1.19	11.9	10.63	7.72	1.31	14.4	11.55	7.22	1.42	17.0	12.35	6.77	1.52	19.4
8	3	12.55	8.05	3.6	109.5	11.2	9.04	3.21	87.2	12.26	8.43	3.51	104.4	13.19	7.97	3.78	120.9	14.04	7.53	4.03	137.0
	4	12	7.77	2.58	56.3	10.65	8.74	2.29	44.3	11.64	8.24	2.5	52.9	12.55	7.71	2.7	61.6	13.37	7.31	2.87	69.8
	5	11.39	7.45	1.96	32.5	9.99	8.48	1.72	25.0	11.05	7.9	1.9	30.5	11.98	7.43	2.06	35.9	12.8	7.01	2.2	40.9
	6	10.65	7.22	1.53	19.7	9.35	8.26	1.34	15.2	10.44	7.62	1.5	18.9	11.36	7.1	1.63	22.4	12.16	6.68	1.74	25.7
	7	10.03	6.89	1.23	12.8	8.68	7.91	1.07	9.6	9.71	7.36	1.19	12.0	10.63	6.82	1.31	14.4	11.38	6.41	1.4	16.5
9	3	11.67	7.69	3.35	94.6	10.27	8.69	2.94	73.2	11.34	8.07	3.25	89.3	12.31	7.57	3.53	105.3	13.11	7.17	3.76	119.3
	4	11.01	7.41	2.37	47.4	9.66	8.43	2.08	36.5	10.68	7.83	2.3	44.6	11.6	7.36	2.49	52.6	12.43	6.91	2.67	60.4
	5	10.42	7.1	1.79	27.2	8.94	8.24	1.54	20.0	10.1	7.57	1.74	25.5	11	7.05	1.89	30.2	11.83	6.6	2.03	35.0
	6	9.73	6.84	1.39	16.4	8.26	7.98	1.18	11.8	9.39	7.32	1.35	15.3	10.39	6.72	1.49	18.7	11.2	6.29	1.61	21.8
	7	9	6.51	1.11	10.3	7.71	/	0.95	7.6	8.69	7	1.07	9.6	9.63	6.51	1.18	11.8	10.42	6.01	1.28	13.9
10	3	10.7	7.29	3.07	79.5	9.21	8.36	2.64	58.9	10.27	7.77	2.94	73.2	11.31	7.26	3.24	88.8	12.19	6.79	3.49	103.2
	4	10.04	7.01	2.16	39.4	8.52	8.19	1.83	28.4	9.7	7.52	2.08	36.7	10.68	6.98	2.3	44.6	11.48	6.53	2.47	51.5
	5	9.39	6.79	1.61	22.0	7.98	/	1.37	15.9	8.99	7.27	1.55	20.2	10.01	6.7	1.72	25.0	10.87	6.23	1.87	29.6
	6	8.74	6.49	1.25	13.3	7.57	/	1.08	9.9	8.35	7	1.2	12.1	9.35	6.34	1.34	15.2	10.16	5.92	1.46	17.9
	7	7.98	6.22	0.98	8.1	7.12	/	0.87	6.5	7.6	6.74	0.93	7.4	8.57	6.15	1.05	9.4	9.51	5.63	1.17	11.5
11	3	9.66	6.96	2.77	64.8	8.19	/	2.35	46.6	9.32	7.41	2.67	60.3	10.29	6.93	2.95	73.5	11.2	6.42	3.21	87.2
	4	9.06	6.72	1.95	32.0	7.79	/	1.68	23.7	8.69	7.13	1.87	29.5	9.68	6.6	2.08	36.6	10.58	6.16	2.27	43.7
	5	8.36	6.46	1.44	17.5	7.41	/	1.27	13.7	7.98	6.96	1.37	15.9	9	6.32	1.55	20.3	9.89	5.87	1.7	24.4
	6	7.62	6.2	1.09	10.1	6.94	/	1	8.4	7.32	6.65	1.05	9.3	8.31	6.11	1.19	12.0	9.18	5.58	1.32	14.6
	7	6.79	5.97	0.83	5.9	6.55	/	0.8	5.5	6.55	/	0.8	5.5	7.53	5.8	0.93	7.2	8.45	5.25	1.04	9.1
12	3	8.64	6.63	2.48	51.9	7.58	/	2.17	40.0	8.23	7.15	2.36	47.0	9.32	6.53	2.67	60.3	10.18	6.08	2.92	72.0
	4	8	6.41	1.72	25.0	7.22	/	1.55	20.4	7.6	6.91	1.63	22.6	8.66	6.29	1.86	29.3	9.58	5.8	2.06	35.8
	5	7.31	6.18	1.26	13.4	6.91	/	1.19	11.9	6.93	6.68	1.19	12.0	7.98	6.06	1.37	15.9	8.88	5.54	1.53	19.7
	6	6.49	5.97	0.93	7.3	6.42	/	0.92	7.2	6.42	6.3	0.92	7.2	7.24	5.8	1.04	9.1	8.14	5.23	1.17	11.5
	7	5.75	/	0.71	4.2	5.97	/	0.73	4.6	5.92	/	0.73	4.5	6.32	5.51	0.78	5.1	7.39	4.92	0.91	7.0
13	3	7.55	6.34	2.16	39.6	7	/	2.01	34.0	7.12	6.87	2.04	35.2	8.21	6.22	2.35	46.8	9.18	5.73	2.63	58.5
	4	6.91	6.1	1.49	18.7	6.67	/	1.43	17.4	6.67	6.55	1.43	17.4	7.55	6.06	1.62	22.3	8.52	5.45	1.83	28.4
	5	6.16	6.03	1.06	9.5	6.22	/	1.07	9.7	6.23	/	1.07	9.7	6.89	5.77	1.19	11.9	7.84	5.19	1.35	15.4
	6	5.61	/	0.8	5.5	5.8	/	0.83	5.8	5.8	/	0.83	5.8	6.08	5.56	0.87	6.4	7.08	4.92	1.02	8.7
	7	5.13	/	0.63	3.4	5.32	/	0.65	3.6	5.33	/	0.66	3.6	5.33	5.21	0.66	3.6	6.2	4.64	0.76	4.9

Cooling capacity

MKT3H-1600G100																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	17.97	10.82	5.15	234.5	16.48	11.9	4.72	197.3	17.6	11.29	5.05	225.0	18.62	10.8	5.34	251.8	19.65	10.32	5.63	280.7
	4	17.27	10.5	3.71	122.0	15.87	11.54	3.41	102.9	16.99	10.97	3.65	118.0	17.99	10.5	3.87	132.2	18.88	9.97	4.06	145.7
	5	16.52	10.13	2.84	71.4	15.12	11.27	2.6	59.8	16.2	10.62	2.79	68.6	17.27	10.11	2.97	78.1	18.15	15.69	3.12	86.2
	6	15.79	9.85	2.26	45.3	14.38	10.89	2.06	37.6	15.48	10.25	2.22	43.6	16.56	9.73	2.37	49.8	17.36	9.24	2.49	54.7
	7	15.02	9.38	1.84	30.1	13.59	10.62	1.67	24.7	14.67	9.91	1.8	28.7	15.75	9.38	1.93	33.1	16.62	8.87	2.04	36.9
6	3	16.95	10.4	4.86	208.7	15.44	11.45	4.43	173.3	16.56	10.84	4.75	199.3	17.64	10.34	5.06	226.1	18.66	9.85	5.35	252.9
	4	16.28	10.03	3.5	108.3	14.75	11.09	3.17	88.9	15.89	10.48	3.42	103.2	16.95	10.01	3.64	117.4	17.9	9.52	3.85	131.0
	5	15.48	9.66	2.66	62.7	14.08	10.78	2.42	51.9	15.18	10.17	2.61	60.3	16.18	9.58	2.78	68.4	17.19	9.16	2.96	77.3
	6	14.75	9.38	2.11	39.5	13.35	10.42	1.91	32.4	14.41	9.79	2.06	37.7	15.48	9.22	2.22	43.6	16.34	8.75	2.34	48.5
	7	13.98	8.95	1.72	26.1	12.51	10.15	1.54	20.9	13.63	9.52	1.67	24.8	14.61	8.91	1.79	28.5	15.61	8.38	1.92	32.5
7	3	15.83	9.89	4.54	182.1	14.36	11.01	4.12	149.9	15.48	10.4	4.44	174.2	16.62	9.87	4.77	200.8	17.56	9.36	5.03	224.0
	4	15.18	9.54	3.26	94.2	13.61	10.76	2.93	75.7	14.77	10.05	3.18	89.2	15.87	9.54	3.41	102.9	16.87	9.05	3.63	116.3
	5	14.41	9.2	2.48	54.3	12.92	10.42	2.22	43.7	14.1	9.71	2.43	52.0	15.12	9.12	2.6	59.8	16.05	8.69	2.76	67.4
	6	13.65	8.93	1.96	33.9	12.17	10.09	1.74	26.9	13.41	9.36	1.92	32.7	14.43	8.77	2.07	37.8	15.32	8.3	2.2	42.6
	7	12.92	8.53	1.59	22.3	11.35	9.73	1.39	17.2	12.49	9.07	1.53	20.8	13.57	8.48	1.67	24.6	14.51	7.96	1.78	28.1
8	3	14.75	9.46	4.23	158.1	13.16	10.62	3.77	125.9	14.41	9.91	4.13	150.8	15.5	9.36	4.44	174.6	16.5	8.85	4.73	197.8
	4	14.1	9.14	3.03	81.3	12.51	10.27	2.69	64.0	13.67	9.68	2.94	76.4	14.75	9.05	3.17	88.9	15.71	8.59	3.38	100.8
	5	13.39	8.75	2.3	46.9	11.74	9.97	2.02	36.1	12.98	9.28	2.23	44.1	14.08	8.73	2.42	51.9	15.04	8.24	2.59	59.1
	6	12.51	8.48	1.79	28.4	10.99	9.71	1.57	21.9	12.27	8.95	1.76	27.3	13.35	8.34	1.91	32.4	14.28	7.85	2.05	37.1
	7	11.78	8.1	1.45	18.5	10.19	9.3	1.25	13.9	11.41	8.65	1.4	17.4	12.49	8.02	1.53	20.8	13.37	7.53	1.64	23.9
9	3	13.71	9.03	3.93	136.6	12.07	10.21	3.46	105.8	13.33	9.48	3.82	129.0	14.47	8.89	4.15	152.1	15.4	8.42	4.42	172.4
	4	12.94	8.71	2.78	68.4	11.35	9.91	2.44	52.7	12.55	9.2	2.7	64.4	13.63	8.65	2.93	76.0	14.61	8.12	3.14	87.2
	5	12.25	8.34	2.11	39.2	10.5	9.68	1.81	28.8	11.86	8.89	2.04	36.8	12.92	8.28	2.22	43.7	13.9	7.75	2.39	50.5
	6	11.43	8.04	1.64	23.8	9.71	9.38	1.39	17.1	11.03	8.61	1.58	22.1	12.21	7.89	1.75	27.1	13.16	7.39	1.89	31.5
	7	10.58	7.65	1.3	14.9	9.05	/	1.11	10.9	10.21	8.22	1.25	13.9	11.31	7.65	1.39	17.1	12.25	7.06	1.5	20.0
10	3	12.57	8.57	3.6	114.9	10.82	9.83	3.1	85.1	12.07	9.14	3.46	105.8	13.29	8.53	3.81	128.3	14.32	7.98	4.11	149.1
	4	11.8	8.24	2.54	56.9	10.01	9.62	2.15	41.0	11.39	8.83	2.45	53.1	12.55	8.2	2.7	64.4	13.49	7.67	2.9	74.4
	5	11.03	7.98	1.9	31.8	9.38	/	1.61	23.0	10.56	8.55	1.82	29.2	11.76	7.87	2.02	36.2	12.78	7.32	2.2	42.7
	6	10.27	7.63	1.47	19.2	8.89	/	1.27	14.4	9.81	8.22	1.41	17.5	10.99	7.45	1.57	21.9	11.94	6.96	1.71	25.9
	7	9.38	7.3	1.15	11.7	8.36	/	1.03	9.3	8.93	7.91	1.1	10.7	10.07	7.22	1.24	13.5	11.17	6.61	1.37	16.7
11	3	11.35	8.18	3.25	93.7	9.62	/	2.76	67.3	10.95	8.71	3.14	87.1	12.09	8.14	3.46	106.1	13.16	7.55	3.77	125.9
	4	10.64	7.89	2.29	46.3	9.16	/	1.97	34.3	10.21	8.38	2.2	42.6	11.37	7.75	2.45	52.9	12.43	7.24	2.67	63.2
	5	9.83	7.59	1.69	25.3	8.71	/	1.5	19.8	9.38	8.18	1.61	23.0	10.58	7.43	1.82	29.3	11.62	6.9	2	35.3
	6	8.95	7.28	1.28	14.6	8.16	/	1.17	12.1	8.61	7.81	1.23	13.5	9.77	7.18	1.4	17.3	10.78	6.55	1.55	21.1
	7	7.98	7.02	0.98	8.5	7.69	/	0.94	7.9	7.69	/	0.94	7.9	8.85	6.82	1.09	10.5	9.93	6.16	1.22	13.2
12	3	10.15	7.79	2.91	74.9	8.91	/	2.55	57.7	9.66	8.4	2.77	67.9	10.95	7.67	3.14	87.1	11.96	7.14	3.43	104.0
	4	9.4	7.53	2.02	36.1	8.48	/	1.82	29.4	8.93	8.12	1.92	32.6	10.17	7.39	2.19	42.3	11.25	6.82	2.42	51.7
	5	8.59	7.26	1.48	19.3	8.12	/	1.4	17.2	8.14	7.85	1.4	17.3	9.38	7.12	1.61	23.0	10.44	6.51	1.8	28.5
	6	7.63	7.02	1.09	10.6	7.55	/	1.08	10.4	7.55	7.41	1.08	10.4	8.5	6.82	1.22	13.1	9.56	6.14	1.37	16.6
	7	6.75	/	0.83	6.1	7.02	/	0.86	6.6	6.96	/	0.85	6.5	7.43	6.47	0.91	7.4	8.69	5.78	1.07	10.1
13	3	8.87	7.45	2.54	57.2	8.22	/	2.36	49.1	8.36	8.08	2.4	50.8	9.64	7.3	2.76	67.6	10.78	6.73	3.09	84.5
	4	8.12	7.16	1.75	26.9	7.83	/	1.68	25.1	7.83	7.69	1.68	25.1	8.87	7.12	1.91	32.2	10.01	6.41	2.15	41.0
	5	7.24	7.08	1.25	13.7	7.3	/	1.26	14.0	7.32	/	1.26	14.0	8.1	6.78	1.39	17.2	9.22	6.1	1.59	22.2
	6	6.59	/	0.94	7.9	6.82	/	0.98	8.4	6.82	/	0.98	8.4	7.14	6.53	1.02	9.3	8.32	5.78	1.19	12.6
	7	6.02	/	0.74	4.8	6.25	/	0.77	5.2	6.27	/	0.77	5.2	6.27	6.12	0.77	5.2	7.28	5.45	0.89	7.1

Cooling capacity

MKT3H-1800G100																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	20.13	12.13	5.77	405.9	18.47	13.34	5.29	341.5	19.72	12.65	5.65	389.5	20.86	12.11	5.98	435.8	22.02	11.56	6.31	485.8
	4	19.36	11.76	4.16	211.1	17.78	12.93	3.82	178.2	19.04	12.29	4.09	204.2	20.15	11.76	4.33	228.8	21.16	11.17	4.55	252.2
	5	18.51	11.35	3.18	123.6	16.94	12.63	2.91	103.5	18.15	11.9	3.12	118.7	19.36	11.33	3.33	135.1	20.34	17.58	3.5	149.1
	6	17.69	11.03	2.54	78.4	16.12	12.2	2.31	65.1	17.35	11.49	2.49	75.4	18.56	10.9	2.66	86.2	19.45	10.35	2.79	94.7
	7	16.83	10.51	2.07	52.1	15.23	11.9	1.87	42.7	16.44	11.1	2.02	49.7	17.65	10.51	2.17	57.3	18.63	9.94	2.29	63.8
6	3	18.99	11.65	5.44	361.2	17.3	12.84	4.96	299.9	18.56	12.15	5.32	344.9	19.77	11.58	5.67	391.3	20.91	11.03	5.99	437.7
	4	18.24	11.24	3.92	187.4	16.53	12.43	3.55	153.9	17.81	11.74	3.83	178.6	18.99	11.22	4.08	203.2	20.06	10.67	4.31	226.8
	5	17.35	10.83	2.98	108.5	15.78	12.08	2.71	89.7	17.01	11.4	2.93	104.3	18.13	10.74	3.12	118.4	19.27	10.26	3.31	133.8
	6	16.53	10.51	2.37	68.4	14.96	11.67	2.14	56.0	16.14	10.97	2.31	65.2	17.35	10.33	2.49	75.4	18.31	9.8	2.62	83.9
	7	15.66	10.03	1.92	45.1	14.02	11.38	1.72	36.2	15.28	10.67	1.88	42.9	16.37	9.99	2.01	49.3	17.49	9.39	2.15	56.3
7	3	17.74	11.08	5.08	315.1	16.1	12.33	4.61	259.5	17.35	11.65	4.97	301.5	18.63	11.06	5.34	347.5	19.68	10.49	5.64	387.7
	4	17.01	10.69	3.66	163.0	15.25	12.06	3.28	131.1	16.55	11.26	3.56	154.3	17.78	10.69	3.82	178.2	18.9	10.15	4.06	201.2
	5	16.14	10.31	2.78	93.9	14.48	11.67	2.49	75.6	15.8	10.88	2.72	90.0	16.94	10.21	2.91	103.5	17.99	9.74	3.09	116.7
	6	15.3	10.01	2.19	58.6	13.63	11.31	1.95	46.5	15.02	10.49	2.15	56.5	16.16	9.83	2.32	65.4	17.17	9.3	2.46	73.8
	7	14.48	9.55	1.78	38.6	12.72	10.9	1.56	29.8	14	10.17	1.72	36.1	15.21	9.51	1.87	42.5	16.26	8.91	2	48.6
8	3	16.53	10.6	4.74	273.6	14.75	11.9	4.23	217.9	16.14	11.1	4.63	260.9	17.37	10.49	4.98	302.3	18.49	9.92	5.3	342.4
	4	15.8	10.24	3.4	140.6	14.02	11.51	3.01	110.8	15.32	10.85	3.29	132.2	16.53	10.15	3.55	153.9	17.6	9.62	3.78	174.5
	5	15	9.8	2.58	81.1	13.16	11.17	2.26	62.4	14.55	10.4	2.5	76.3	15.78	9.78	2.71	89.7	16.85	9.23	2.9	102.3
	6	14.02	9.51	2.01	49.2	12.31	10.88	1.76	38.0	13.75	10.03	1.97	47.3	14.96	9.35	2.14	56.0	16.01	8.8	2.29	64.1
	7	13.2	9.07	1.62	32.1	11.42	10.42	1.4	24.0	12.79	9.69	1.57	30.1	14	8.98	1.72	36.1	14.98	8.44	1.84	41.3
9	3	15.37	10.12	4.41	236.5	13.52	11.45	3.88	183.1	14.93	10.62	4.28	223.3	16.21	9.96	4.65	263.2	17.26	9.44	4.95	298.3
	4	14.5	9.76	3.12	118.4	12.72	11.1	2.74	91.2	14.07	10.31	3.02	111.5	15.28	9.69	3.28	131.5	16.37	9.1	3.52	151.0
	5	13.73	9.35	2.36	67.9	11.76	10.85	2.02	49.9	13.29	9.96	2.29	63.7	14.48	9.28	2.49	75.6	15.57	8.69	2.68	87.4
	6	12.81	9.01	1.84	41.1	10.88	10.51	1.56	29.6	12.36	9.64	1.77	38.2	13.68	8.85	1.96	46.9	14.75	8.28	2.11	54.5
	7	11.86	8.57	1.46	25.9	10.15	/	1.25	18.9	11.45	9.21	1.41	24.1	12.68	8.57	1.56	29.6	13.73	7.91	1.69	34.7
10	3	14.09	9.6	4.04	198.8	12.13	11.01	3.48	147.3	13.52	10.24	3.88	183.1	14.89	9.55	4.27	222.0	16.05	8.94	4.6	258.0
	4	13.22	9.23	2.84	98.5	11.22	10.78	2.41	70.9	12.77	9.89	2.75	91.8	14.07	9.19	3.02	111.5	15.12	8.6	3.25	128.7
	5	12.36	8.94	2.13	55.1	10.51	/	1.81	39.8	11.83	9.58	2.04	50.5	13.18	8.82	2.27	62.6	14.32	8.21	2.46	73.9
	6	11.51	8.55	1.65	33.2	9.96	/	1.43	24.9	10.99	9.21	1.58	30.2	12.31	8.34	1.76	38.0	13.38	7.8	1.92	44.8
	7	10.51	8.18	1.29	20.3	9.37	/	1.15	16.2	10.01	8.87	1.23	18.4	11.29	8.09	1.39	23.4	12.52	7.41	1.54	28.8
11	3	12.72	9.17	3.65	162.1	10.78	/	3.09	116.5	12.27	9.76	3.52	150.7	13.54	9.12	3.88	183.7	14.75	8.46	4.23	217.9
	4	11.92	8.85	2.56	80.1	10.26	/	2.21	59.3	11.45	9.39	2.46	73.8	12.74	8.69	2.74	91.5	13.93	8.12	3	109.3
	5	11.01	8.5	1.89	43.7	9.76	/	1.68	34.3	10.51	9.17	1.81	39.8	11.86	8.32	2.04	50.7	13.02	7.73	2.24	61.1
	6	10.03	8.16	1.44	25.2	9.14	/	1.31	20.9	9.64	8.75	1.38	23.3	10.94	8.05	1.57	30.0	12.08	7.34	1.73	36.6
	7	8.94	7.87	1.1	14.7	8.62	/	1.06	13.7	8.62	/	1.06	13.7	9.92	7.64	1.22	18.1	11.13	6.91	1.37	22.8
12	3	11.38	8.73	3.26	129.6	9.99	/	2.86	99.9	10.83	9.42	3.1	117.5	12.27	8.6	3.52	150.7	13.41	8	3.84	180.0
	4	10.53	8.44	2.26	62.5	9.51	/	2.04	50.9	10.01	9.1	2.15	56.4	11.4	8.28	2.45	73.2	12.61	7.64	2.71	89.6
	5	9.62	8.14	1.65	33.4	9.1	/	1.56	29.8	9.12	8.8	1.57	30.0	10.51	7.98	1.81	39.8	11.7	7.3	2.01	49.3
	6	8.55	7.87	1.23	18.3	8.46	/	1.21	17.9	8.46	8.3	1.21	17.9	9.53	7.64	1.37	22.7	10.72	6.89	1.54	28.8
	7	7.57	/	0.93	10.5	7.87	/	0.97	11.4	7.8	/	0.96	11.2	8.32	7.25	1.02	12.7	9.74	6.48	1.2	17.4
13	3	9.94	8.34	2.85	99.0	9.21	/	2.64	85.0	9.37	9.05	2.69	87.9	10.81	8.18	3.1	117.0	12.08	7.55	3.46	146.2
	4	9.1	8.03	1.96	46.6	8.78	/	1.89	43.4	8.78	8.62	1.89	43.4	9.94	7.98	2.14	55.7	11.22	7.18	2.41	70.9
	5	8.12	7.93	1.4	23.8	8.18	/	1.41	24.2	8.21	/	1.41	24.3	9.07	7.59	1.56	29.7	10.33	6.84	1.78	38.5
	6	7.39	/	1.06	13.7	7.64	/	1.09	14.6	7.64	/	1.09	14.6	8	7.32	1.15	16.0	9.32	6.48	1.34	21.8
	7	6.75	/	0.83	8.4	7	/	0.86	9.0	7.02	/	0.86	9.1	7.02	6.86	0.86	9.1	8.16	6.11	1	12.3

Cooling capacity

MKT3H-2200G100																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	25.36	15.28	7.27	586.3	23.26	16.8	6.67	493.3	24.84	15.94	7.12	562.6	26.27	15.25	7.53	629.5	27.74	14.56	7.95	701.7
	4	24.38	14.82	5.24	304.9	22.4	16.28	4.82	257.3	23.98	15.48	5.16	294.9	25.38	14.82	5.46	330.5	26.65	14.07	5.73	364.2
	5	23.32	14.3	4.01	178.5	21.34	15.91	3.67	149.4	22.86	14.99	3.93	171.5	24.38	14.27	4.19	195.1	25.61	22.14	4.41	215.4
	6	22.28	13.9	3.19	113.2	20.3	15.36	2.91	94.0	21.85	14.47	3.13	108.9	23.37	13.73	3.35	124.6	24.49	13.04	3.51	136.8
	7	21.19	13.24	2.6	75.2	19.18	14.99	2.36	61.6	20.7	13.98	2.54	71.8	22.23	13.24	2.73	82.7	23.46	12.52	2.88	92.2
6	3	23.92	14.67	6.86	521.8	21.8	16.17	6.25	433.2	23.37	15.31	6.7	498.2	24.9	14.59	7.14	565.2	26.33	13.9	7.55	632.3
	4	22.97	14.16	4.94	270.7	20.82	15.65	4.48	222.3	22.43	14.79	4.82	258.0	23.92	14.13	5.14	293.5	25.27	13.44	5.43	327.5
	5	21.85	13.64	3.76	156.8	19.87	15.22	3.42	129.6	21.42	14.36	3.68	150.6	22.83	13.53	3.93	171.1	24.26	12.92	4.17	193.3
	6	20.82	13.24	2.98	98.8	18.84	14.7	2.7	80.9	20.33	13.81	2.91	94.2	21.85	13.01	3.13	108.9	23.06	12.35	3.31	121.2
	7	19.73	12.63	2.42	65.2	17.66	14.33	2.17	52.2	19.24	13.44	2.36	62.0	20.62	12.58	2.53	71.2	22.02	11.83	2.71	81.3
7	3	22.34	13.96	6.4	455.1	20.27	15.54	5.81	374.8	21.85	14.67	6.26	435.5	23.46	13.93	6.73	501.9	24.78	13.21	7.1	560.0
	4	21.42	13.47	4.61	235.4	19.21	15.19	4.13	189.3	20.85	14.19	4.48	222.9	22.4	13.47	4.82	257.3	23.81	12.78	5.12	290.7
	5	20.33	12.98	3.5	135.7	18.23	14.7	3.14	109.2	19.9	13.7	3.42	130.0	21.34	12.86	3.67	149.4	22.66	12.26	3.9	168.5
	6	19.27	12.61	2.76	84.6	17.17	14.24	2.46	67.2	18.92	13.21	2.71	81.6	20.36	12.38	2.92	94.5	21.62	11.72	3.1	106.6
	7	18.23	12.03	2.24	55.7	16.02	13.73	1.97	43.0	17.63	12.81	2.17	52.1	19.15	11.97	2.35	61.4	20.47	11.23	2.52	70.2
8	3	20.82	13.35	5.97	395.2	18.58	14.99	5.33	314.8	20.33	13.98	5.83	376.9	21.88	13.21	6.27	436.6	23.29	12.49	6.68	494.6
	4	19.9	12.89	4.28	203.1	17.66	14.5	3.8	160.0	19.3	13.67	4.15	191.0	20.82	12.78	4.48	222.3	22.17	12.12	4.77	252.1
	5	18.89	12.35	3.25	117.2	16.57	14.07	2.85	90.1	18.32	13.09	3.15	110.2	19.87	12.32	3.42	129.6	21.22	11.63	3.65	147.8
	6	17.66	11.97	2.53	71.1	15.51	13.7	2.22	54.8	17.32	12.63	2.48	68.4	18.84	11.77	2.7	80.9	20.16	11.08	2.89	92.6
	7	16.63	11.43	2.04	46.3	14.39	13.12	1.77	34.7	16.11	12.2	1.98	43.5	17.63	11.31	2.17	52.1	18.87	10.62	2.32	59.6
9	3	19.35	12.75	5.55	341.6	17.03	14.42	4.88	264.4	18.81	13.38	5.39	322.6	20.42	12.55	5.85	380.1	21.74	11.89	6.23	430.9
	4	18.26	12.29	3.93	171.1	16.02	13.98	3.45	131.7	17.72	12.98	3.81	161.0	19.24	12.2	4.14	189.9	20.62	11.46	4.43	218.0
	5	17.29	11.77	2.97	98.1	14.82	13.67	2.55	72.1	16.74	12.55	2.88	92.0	18.23	11.69	3.14	109.2	19.61	10.94	3.37	126.3
	6	16.14	11.34	2.31	59.4	13.7	13.24	1.96	42.8	15.56	12.15	2.23	55.2	17.23	11.14	2.47	67.7	18.58	10.42	2.66	78.7
	7	14.93	10.8	1.83	37.3	12.78	/	1.57	27.4	14.42	11.6	1.77	34.8	15.97	10.8	1.96	42.7	17.29	9.96	2.12	50.1
10	3	17.75	12.09	5.09	287.2	15.28	13.87	4.38	212.8	17.03	12.89	4.88	264.4	18.75	12.03	5.38	320.6	20.22	11.26	5.8	372.7
	4	16.66	11.63	3.58	142.3	14.13	13.58	3.04	102.4	16.08	12.46	3.46	132.6	17.72	11.57	3.81	161.0	19.04	10.83	4.09	185.9
	5	15.56	11.26	2.68	79.5	13.24	/	2.28	57.5	14.9	12.06	2.56	72.9	16.6	11.11	2.85	90.4	18.03	10.34	3.1	106.8
	6	14.5	10.77	2.08	47.9	12.55	/	1.8	35.9	13.84	11.6	1.98	43.7	15.51	10.51	2.22	54.8	16.86	9.82	2.42	64.8
	7	13.24	10.31	1.63	29.4	11.8	/	1.45	23.3	12.61	11.17	1.55	26.6	14.21	10.19	1.75	33.8	15.76	9.33	1.94	41.6
11	3	16.02	11.54	4.59	234.1	13.58	/	3.89	168.2	15.45	12.29	4.43	217.6	17.06	11.49	4.89	265.3	18.58	10.65	5.33	314.8
	4	15.02	11.14	3.23	115.7	12.92	/	2.78	85.7	14.42	11.83	3.1	106.6	16.05	10.94	3.45	132.2	17.55	10.22	3.77	157.9
	5	13.87	10.71	2.39	63.2	12.29	/	2.11	49.6	13.24	11.54	2.28	57.5	14.93	10.48	2.57	73.2	16.4	9.73	2.82	88.3
	6	12.63	10.28	1.81	36.4	11.52	/	1.65	30.2	12.15	11.03	1.74	33.6	13.78	10.14	1.98	43.3	15.22	9.25	2.18	52.8
	7	11.26	9.91	1.38	21.2	10.85	/	1.33	19.7	10.85	/	1.33	19.7	12.49	9.62	1.53	26.1	14.01	8.7	1.72	32.9
12	3	14.33	11	4.11	187.2	12.58	/	3.61	144.3	13.64	11.86	3.91	169.7	15.45	10.83	4.43	217.6	16.88	10.08	4.84	260.0
	4	13.27	10.62	2.85	90.3	11.97	/	2.57	73.6	12.61	11.46	2.71	81.5	14.36	10.42	3.09	105.7	15.88	9.62	3.41	129.3
	5	12.12	10.25	2.08	48.2	11.46	/	1.97	43.1	11.49	11.08	1.98	43.3	13.24	10.05	2.28	57.5	14.73	9.19	2.53	71.2
	6	10.77	9.91	1.54	26.4	10.65	/	1.53	25.9	10.65	10.45	1.53	25.9	12	9.62	1.72	32.8	13.5	8.67	1.93	41.5
	7	9.53	/	1.17	15.2	9.91	/	1.22	16.4	9.82	/	1.21	16.2	10.48	9.13	1.29	18.4	12.26	8.16	1.51	25.2
13	3	12.52	10.51	3.59	142.9	11.6	/	3.33	122.7	11.8	11.4	3.38	127.0	13.61	10.31	3.9	168.9	15.22	9.5	4.36	211.2
	4	11.46	10.11	2.46	67.3	11.06	/	2.38	62.7	11.06	10.85	2.38	62.7	12.52	10.05	2.69	80.4	14.13	9.05	3.04	102.4
	5	10.22	9.99	1.76	34.3	10.31	/	1.77	34.9	10.34	/	1.78	35.1	11.43	9.56	1.97	42.9	13.01	8.61	2.24	55.6
	6	9.3	/	1.33	19.7	9.62	/	1.38	21.1	9.62	/	1.38	21.1	10.08	9.22	1.44	23.2	11.74	8.16	1.68	31.5
	7	8.5	/	1.04	12.1	8.82	/	1.08	13.0	8.84	/	1.09	13.1	8.84	8.64	1.09	13.1	10.28	7.7	1.26	17.7

Cooling capacity modification coefficient table:

Speed	800		1000		120		1400		1600		1800		2200	
	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
High	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mid	0.97	0.94	0.93	0.9	0.94	0.91	0.96	0.92	0.92	0.88	0.92	0.89	0.93	0.9
Low	0.93	0.9	0.86	0.83	0.85	0.81	0.85	0.82	0.84	0.8	0.85	0.81	0.87	0.83

Heating Capacity:

Remark:

Δt: Temperature Difference (℃); **TH:** Total Heating Capacity (kW);

WF: Water Flow (m^3/h); **WPD:** Water Pressure Drop (kPa)

MKT3H-800G70

Δt	Air inlet temp. (20℃ DB) / Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	3.29	0.28	0.4	5.16	0.44	1.0	7.14	0.61	1.9	9.01	0.77	3.0	10.89	0.94	4.4	12.81	1.10	6.1	14.65	1.26	8.0	16.50	1.42	10.1
8	3.65	0.39	0.8	5.68	0.61	1.9	7.60	0.82	3.4	9.48	1.02	5.2	11.31	1.22	7.4	13.15	1.41	10.0	15.00	1.61	13.1	16.85	1.81	16.5
6	4.22	0.61	1.8	6.15	0.88	3.9	7.97	1.14	6.6	9.90	1.42	10.1	11.77	1.69	14.3	13.62	1.95	19.1	15.35	2.20	24.3	17.31	2.48	30.9

MKT3H-1000G70

Δt	Air inlet temp. (20℃ DB) / Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	4.52	0.39	1.5	7.09	0.61	3.8	9.81	0.84	7.3	12.38	1.06	11.6	14.96	1.29	16.9	17.59	1.51	23.4	20.13	1.73	30.6	22.67	1.95	38.8
8	5.01	0.54	3.0	7.80	0.84	7.2	10.45	1.12	12.9	13.03	1.40	20.0	15.53	1.67	28.5	18.07	1.94	38.5	20.61	2.22	50.1	23.14	2.49	63.2
6	5.80	0.83	7.1	8.45	1.21	15.0	10.95	1.57	25.2	13.60	1.95	38.8	16.17	2.32	54.8	18.70	2.68	73.3	21.08	3.02	93.2	23.78	3.41	118.5

MKT3H-1200G70

Δt	Air inlet temp. (20℃ DB) / Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	5.08	0.44	1.5	7.97	0.69	3.7	11.04	0.95	7.1	13.93	1.20	11.3	16.83	1.45	16.5	19.79	1.70	22.8	22.65	1.95	29.9	25.50	2.19	37.9
8	5.63	0.61	2.9	8.77	0.94	7.0	11.75	1.26	12.6	14.66	1.58	19.6	17.48	1.88	27.8	20.33	2.19	37.6	23.18	2.49	48.9	26.03	2.80	61.7
6	6.53	0.94	6.9	9.50	1.36	14.6	12.32	1.77	24.6	15.30	2.19	37.9	18.19	2.61	53.5	21.04	3.02	71.7	23.72	3.40	91.0	26.75	3.83	115.8

MKT3H-1400G70

Δt	Air inlet temp. (20℃ DB) / Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	6.08	0.52	1.7	9.53	0.82	4.2	13.20	1.14	8.1	16.66	1.43	12.9	20.13	1.73	18.8	23.67	2.04	26.0	27.09	2.33	34.1	30.50	2.62	43.2
8	6.74	0.72	3.3	10.49	1.13	8.0	14.06	1.51	14.3	17.53	1.88	22.3	20.90	2.25	31.7	24.31	2.61	42.9	27.73	2.98	55.8	31.14	3.35	70.4
6	7.81	1.12	7.9	11.37	1.63	16.7	14.74	2.11	28.0	18.30	2.62	43.2	21.76	3.12	61.1	25.17	3.61	81.7	28.37	4.07	103.9	31.99	4.59	132.1

MKT3H-1600G100

Δt	Air inlet temp. (20℃ DB) / Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	7.14	0.61	2.8	11.20	0.96	6.9	15.51	1.33	13.1	19.57	1.68	20.9	23.66	2.03	30.6	27.81	2.39	42.2	31.82	2.74	55.3	35.83	3.08	70.1
8	7.92	0.85	5.4	12.33	1.33	13.0	16.51	1.78	23.3	20.60	2.21	36.2	24.56	2.64	51.5	28.57	3.07	69.6	32.58	3.50	90.5	36.59	3.93	114.2
6	9.17	1.31	12.8	13.36	1.91	27.1	17.32	2.48	45.5	21.50	3.08	70.1	25.56	3.66	99.1	29.57	4.24	132.6	33.33	4.78	168.5	37.59	5.39	214.3

MKT3H-1800G100

Δt	Air inlet temp. (20℃ DB)																							
	Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	8.07	0.69	5.2	12.66	1.09	12.9	17.53	1.51	24.7	22.12	1.90	39.4	26.74	2.30	57.5	31.44	2.70	79.5	35.97	3.09	104.1	40.50	3.48	132.0
8	8.95	0.96	10.1	13.93	1.50	24.4	18.66	2.01	43.8	23.28	2.50	68.1	27.76	2.98	96.9	32.29	3.47	131.1	36.82	3.96	170.5	41.35	4.45	215.0
6	10.37	1.49	24.0	15.10	2.16	50.9	19.57	2.81	85.6	24.30	3.48	132.0	28.89	4.14	186.6	33.42	4.79	249.7	37.67	5.40	317.2	42.48	6.09	403.4

MKT3H-2200G100

Δt	Air inlet temp. (20℃ DB)																							
	Water inlet temp. (℃)																							
	35			40			45			50			55			60			65			70		
	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
10	10.16	0.87	8.0	15.94	1.37	19.7	22.08	1.90	37.7	27.85	2.40	60.1	33.67	2.90	87.7	39.59	3.40	121.3	45.29	3.90	158.8	51.00	4.39	201.3
8	11.27	1.21	15.4	17.55	1.89	37.2	23.50	2.53	66.8	29.32	3.15	103.9	34.95	3.76	147.8	40.66	4.37	199.9	46.36	4.98	260.0	52.07	5.60	327.9
6	13.05	1.87	36.6	19.01	2.72	77.7	24.64	3.53	130.6	30.60	4.39	201.3	36.38	5.21	284.5	42.08	6.03	380.8	47.43	6.80	483.8	53.50	7.67	615.4

Heating capacity modification coefficient table**:**

Speed	800	1000	1200	1400	1600	1800	2200
	TH	TH	TH	TH	TH	TH	TH
High	1	1	1	1	1	1	1
Mid	0.88	0.87	0.86	0.88	0.86	0.88	0.89
Low	0.74	0.75	0.75	0.76	0.74	0.75	0.75

Altitude modification coefficient table:

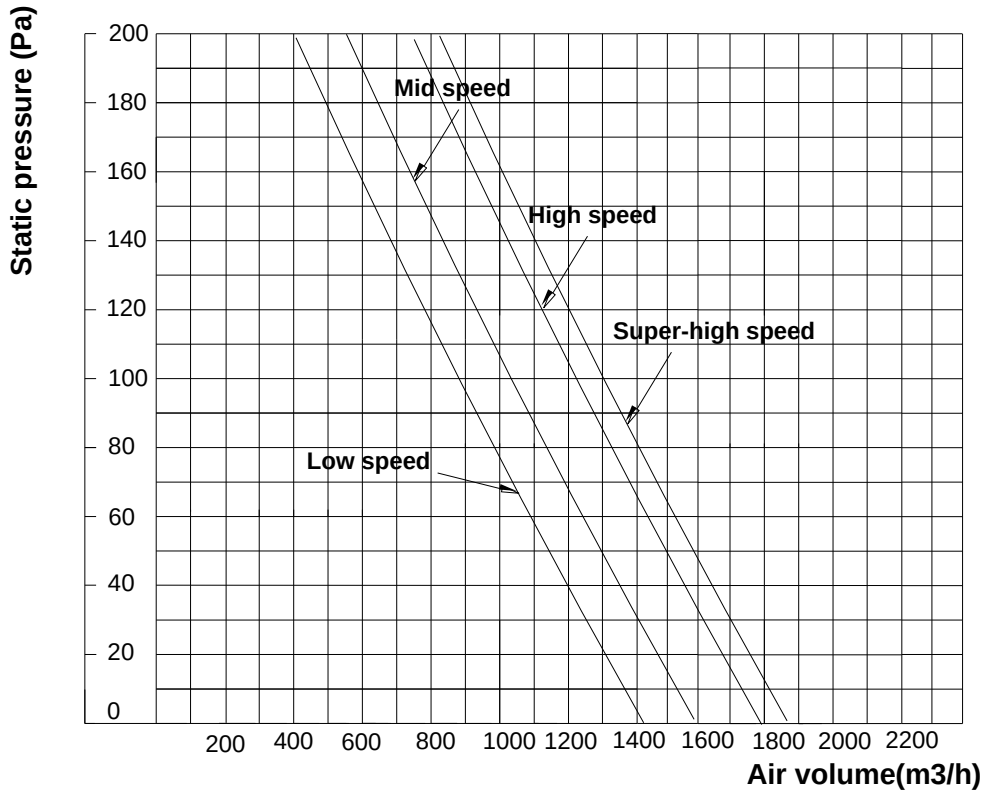
Altitude	TC	SC	TH
500	0.98	0.95	0.95
1000	0.97	0.91	0.91
1500	0.95	0.86	0.86
2000	0.94	0.82	0.82
2500	0.93	0.78	0.78
3000	0.91	0.74	0.7

10. Static Pressure Graph

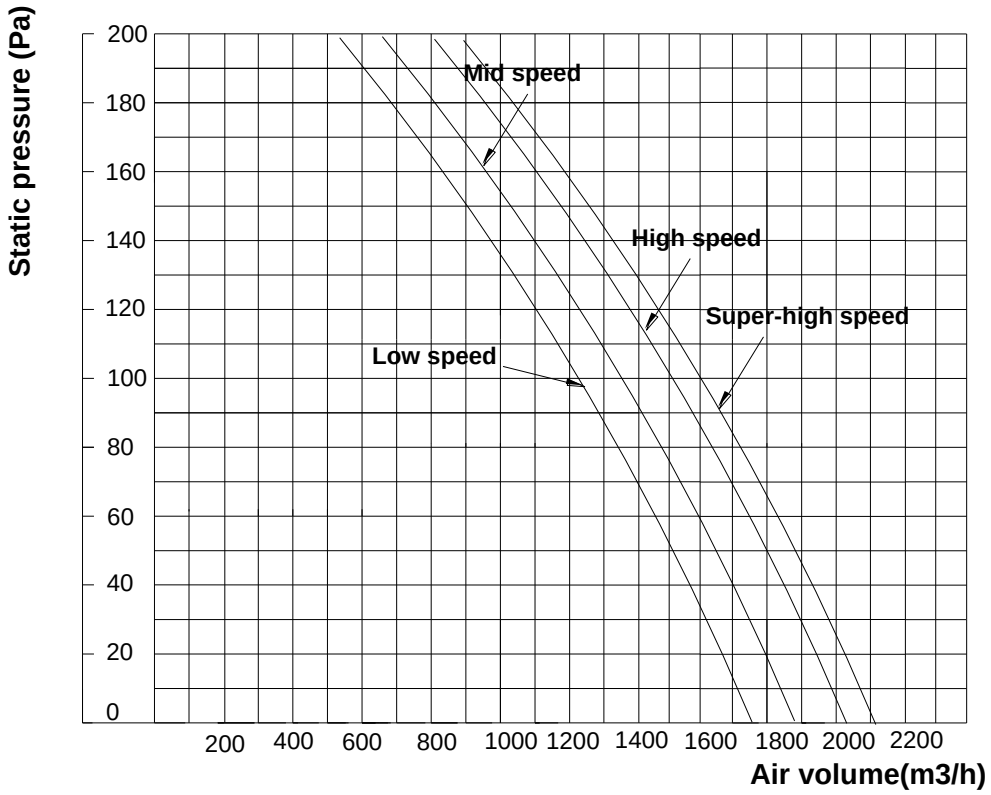
How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m^3/h).

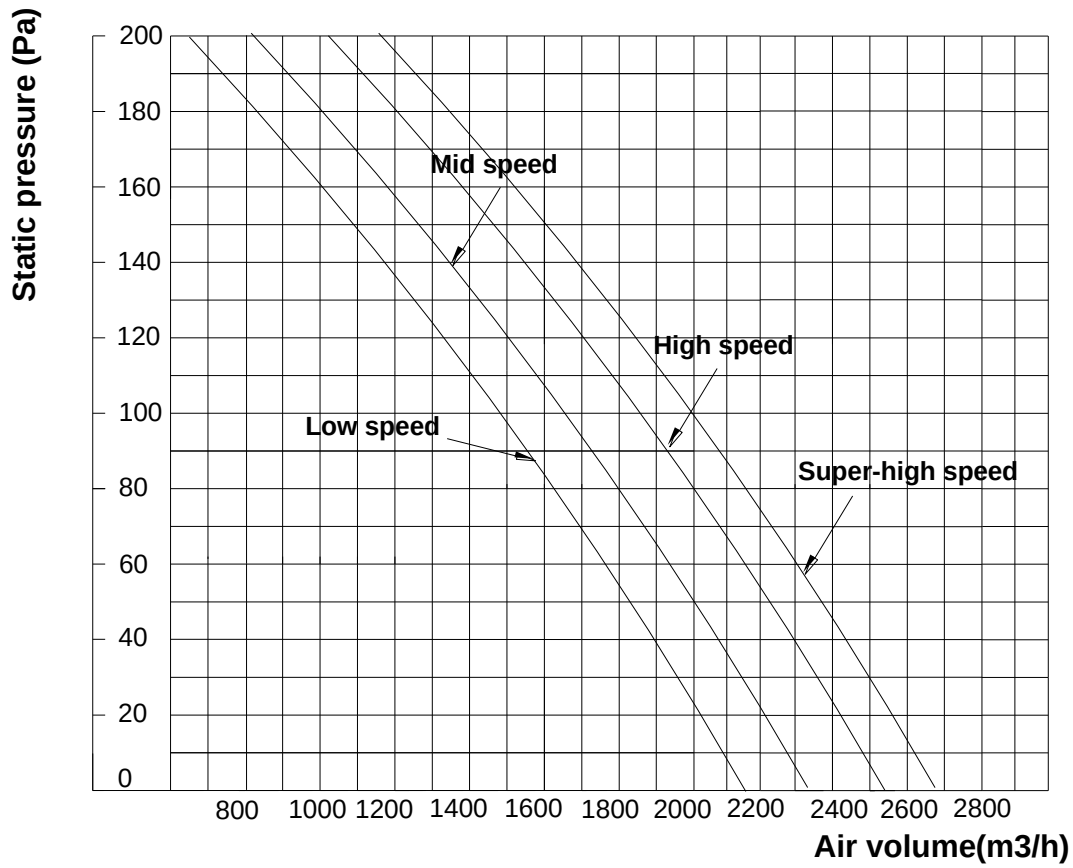
MKT3H-800G70



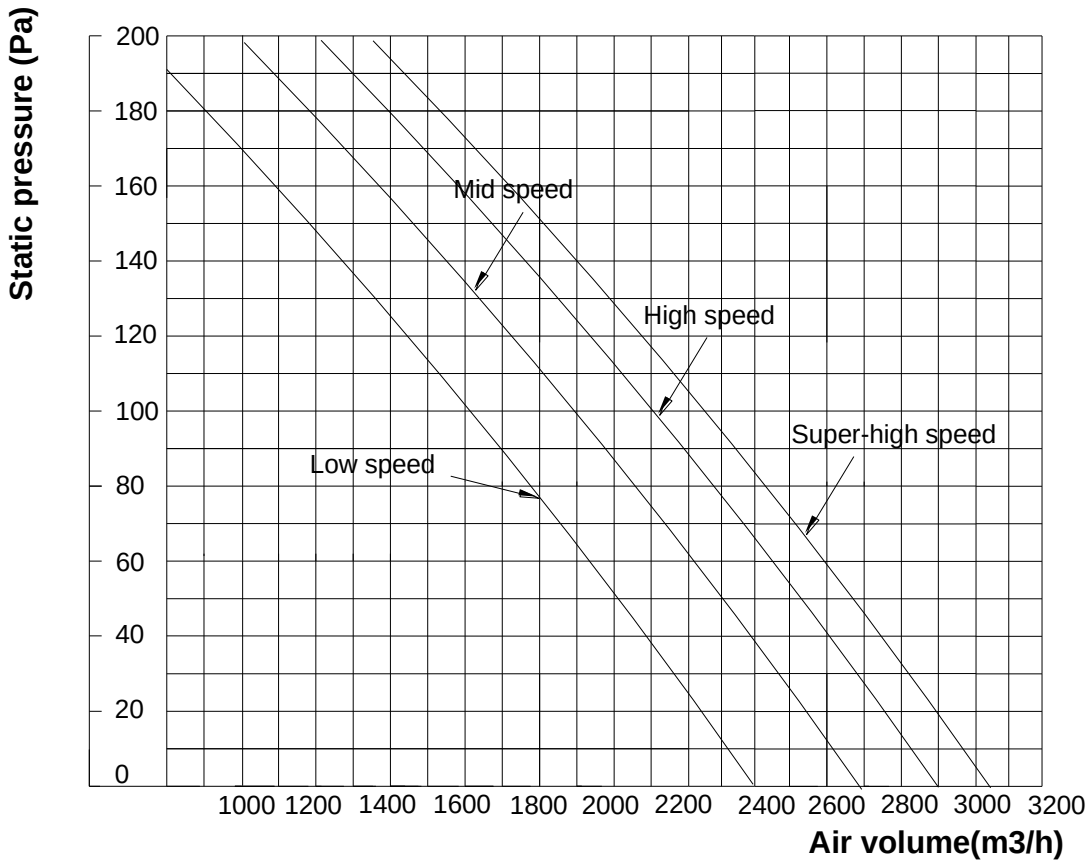
MKT3H-1000G70



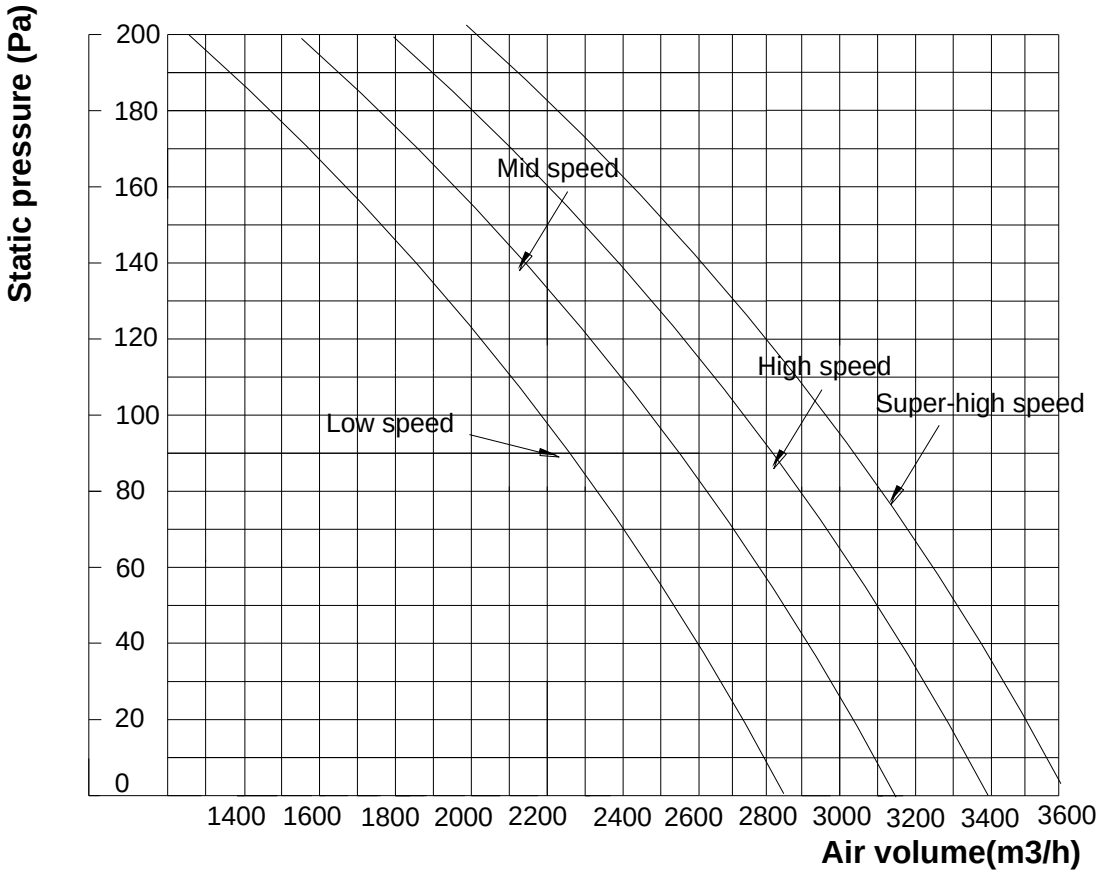
MKT3H-1200 G70



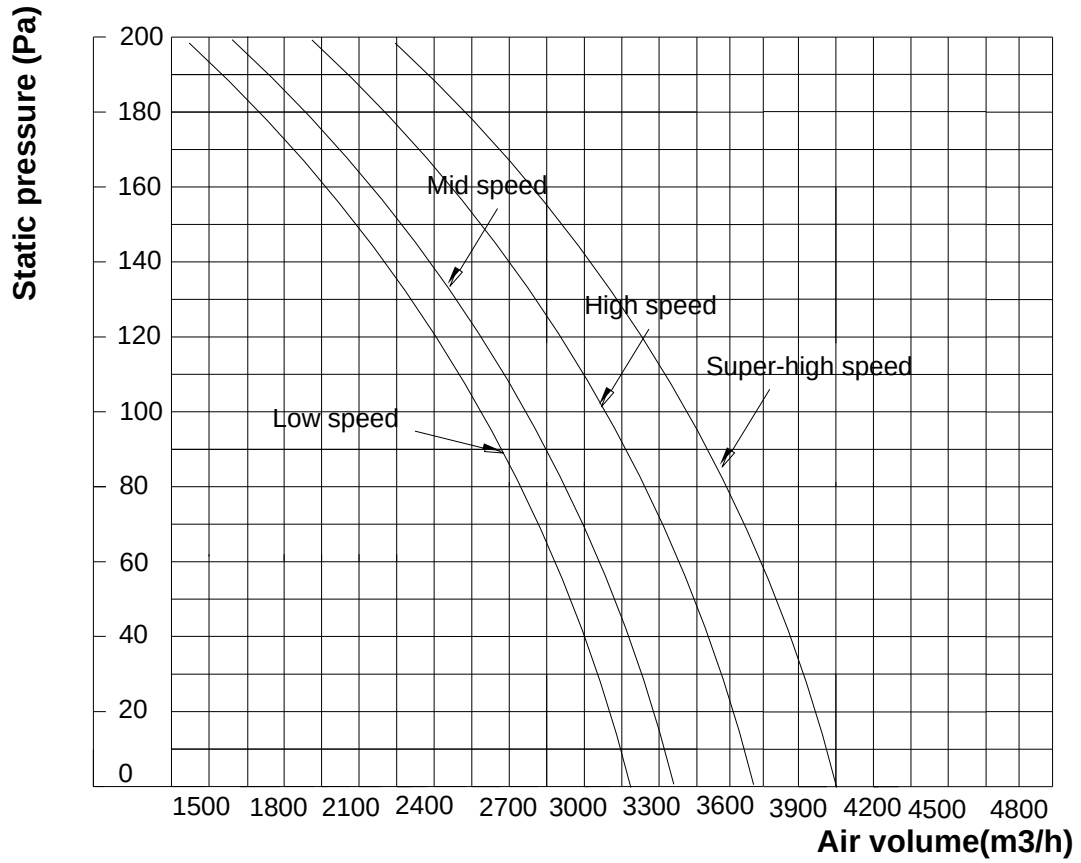
MKT3H-1400 G70



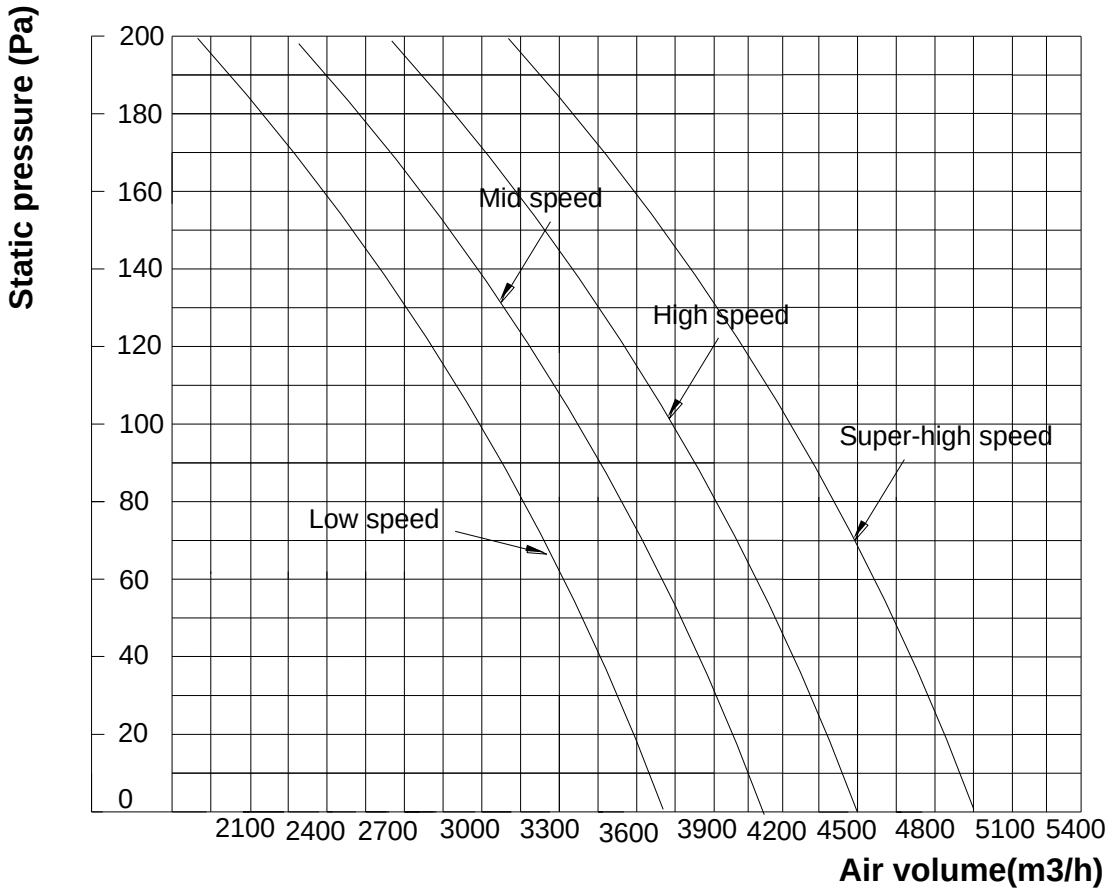
MKT3H-1600 G100



MKT3H-1800 G100

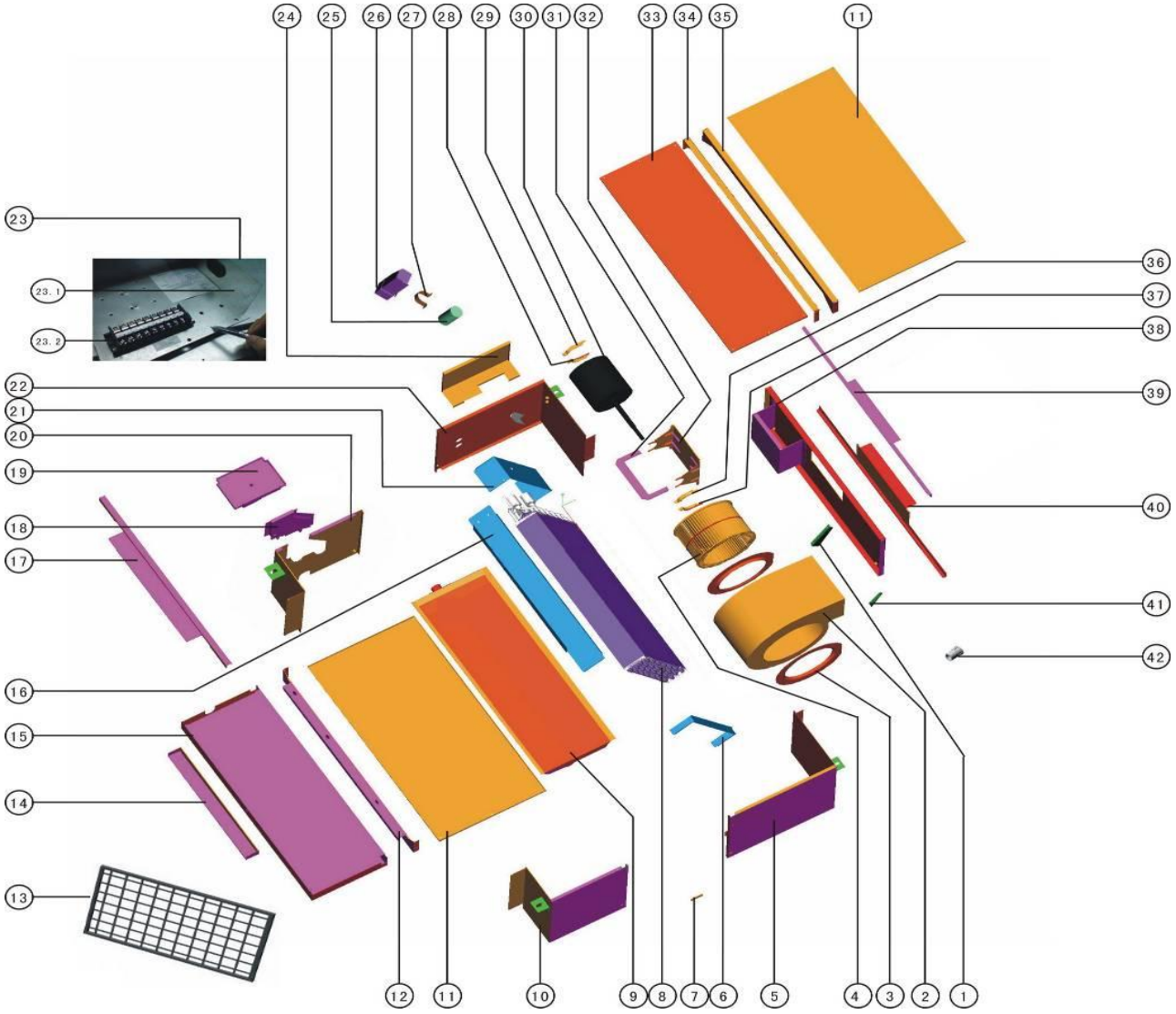


MKT3H-2200G100



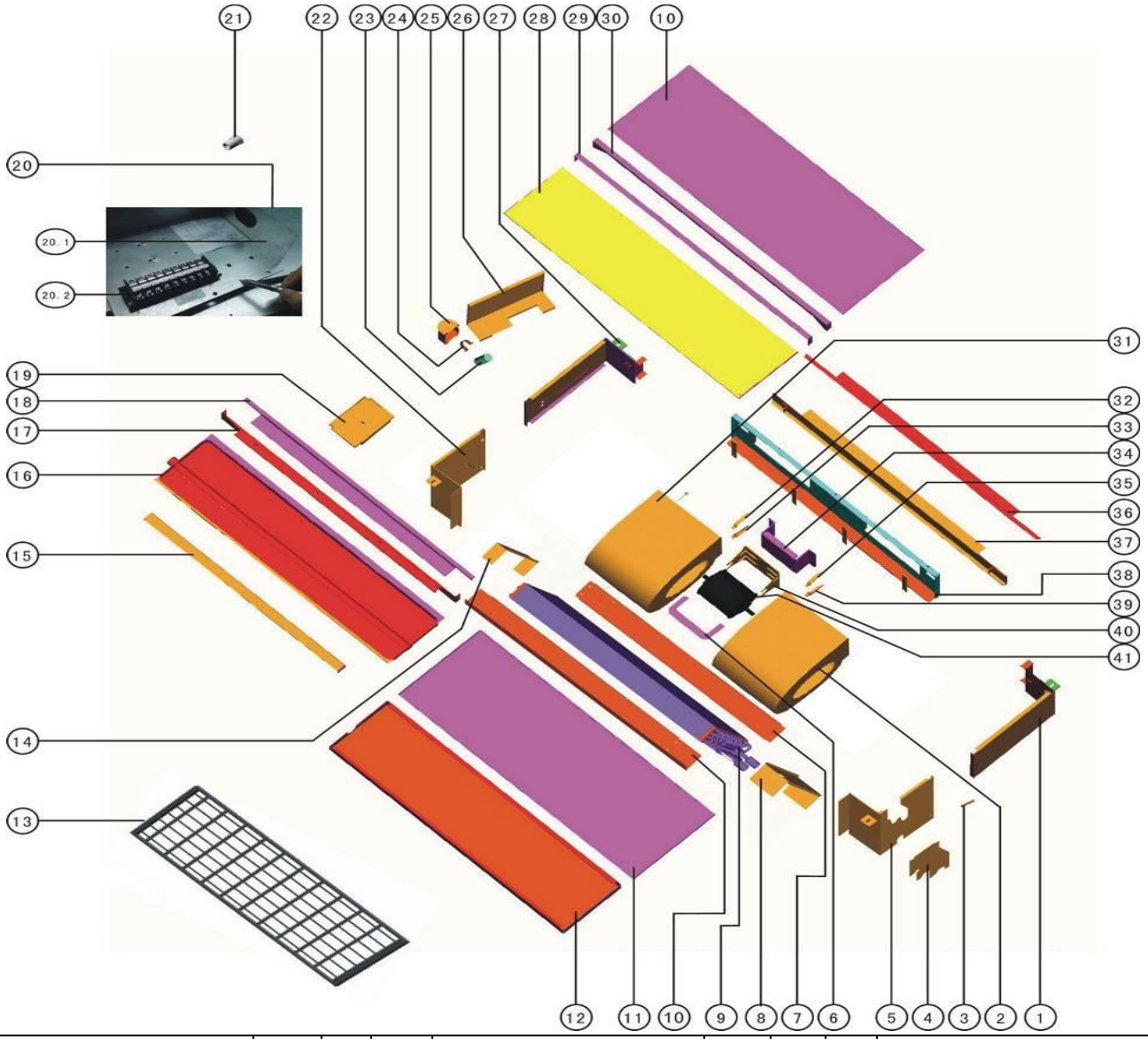
11. Exploded View

MKT3H-800G70 MKT3H-1000G70 MKT3H-1200G70 MKT3H-1400G70



No.	Part Name	Qua.	No.	Part Name	Qua.	No.	Part Name	Qua.
1	Right fixing board	1	16	Baffle	1	29	Motor up cover	1
2	Volute shell ass'y	1	17	Back upside board ass'y	1	30	Fan motor	1
3	Wind ring ass'y	2	18	Cover plate ass'y	1	31	Board	1
4	Centrifugal fan ass'y	1	19	Drainage pan	1	32	Motor bracket	1
5	Side board ass'y	1	20	Clapboard ass'y	1	33	Rear cover ass'y	1
6	Evaporator left clapboard	1	21	Evaporator right clapboard	1	34	Beam ass'y	1
7	Stator	2	22	Front right clapboard ass'y	1	35	Beam ass'y	1
8	Evaporator ass'y	1	23	E-part box ass'y	1	36	Motor up cover	1
9	Drainage pan ass'y	1	23.1	E-part box	1	37	Motor below cover	1
10	Clapboard ass'y	1	23.2	Wire joint, 9p	1	38	Base	1
11	Front cover ass'y	2	24	E-Part box cover	1	39	Former upside board ass'y	1
12	Beam ass'y	1	25	Capacitor box	1	40	Former underside board ass'y	1
13	Air filter	1	26	Pipe performing	1	41	Left fixing board	1
14	Back Underside board	1	27	Capacitor	1	42	Water pipe	1
15	Base ass'y	1	28	Motor below cover	1			

MKT3H-1600G100 MKT3H-1800G100 MKT3H-2200G100



No.	Part Name	Qua.		No.	Part Name	Qua.		No.	Part Name	Qua.
1	Side board ass'y	1		16	Drainage pan ass'y	1		29	Beam ass'y	1
2	Fan ass'y	1		17	Beam ass'y	1		30	Beam ass'y	1
3	Stator	2		18	Back upside board ass'y	1		31	Right wind wheel ass'y	1
4	Cover plate ass'y	1		19	Drainage pan	1		32	Motor up cover	1
5	Clapboard ass'y	1		20	E-part box ass'y	1		33	Motor below cover	1
6	Board	1		20.1	E-part box	1		34	Fixing board ass'y	1
7	Below baffle	1		20.2	Wire joint, 9p	1		35	Motor up cover	1
8	Evaporator left clapboard ass'y	1		21	Water pipe	1		36	Former upside board ass'y	1
9	Evaporator ass'y	1		22	Clapboard ass'y	1		37	Former underside board ass'y	1
10	Evaporator up clapboard ass'y	1		23	Capacitor	1		38	Fixing board ass'y	1
11	Front cover ass'y	2		24	Capacitor clamp	1		39	Motor below cover	1
12	Base ass'y	1		25	Capacitor box	1		40	Motor bracket	1
13	Air filter	1		26	E-Part box cover	1		41	Motor	1
14	Evaporator right clapboard ass'y	1		27	Front right clapboard ass'y	1				
15	Back Underside board	1		28	Rear cover ass'y	1				

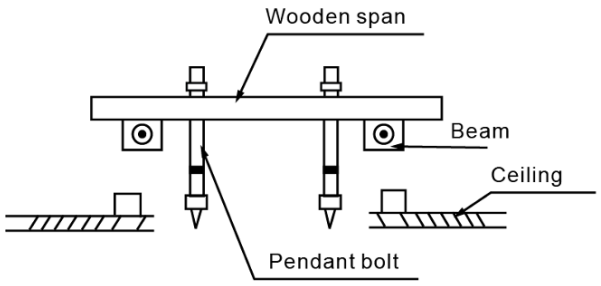
12. Installation

12.1 Installation of the fan coil unit

- Precautions before installation.
  - Decide the correct way of conveying the equipment.
  - Try to transport this equipment with the original package.
  - If the air conditioner needs to be installed on a metal part of the building, electric insulation must be performed, and the installation must meet the relevant technical standards of electric devices.
- Install F10 pendant bolts (4 bolts)
  - The intervals of the pendant bolts are shown in the following figure.
  - Use the F10 pendant bolts.
  - The treatment of the ceiling varies between buildings. For detailed measures, negotiate with the construction and fit-out staff.
- Scope of dismantling the ceiling…Please keep the ceiling horizontal. Reinforce the beams and girders of the ceiling lest vibration of the ceiling.
- Cut off the beams and girders of the ceiling.
- Reinforce the cut-off part, beams and girders of the ceiling.
  - After the main body is suspended, work on the pipes and wires in the ceiling. Decide the lead-out direction of the pipes after selecting the installation site. Especially, in a circumstance where a ceiling is available, extend the refrigerant pipe; drain pipe, indoor/outdoor connection wires and wire controller lines to the connection position before suspending the unit.
  - Procedure of installing the pendant bolts.

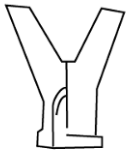
Wooden structure

Put rectangular sticks across the beams, and set pendant bolts.

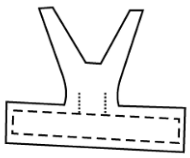


New concrete roughcast

Set it with embedded bushes or embedded bolts.



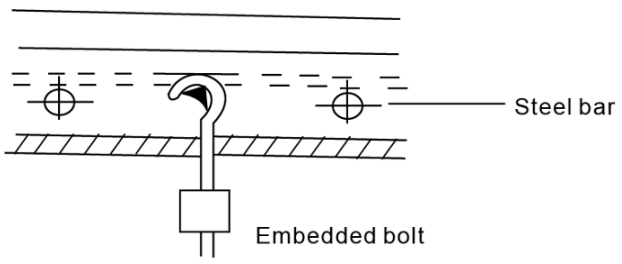
(Blade plug-in unit)



(Slide plug-in unit)

Old concrete roughcast

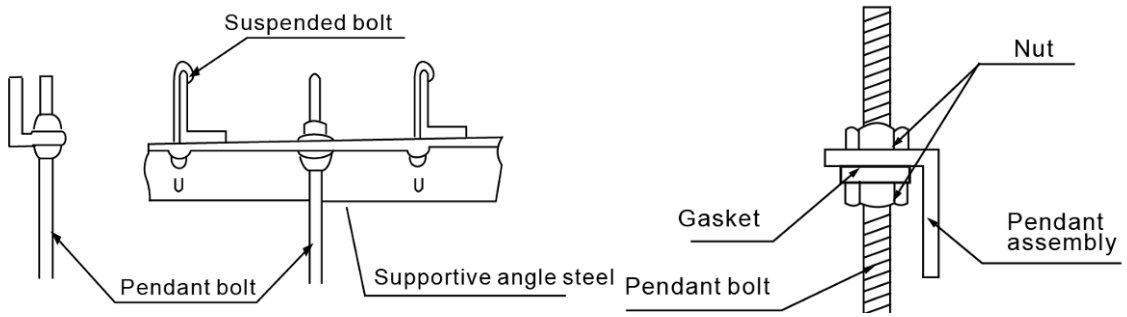
Use embedded bolts, embedded pulling plugs, and embedded stick harness.



(Pipe pendant embedded bolt)

Steel beam and girder structure

Set and use supportive angle steel.



- Suspending the indoor unit
  - Use tools such as pulleys to hoist the indoor unit to the pendant bolt.
  - Use tools such as gradient to settle the indoor unit horizontally. Lack of horizontality may cause water leak.
- Connect the duct

The external static pressure is 70Pa or 100Pa, and the duct length is determined according to this parameter.

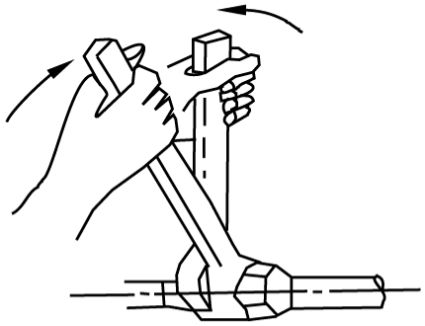
- Install the wire control switch

For installation of the wire control switch, see the installation manual of the wire controller.

- Sample unit specification figure: refer to chapter 7

12.2 Pipes Connection

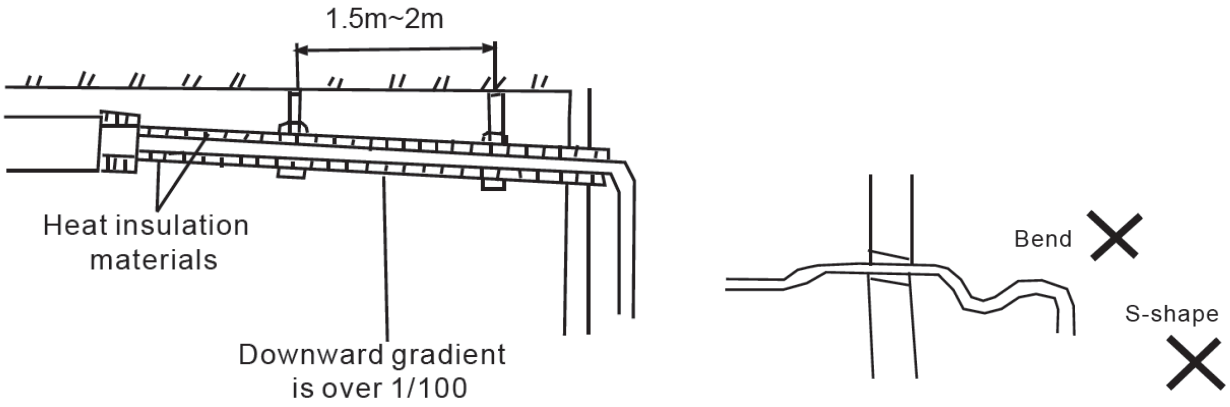
- With air release valve, the other side is water inlet pipe.
- When connect water collector, set the tightening torque to 6180~7540N.cm(630~770kgf.cm), and use a spanner to tighten it as shown in Fig..
- The diameter of connective junction in water inlet pipe and water outlet pipe is RC3/4 tapper pipe thread inside.
- The diameter of condensate pipe is ZG3/4 tapper pipe thread outside.

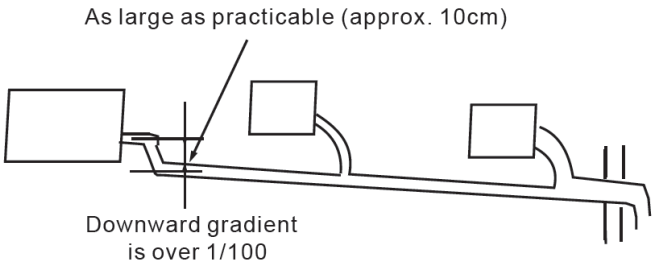


12.3 Installing Drainage Pipe

Cautions:

- Be sure to perform heat insulation for the drain pipe of the indoor unit. Otherwise, condensate will occur. The joint of the indoor unit should also undergo heat insulation treatment.
- When performing the en suite connection, use the rigid PVC binder, and make sure that no leak exists.
- Same as the joint of the indoor unit. Be careful not to apply force at the pipe side of the indoor unit.
- The downward gradient of the drain pipe should be higher than (1/100), without bend in the middle.
- The widthwise stretch of the drain pipe should be with1in 2110m. If the drain pipe is long, set up brackets to support it.
- The centralized pipes should be distributed against the figure shown on the right side.





- Drain test
  - Before the test, ensure that the drain pipes are smooth and the adapters are sealed.
  - Newly built rooms should undergo the drain test before the ceiling is laid.

12.4 Wiring

Fan coil units model	Name of cable	Cable Qty.	Specification(Optional)	Note
MKT3H-800G70	Main power cord	1	RVV-300/500 3×2.5 mm^2	Owner purchase it optionally
MKT3H-1000G70	Controller power cord	1	RVV-300/500 3×2.0 mm^2	Owner purchase it optionally
MKT3H-1200G70 MKT3H-1400G70 MKT3H-1600G100 MKT3H-1800G100 MKT3H-2200G100	Control wire	1	RVV-300/500 5×1.5 mm^2	Owner purchase it optionally