Библиотека СОК

Contents

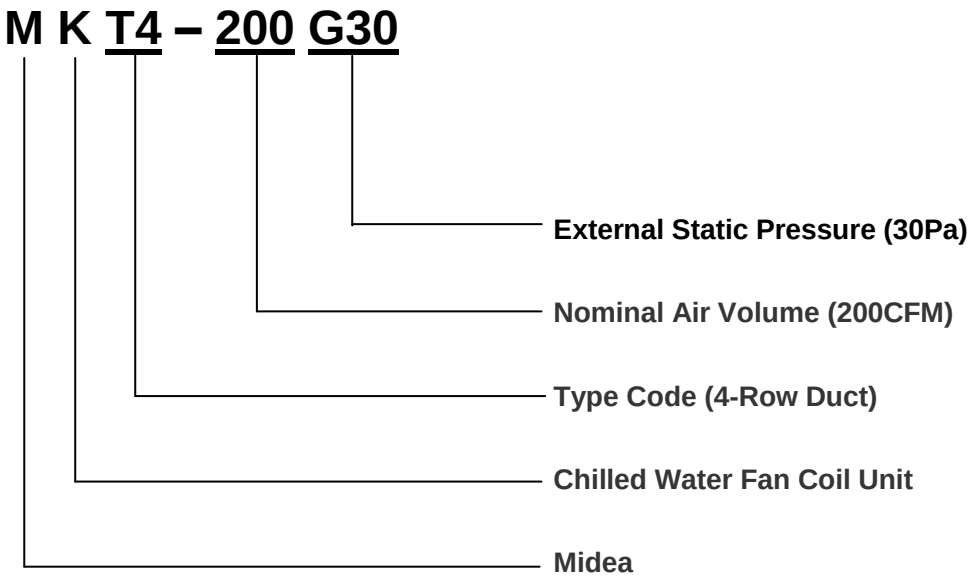
1. Introduction 2
2. Nomenclature 2
3. Product Schedule 3
4. External Appearance 3
5. Features 4
6. Specifications 6
7. Dimensions 10
8. Wiring Diagrams 11
9. Capacity Tables 14
10. Static Pressure Graphs 27
11. Exploded Views 30
12. Installation 35
13. Accessories 39

1. Introduction

Fan coil unit is a kind of compound device which assemble fan and heat exchanger (coil) together. Fan coil with fresh air supply system is a main type of central air-conditioner system, so it is an important component of AC devices. 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	External Static pressure (Pa)	Air volume (CFM)	Power supply
MKT4-200G30	30	200	220~240V-1Ph-50Hz
MKT4-300G30		300	
MKT4-400G30		400	
MKT4-500G30		500	
MKT4-600G30		600	
MKT4-800G30		800	
MKT4-1000G30		1000	
MKT4-1200G30		1200	
MKT4-1400G30		1400	
MKT4-1500	30	1500	
MKT4H-1500G50	50	1500	
MKT4-2000	30	2000	
MKT4H-2000G50	50	2000	

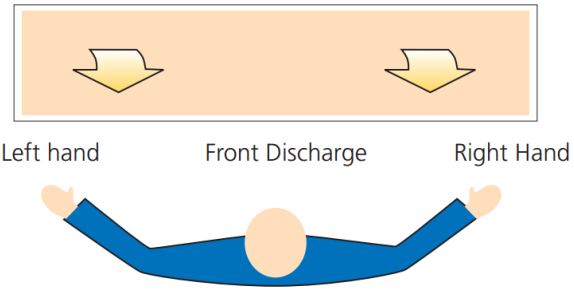
4. External Appearance



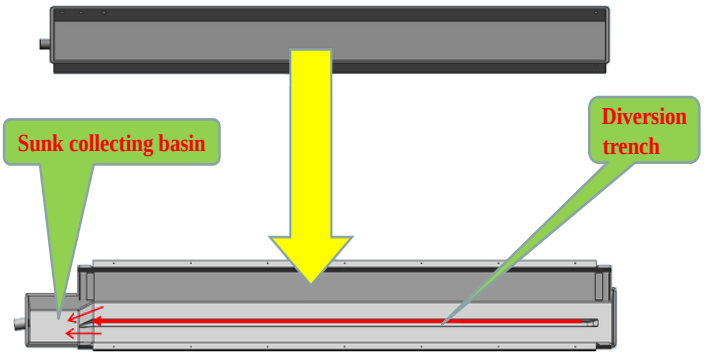


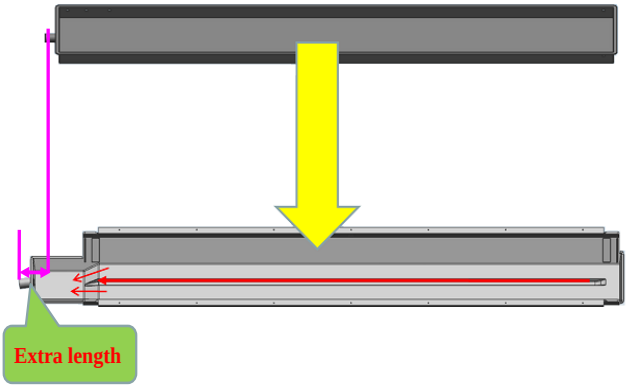
5. Features

1. **Wider external static pressure supplying.**
   30Pa ESP is standard, 12Pa and 50 Pa can be customized.
2. **Left or right hand piping connections, field convertible.**

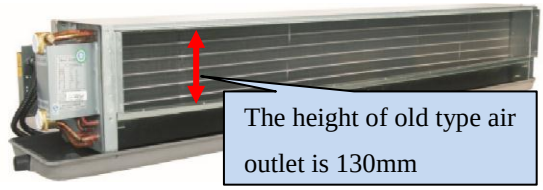


3. **Quiet operation**
   A patent design is able to prevent abnormal noise caused by blowing fins.
4. **Superior air distribution**
   As the conditioned air can be distributed to every corner of the area by air duct, this will ensure more pleasant living environment, thus provide extra comfort to the occupants.
5. **Fresh air supply makes life healthier and more comfortable**
6. **Air return plenum**
   Units with air return plenum is standard, units without air return plenum can be customized.
7. **V type drain pan (without 1500 and 2000 model)**
   Diversion trench and sunk collecting basin design making better drainage. Longer length of V type drain pan can better receive the drain ,water dripping from the water piping and valve connection.





The performance is improved for larger air outlet area

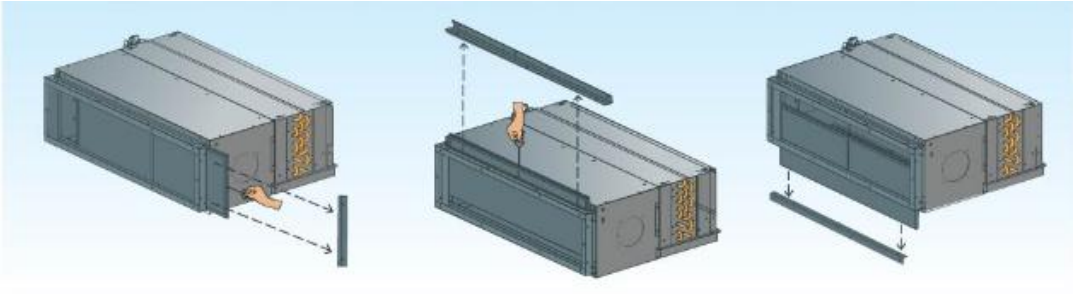




8. Washable filter

Iron frame filter is standard, aluminum frame filter can be customized.

Multi-direction pull-out filter can be customized.



9. Optional wired controller

Optional wired controller offers simple and flexibility in controlling the unit.

6. Specifications

Model MKT4-				200G30	300G30	400G30
Air flow		H/M/L	m^3/h	340/255/170	510/385/255	680/510/340
		H/M/L	CFM	200/150/100	300/225/150	400/300/200
External Static pressure			Pa	30	30	30
Cooling	Capacity	H/M/L	kW	2.5/2.16/1.87	3.3/2.85/2.47	4.4/3.72/3.22
	Water flow rate	H	l/h	430	568	757
	Water pressure drop	H	kPa	2.6	5	8.1
Heating	Capacity	H/M/L	kW	4.1/3.51/3.03	5.8/5.05/4.35	7.1/6.11/5.33
	Water pressure drop	H	kPa	2.2	4.2	6.9
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	50	65	80
Sound pressure level		H/M/L	dB(A)	37/33/27	38/34/28	38/35/29
Fan motor	Type			Low noise 4-speed fan motor		
	Quantity			1	1	1
Fan	Type			Centrifugal, forward-curved Blades		
	Quantity			1	2	2
Coil	Row			4		
	Max. Working pressure		MPa	1.6		
	Diameter		mm	Φ9.52		
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522
	Net weight		kg	15.3	17.5	20.7
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550
	Gross weight		kg	17.6	20	23.1
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4		
	Drain pipe		mm	ODΦ24		

Note:

1. H: high speed; M: medium speed; L: low speed
2. The data is based on 30Pa 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 temperatre cannot be ＞75°C.

Specifications

Model MKT4-				500G30	600G30	800G30
Air flow		H/M/L	m^3/h	850/640/425	1020/765/510	1360/1020/680
		H/M/L	CFM	500/375/250	600/450/300	800/600/400
External Static pressure			Pa	30	30	30
Cooling	Capacity	H/M/L	kW	4.8/4.18/3.64	6.2/5.38/4.65	8.8/7.43/6.57
	Water flow rate	H	l/h	826	1066	1514
	Water pressure drop	H	kPa	9.8	15.4	12.3
Heating	Capacity	H/M/L	kW	8.5/7.04/6.28	10.5/9.03/7.77	14.5/12.38/10.88
	Water pressure drop	H	kPa	8.1	12.7	10
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	95	110	155
Sound pressure level		H/M/L	dB(A)	40/35/30	41/36/31	42/37/32
Fan motor	Type			Low noise 4-speed fan motor		
	Quantity			1	1	2
Fan	Type			Centrifugal, forward-curved Blades		
	Quantity			2	2	4
Coil	Row			4		
	Max. Working pressure		MPa	1.6		
	Diameter		mm	Φ9.52		
Body	Dimensions	W×H×D	mm	941×241×522	1161×241×522	1461×241×522
	Net weight		kg	20.7	23.5	32.9
	Packing	W×H×D	mm	990×260×550	1210×260×550	1510×260×550
	Gross weight		kg	23.1	26.5	36.5
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4		
	Drain pipe		mm	ODΦ24		

Note:

1. H: high speed; M: medium speed; L: low speed
2. The data is based on 30Pa 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 temperatre cannot be ＞75°C.

Specifications

Model MKT4-				1000G30	1200G30	1400G30
Air flow		H/M/L	m^3/h	1700/1275/850	2040/1530/1020	2380/1785/1190
		H/M/L	CFM	1000/750/500	1200/900/600	1400/1050/700
External Static pressure			Pa	30	30	30
Cooling	Capacity	H/M/L	kW	9.5/8.18/7.06	11.8/9.82/8.74	13/11.23/9.83
	Water flow rate	H	l/h	1634	2030	2236
	Water pressure drop	H	kPa	18	21.2	24.7
Heating	Capacity	H/M/L	kW	16.3/13.45/12.05	16.5/14.05/12.23	17/14.31/12.69
	Water pressure drop	H	kPa	15.4	17.6	20.8
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	180	220	275
Sound pressure level		H/M/L	dB(A)	44/39/33	45/40/34	47/42/36
Fan motor	Type			Low noise 4-speed fan motor		
	Quantity			2	2	2
Fan	Type			Centrifugal, forward-curved Blades		
	Quantity			4	4	4
Coil	Row			4		
	Max. Working pressure		MPa	1.6		
	Diameter		mm	Φ9.52		
Body	Dimensions	W×H×D	mm	1566×241×522	1856×241×522	2022×241×522
	Net weight		kg	35.4	40.5	44.1
	Packing	W×H×D	mm	1615×260×550	1905×260×550	2070×260×550
	Gross weight		kg	39.1	44	49.4
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4		
	Drain pipe		mm	ODΦ24		

Note:

1. H: high speed; M: medium speed; L: low speed
2. The data is based on 30Pa 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 temperatre cannot be ＞75°C.

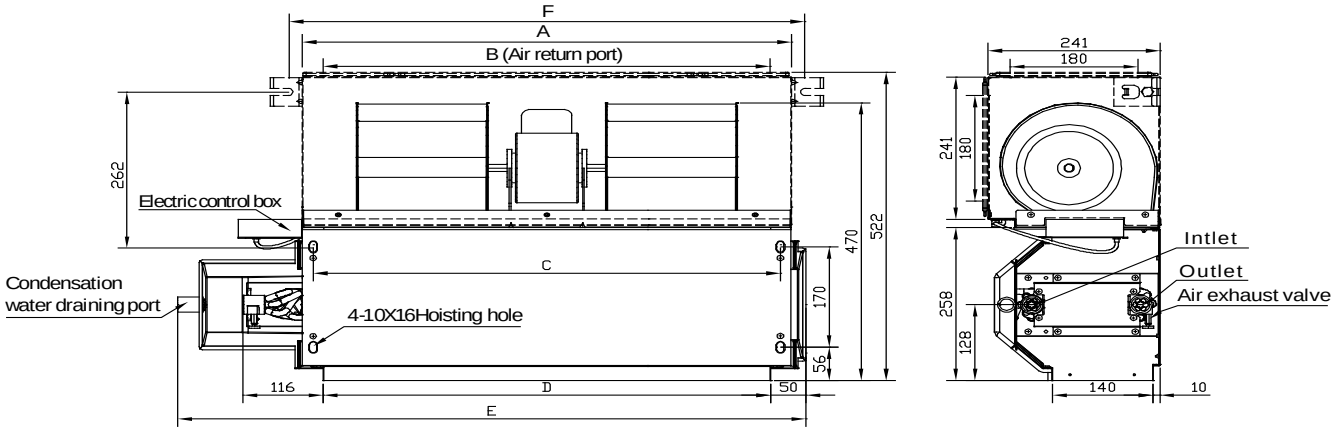
Specifications

Model MKT4-				1500	H-1500G50	2000	H-2000G50
Air flow		H/M/L	m^3/h	2550/2100/1300	2550/2100/1300	3400/2550/1700	3400/2550/1700
		H/M/L	CFM	1500/1240/760	1500/1240/760	2000/1500/1000	2000/1500/1000
External Static pressure			Pa	30	50	30	50
Cooling	Capacity	H/M/L	kW	13.5/11.5/10.1	13.5/11.5/10.1	18/15.3/13.5	18/15.3/13.5
	Water flow rate	H	l/h	2322	2322	3096	3096
	Water pressure drop	H	kPa	11.5	11.5	26.2	26.2
Heating	Capacity	H/M/L	kW	17.5/14.9/13.2	17.5/14.9/13.2	23.4/19.8/17.5	23.4/19.8/17.5
	Water pressure drop	H	kPa	10	10	24.3	24.3
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	236	474	360	665
Sound pressure level		H/M/L	dB(A)	48/44/39	51/47/42	50/46/41	53/49/44
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			2	2	3	3
Coil	Row			4			
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1369×342×612	1369×342×612	1500×342×612	1500×342×612
	Packing	W×H×D	mm	1421×381×619	1421×381×619	1552×381×619	1552×381×619
	Net weight		kg	46	46	57	53.7
	Gross weight		kg	49.8	50	61	58.6
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	ODΦ24			

Note:

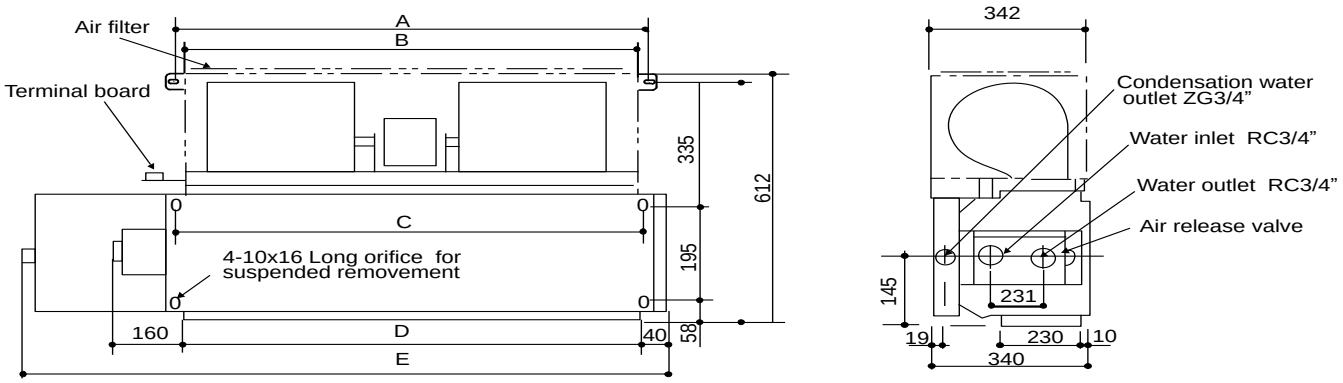
1. H: high speed; M: medium speed; L: low speed
2. The data is based on 30Pa external static pressure.
3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB,19°CWB.
   Heating conditions: entering water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.
4. Noise is tested in semi-anechoic test room.
5. Hot water temperatte cannot be ＞75°C.

7. Dimensions



Unit: mm

Model / Size	200-Model	300-Model	400-Model 500-Model	600-Model	800-Model	1000-Model	1200-Model	1400-Model
A	545	645	745	965	1265	1370	1660	1826
B	484	585	685	905	1205	1310	1600	1766
C	513	613	713	933	1233	1338	1628	1794
D	485	585	685	905	1205	1310	1600	1766
E	741	841	941	1161	1461	1566	1856	2022
F	583	683	783	1003	1303	1408	1698	1864



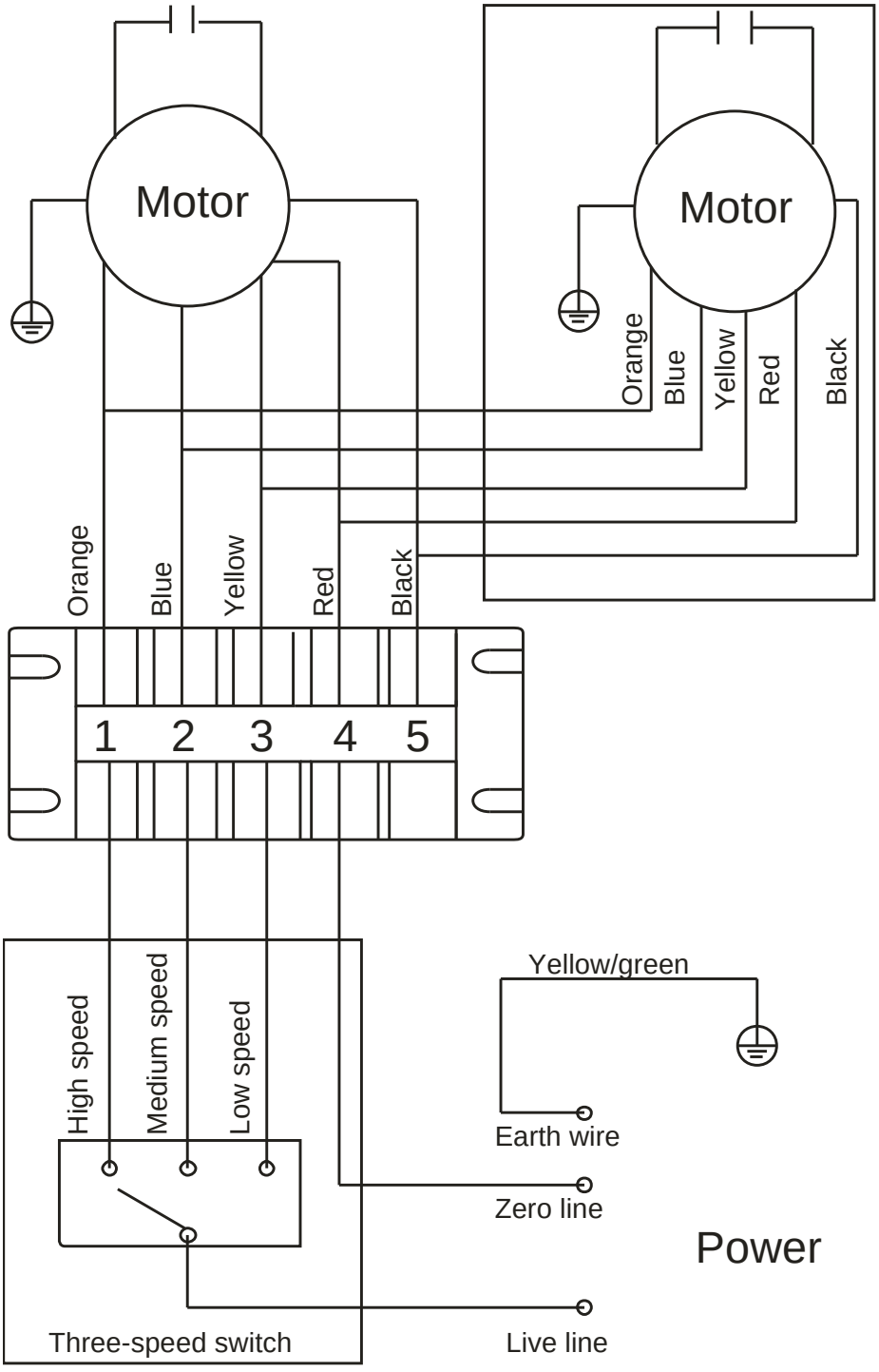
Model / Size	1500-Model	2000-Model
A	1085	1277
B	1135	1327
C	1112	1308
D	1085	1277
E	1369	1500

Note:

- The above figure is only an instance, which would be different from the one that you purchase.
- The dotted line in the figure is the dimension for air return plenum.
- Units with air return plenum is standard, units without air return plenum can be customized.

8. Wiring Diagrams

MKT4-200G30 MKT4-300G30 MKT4-400G30 MKT4-500G30 MKT4-600G30 MKT4-800G30 MKT4-1000G30 MKT4-1200G30 (reserved super high fan speed)

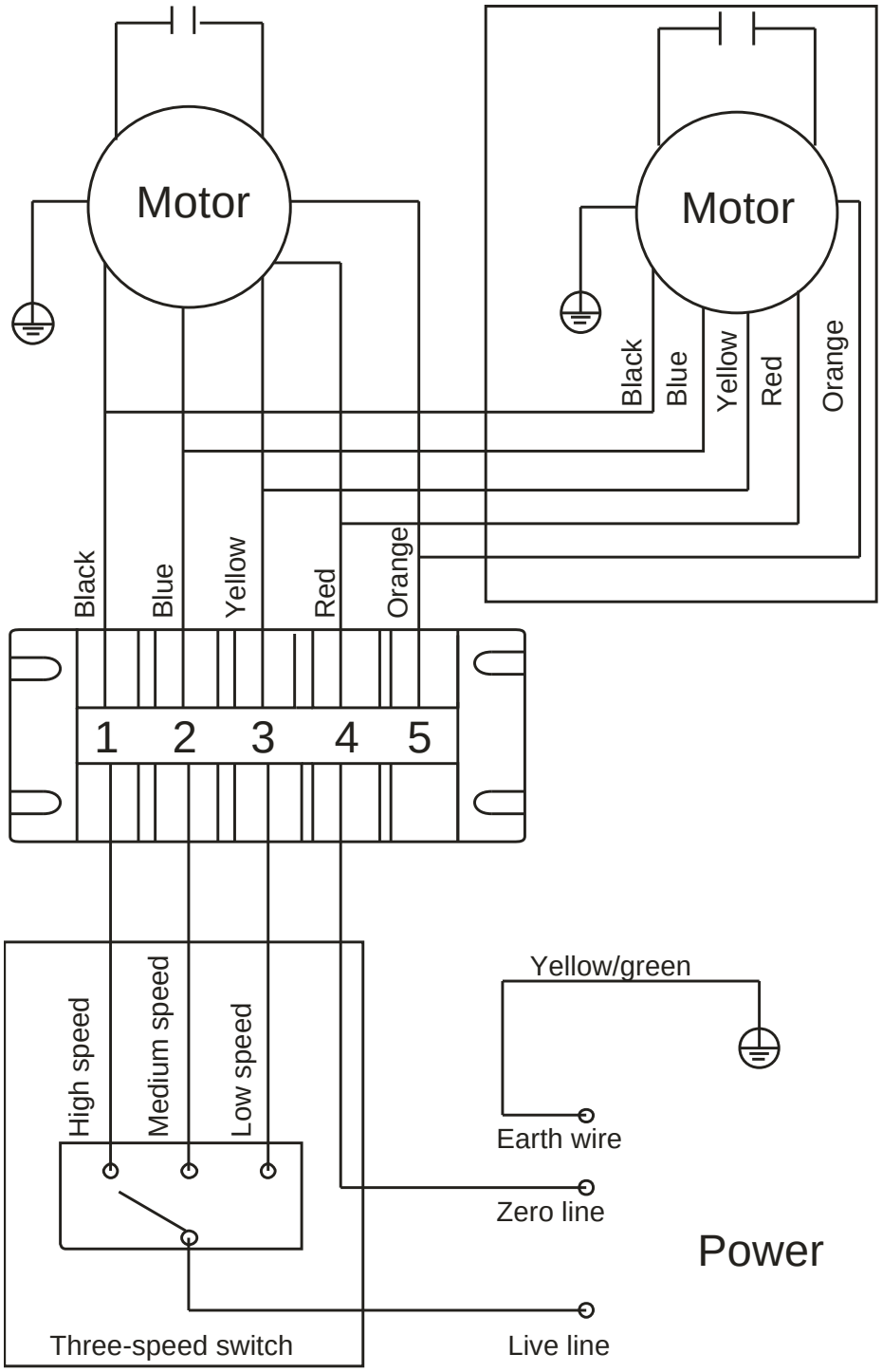


Note:

- Black: supper high fan speed; Orange: high fan speed; Blue: medium fan speed; Yellow: low fan speed.
- Terminal 5 connects with reserved speed.
- Please connect wires properly, or the motor would be burned-out.

Wiring diagrams

MKT4-1400G30 (reserved high fan speed)

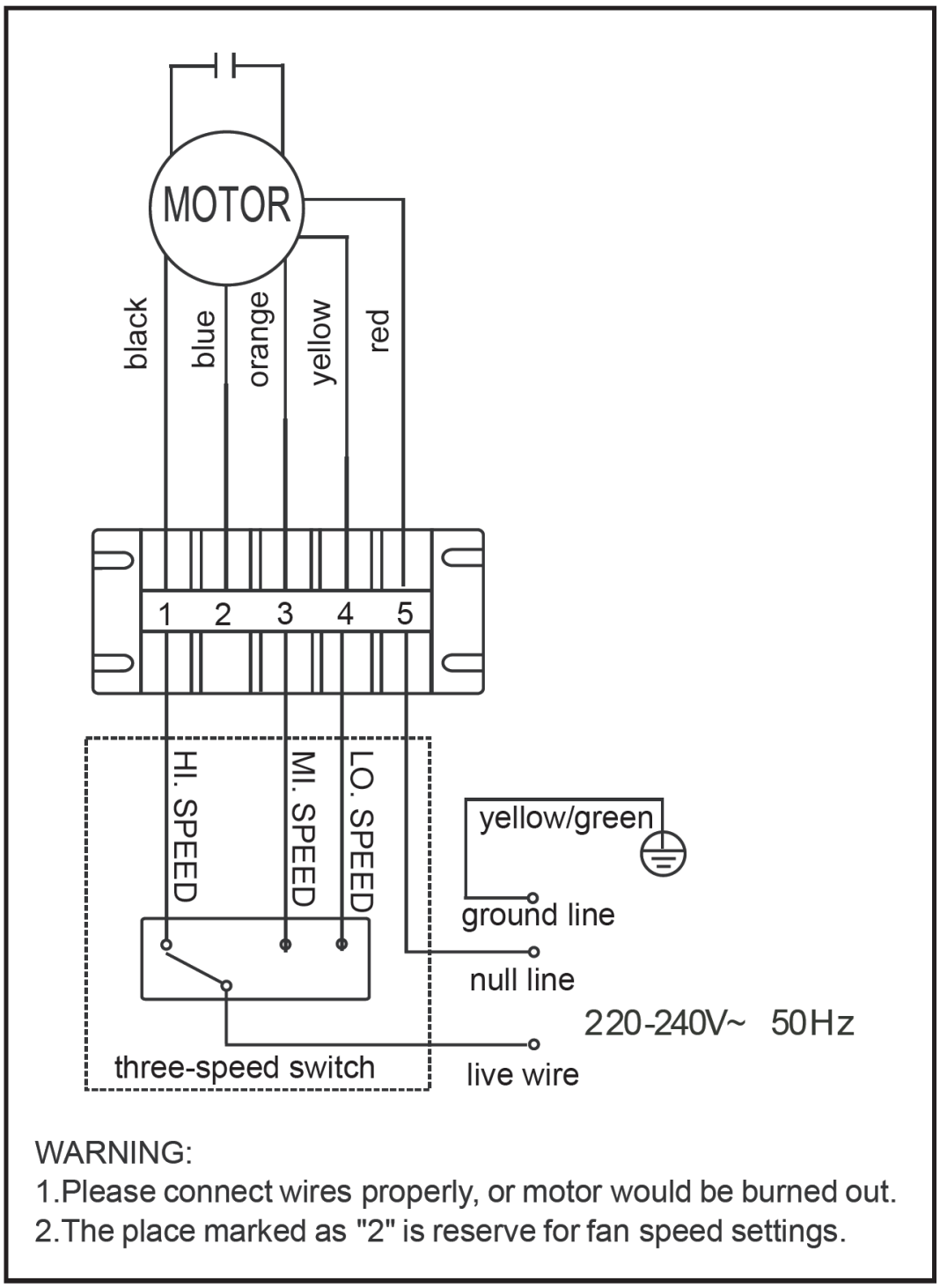


Note:

- Black: supper high fan speed; Orange: high fan speed; Blue: medium fan speed; Yellow: low fan speed.
- Terminal 5 connects with reserved speed.
- Please connect wires properly, or the motor would be burned-out.

Wiring diagrams

MKT4-1500, MKT4 H-1500G50, MKT4-2000, MKT4 H-2000G50



9. Capacity Tables

Cooling Capacities (with fan at high speed and 30Pa static pressure)

Remark:

EWT: Entering 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)

MKT4-200G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	2.07	1.50	0.59	4.9	3.19	1.92	0.91	11.7	3.12	2.00	0.89	11.3	3.48	1.83	1.00	14.0	4.69	2.27	1.34	25.4
	4	1.94	1.42	0.42	2.5	3.06	1.86	0.66	6.1	3.01	1.94	0.65	5.9	3.35	1.77	0.72	7.3	4.55	2.20	0.98	13.4
	5	1.80	1.36	0.31	1.3	2.93	1.80	0.50	3.6	2.87	1.88	0.49	3.4	3.22	2.78	0.55	4.3	4.40	2.16	0.76	8.1
	6	1.64	1.30	0.24	0.8	2.80	1.75	0.40	2.3	2.75	1.82	0.39	2.2	3.08	1.64	0.44	2.7	4.29	2.09	0.62	5.3
	7	1.47	1.22	0.18	0.5	2.66	1.66	0.33	1.5	2.60	1.76	0.32	1.4	2.95	1.57	0.36	1.8	4.15	2.02	0.51	3.7
6	3	1.87	1.41	0.54	4.0	3.01	1.84	0.86	10.4	2.94	1.92	0.84	10.0	3.31	1.75	0.95	12.6	4.51	2.20	1.29	23.5
	4	1.74	1.35	0.37	2.0	2.89	1.78	0.62	5.4	2.82	1.86	0.61	5.2	3.17	1.69	0.68	6.6	4.37	2.13	0.94	12.4
	5	1.60	1.28	0.28	1.1	2.75	1.71	0.47	3.1	2.69	1.80	0.46	3.0	3.05	1.62	0.52	3.9	4.22	2.06	0.73	7.4
	6	1.44	1.23	0.21	0.6	2.62	1.66	0.37	2.0	2.55	1.74	0.37	1.9	2.90	1.55	0.42	2.4	4.11	1.98	0.59	4.9
	7	1.27	1.14	0.16	0.3	2.48	1.59	0.30	1.3	2.42	1.69	0.30	1.2	2.77	1.49	0.34	1.6	3.97	1.95	0.49	3.3
7	3	1.67	1.33	0.48	3.2	2.81	1.75	0.80	9.1	2.75	1.84	0.79	8.7	3.11	1.66	0.89	11.2	4.29	2.09	1.23	21.3
	4	1.53	1.28	0.33	1.5	2.69	1.69	0.58	4.7	2.62	1.78	0.56	4.5	2.99	1.61	0.64	5.8	4.18	2.06	0.90	11.4
	5	1.39	1.22	0.24	0.8	2.55	1.63	0.44	2.7	2.5	1.72	0.43	2.6	2.85	1.54	0.49	3.4	4.04	1.98	0.69	6.8
	6	1.22	1.15	0.17	0.4	2.42	1.58	0.35	1.7	2.38	1.66	0.34	1.6	2.72	1.47	0.39	2.1	3.93	1.91	0.56	4.5
	7	1.06	1.06	0.13	0.2	2.29	1.51	0.28	1.1	2.22	1.61	0.27	1.0	2.57	1.41	0.32	1.4	3.79	1.84	0.47	3.0
8	3	1.46	1.26	0.42	2.5	2.62	1.68	0.75	7.9	2.55	1.76	0.73	7.5	2.93	1.57	0.84	9.9	4.11	2.02	1.18	19.5
	4	1.32	1.22	0.28	1.1	2.50	1.62	0.54	4.1	2.42	1.72	0.52	3.8	2.78	1.52	0.60	5.0	3.97	1.95	0.85	10.2
	5	1.17	1.14	0.20	0.6	2.37	1.55	0.41	2.3	2.30	1.65	0.40	2.2	2.67	1.46	0.46	3.0	3.86	1.88	0.66	6.2
	6	1.05	1.05	0.15	0.3	2.22	1.50	0.32	1.4	2.18	1.59	0.31	1.4	2.53	1.39	0.36	1.9	3.72	1.84	0.53	4.0
	7	0.92	0.92	0.11	0.2	2.09	1.44	0.26	0.9	2.02	1.53	0.25	0.9	2.37	1.33	0.29	1.2	3.59	1.77	0.44	2.7
9	3	1.25	1.19	0.36	1.8	2.43	1.60	0.70	6.8	2.36	1.68	0.68	6.5	2.73	1.49	0.78	8.6	3.93	1.95	1.13	17.9
	4	1.14	1.14	0.24	0.8	2.29	1.54	0.49	3.4	2.23	1.63	0.48	3.2	2.59	1.44	0.56	4.4	3.79	1.88	0.81	9.3
	5	1.05	1.02	0.18	0.5	2.17	1.48	0.37	2.0	2.10	1.58	0.36	1.8	2.46	1.37	0.42	2.5	3.68	1.80	0.63	5.6
	6	0.92	0.92	0.13	0.2	2.03	1.42	0.29	1.2	1.96	1.53	0.28	1.1	2.33	1.31	0.33	1.6	3.52	1.76	0.51	3.6
	7	0.75	0.75	0.09	0.1	1.88	1.36	0.23	0.7	1.81	1.46	0.22	0.7	2.17	1.25	0.27	1.0	3.41	1.70	0.42	2.5
10	3	1.10	1.10	0.32	1.4	2.23	1.52	0.64	5.7	2.14	1.62	0.61	5.3	2.54	1.41	0.73	7.5	3.75	1.84	1.08	16.3
	4	1.01	1.01	0.22	0.7	2.09	1.46	0.45	2.8	2.02	1.57	0.43	2.7	2.39	1.36	0.51	3.7	3.60	1.80	0.77	8.4
	5	0.91	0.91	0.16	0.3	1.96	1.41	0.34	1.6	1.87	1.52	0.32	1.5	2.27	1.30	0.39	2.1	3.48	1.74	0.60	5.1
	6	0.78	0.78	0.11	0.2	1.82	1.35	0.26	1.0	1.74	1.46	0.25	0.9	2.12	1.23	0.30	1.3	3.33	1.69	0.48	3.2
	7	0.49	0.49	0.06	0.1	1.66	1.30	0.20	0.6	1.58	1.40	0.19	0.5	1.98	1.17	0.24	0.8	3.19	1.62	0.39	2.2
11	3	0.97	0.97	0.28	1.1	2.01	1.45	0.58	4.7	1.94	1.54	0.56	4.4	2.33	1.34	0.67	6.3	3.54	1.77	1.01	14.5
	4	0.89	0.89	0.19	0.5	1.89	1.40	0.41	2.3	1.81	1.49	0.39	2.1	2.20	1.28	0.47	3.2	3.39	1.72	0.73	7.5
	5	0.77	0.77	0.13	0.2	1.74	1.35	0.30	1.3	1.66	1.45	0.29	1.2	2.06	1.22	0.35	1.8	3.29	1.66	0.57	4.5
	6	0.61	0.61	0.09	0.1	1.59	1.29	0.23	0.7	1.53	1.39	0.22	0.7	1.91	1.16	0.27	1.1	3.13	1.62	0.45	2.8
	7	0.41	0.41	0.05	0.0	1.41	1.24	0.17	0.4	1.36	1.36	0.17	0.4	1.76	1.09	0.22	0.7	2.99	1.55	0.37	1.9
12	3	0.86	0.86	0.25	0.9	1.80	1.38	0.52	3.7	1.71	1.49	0.49	3.4	2.12	1.27	0.61	5.2	3.34	1.70	0.96	12.9
	4	0.76	0.76	0.16	0.4	1.67	1.33	0.36	1.8	1.58	1.44	0.34	1.6	1.99	1.21	0.43	2.6	3.20	1.65	0.69	6.7
	5	0.65	0.65	0.11	0.2	1.52	1.29	0.26	1.0	1.44	1.39	0.25	0.9	1.85	1.15	0.32	1.4	3.08	1.59	0.53	3.9
	6	0.39	0.39	0.06	0.0	1.35	1.24	0.19	0.5	1.34	1.31	0.19	0.5	1.70	1.09	0.24	0.8	2.93	1.54	0.42	2.5
	7	0.32	0.32	0.04	0.0	1.20	1.20	0.15	0.3	1.23	1.23	0.15	0.3	1.54	1.02	0.19	0.5	2.78	1.48	0.34	1.6
13	3	0.74	0.74	0.21	0.6	1.57	1.32	0.45	2.9	1.48	1.43	0.43	2.5	1.91	1.19	0.55	4.2	3.13	1.63	0.90	11.3
	4	0.63	0.63	0.14	0.3	1.44	1.27	0.31	1.3	1.39	1.36	0.30	1.3	1.77	1.14	0.38	2.0	2.99	1.57	0.64	5.8
	5	0.45	0.45	0.08	0.1	1.28	1.26	0.22	0.7	1.30	1.30	0.22	0.7	1.63	1.08	0.28	1.1	2.86	1.51	0.49	3.4
	6	0.30	0.30	0.04	0.0	1.17	1.17	0.17	0.4	1.21	1.21	0.17	0.4	1.48	1.02	0.21	0.6	2.71	1.47	0.39	2.1
	7	0.22	0.22	0.03	0.0	1.07	1.07	0.13	0.2	1.11	1.11	0.14	0.3	1.29	0.97	0.16	0.4	2.57	1.41	0.32	1.4

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-300G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	2.73	1.98	0.78	9.5	4.20	2.53	1.21	22.5	4.12	2.64	1.18	21.6	4.60	2.41	1.32	27.0	6.19	3.00	1.77	48.9
	4	2.57	1.87	0.55	4.7	4.04	2.46	0.87	11.7	3.98	2.57	0.85	11.3	4.42	2.33	0.95	14.0	6.00	2.90	1.29	25.8
	5	2.37	1.79	0.41	2.6	3.87	2.37	0.67	6.9	3.79	2.49	0.65	6.6	4.25	3.67	0.73	8.3	5.81	2.86	1.00	15.5
	6	2.17	1.71	0.31	1.5	3.70	2.30	0.53	4.4	3.62	2.40	0.52	4.2	4.06	2.16	0.58	5.3	5.67	2.76	0.81	10.2
	7	1.94	1.60	0.24	0.9	3.51	2.20	0.43	2.9	3.43	2.32	0.42	2.8	3.89	2.08	0.48	3.5	5.48	2.67	0.67	7.0
6	3	2.47	1.87	0.71	7.8	3.97	2.43	1.14	20.1	3.88	2.54	1.11	19.2	4.37	2.30	1.25	24.3	5.95	2.90	1.71	45.2
	4	2.29	1.78	0.49	3.8	3.81	2.35	0.82	10.4	3.72	2.45	0.80	9.9	4.19	2.23	0.90	12.6	5.76	2.81	1.24	23.8
	5	2.11	1.70	0.36	2.1	3.62	2.26	0.62	6.0	3.55	2.38	0.61	5.8	4.02	2.14	0.69	7.4	5.57	2.71	0.96	14.3
	6	1.90	1.62	0.27	1.2	3.45	2.20	0.49	3.8	3.37	2.29	0.48	3.6	3.82	2.05	0.55	4.7	5.43	2.62	0.78	9.4
	7	1.67	1.50	0.21	0.7	3.27	2.10	0.40	2.5	3.19	2.23	0.39	2.4	3.65	1.96	0.45	3.1	5.24	2.57	0.64	6.4
7	3	2.20	1.75	0.63	6.2	3.70	2.31	1.06	17.5	3.62	2.43	1.04	16.7	4.11	2.19	1.18	21.5	5.67	2.76	1.62	41.0
	4	2.02	1.69	0.44	2.9	3.55	2.23	0.76	9.1	3.46	2.35	0.74	8.6	3.95	2.12	0.85	11.2	5.52	2.71	1.19	21.9
	5	1.83	1.60	0.31	1.5	3.37	2.15	0.58	5.2	3.3	2.27	0.57	5	3.76	2.03	0.65	6.5	5.33	2.62	0.92	13.1
	6	1.61	1.52	0.23	0.8	3.20	2.09	0.46	3.3	3.14	2.19	0.45	3.1	3.59	1.94	0.51	4.1	5.19	2.52	0.74	8.6
	7	1.40	1.40	0.17	0.5	3.02	2.00	0.37	2.1	2.92	2.12	0.36	2.0	3.40	1.86	0.42	2.7	5.00	2.43	0.61	5.9
8	3	1.93	1.66	0.55	4.8	3.45	2.21	0.99	15.2	3.37	2.32	0.97	14.5	3.86	2.07	1.11	19.0	5.43	2.67	1.56	37.6
	4	1.74	1.61	0.37	2.2	3.30	2.14	0.71	7.8	3.20	2.27	0.69	7.3	3.68	2.01	0.79	9.7	5.24	2.57	1.13	19.7
	5	1.54	1.51	0.27	1.1	3.13	2.05	0.54	4.5	3.04	2.17	0.52	4.2	3.52	1.93	0.61	5.7	5.10	2.48	0.88	11.9
	6	1.39	1.39	0.20	0.6	2.93	1.99	0.42	2.7	2.87	2.10	0.41	2.6	3.34	1.84	0.48	3.6	4.90	2.43	0.70	7.7
	7	1.21	1.21	0.15	0.3	2.76	1.90	0.34	1.8	2.67	2.02	0.33	1.7	3.13	1.76	0.38	2.3	4.73	2.34	0.58	5.2
9	3	1.65	1.57	0.47	3.5	3.21	2.11	0.92	13.1	3.12	2.22	0.89	12.4	3.60	1.97	1.03	16.6	5.19	2.57	1.49	34.4
	4	1.50	1.50	0.32	1.6	3.03	2.04	0.65	6.6	2.94	2.15	0.63	6.2	3.42	1.90	0.74	8.4	5.00	2.48	1.08	17.9
	5	1.39	1.34	0.24	0.9	2.87	1.95	0.49	3.8	2.78	2.08	0.48	3.5	3.25	1.81	0.56	4.9	4.86	2.38	0.84	10.8
	6	1.21	1.21	0.17	0.5	2.68	1.88	0.38	2.3	2.58	2.01	0.37	2.1	3.08	1.73	0.44	3.0	4.65	2.33	0.67	6.9
	7	0.99	0.99	0.12	0.2	2.48	1.79	0.30	1.4	2.39	1.92	0.29	1.3	2.87	1.65	0.35	1.9	4.50	2.24	0.55	4.7
10	3	1.46	1.46	0.42	2.7	2.94	2.00	0.84	11.0	2.82	2.14	0.81	10.2	3.35	1.87	0.96	14.3	4.95	2.43	1.42	31.3
	4	1.34	1.34	0.29	1.3	2.76	1.93	0.59	5.5	2.67	2.07	0.57	5.1	3.16	1.80	0.68	7.2	4.75	2.38	1.02	16.2
	5	1.20	1.20	0.21	0.7	2.58	1.87	0.44	3.1	2.47	2.00	0.43	2.8	2.99	1.71	0.51	4.1	4.60	2.30	0.79	9.7
	6	1.02	1.02	0.15	0.3	2.40	1.79	0.34	1.8	2.30	1.92	0.33	1.7	2.80	1.63	0.40	2.5	4.40	2.23	0.63	6.2
	7	0.65	0.65	0.08	0.1	2.20	1.71	0.27	1.1	2.09	1.85	0.26	1.0	2.61	1.55	0.32	1.6	4.20	2.14	0.52	4.1
11	3	1.29	1.29	0.37	2.1	2.66	1.91	0.76	9.0	2.56	2.04	0.73	8.4	3.08	1.77	0.88	12.1	4.67	2.34	1.34	27.8
	4	1.18	1.18	0.25	1.0	2.49	1.85	0.54	4.4	2.39	1.96	0.51	4.1	2.91	1.70	0.63	6.1	4.48	2.28	0.96	14.4
	5	1.02	1.02	0.18	0.5	2.30	1.78	0.40	2.4	2.20	1.91	0.38	2.2	2.72	1.61	0.47	3.4	4.34	2.20	0.75	8.6
	6	0.81	0.81	0.12	0.2	2.10	1.70	0.30	1.4	2.01	1.83	0.29	1.3	2.52	1.53	0.36	2.0	4.14	2.14	0.59	5.5
	7	0.55	0.55	0.07	0.1	1.87	1.64	0.23	0.8	1.80	1.80	0.22	0.8	2.32	1.44	0.29	1.3	3.95	2.05	0.48	3.7
12	3	1.13	1.13	0.32	1.6	2.38	1.82	0.68	7.2	2.26	1.97	0.65	6.5	2.80	1.67	0.80	10.0	4.41	2.25	1.26	24.8
	4	1.00	1.00	0.22	0.7	2.20	1.76	0.47	3.5	2.09	1.90	0.45	3.1	2.63	1.60	0.57	5.0	4.22	2.18	0.91	12.8
	5	0.86	0.86	0.15	0.3	2.01	1.70	0.35	1.9	1.90	1.84	0.33	1.7	2.44	1.52	0.42	2.7	4.06	2.10	0.70	7.6
	6	0.52	0.52	0.07	0.1	1.79	1.64	0.26	1.0	1.77	1.73	0.25	1.0	2.24	1.44	0.32	1.6	3.87	2.04	0.55	4.8
	7	0.43	0.43	0.05	0.0	1.58	1.58	0.19	0.6	1.63	1.63	0.20	0.6	2.03	1.35	0.25	1.0	3.68	1.96	0.45	3.2
13	3	0.98	0.98	0.28	1.2	2.08	1.74	0.60	5.5	1.96	1.89	0.56	4.9	2.52	1.58	0.72	8.1	4.13	2.16	1.18	21.7
	4	0.83	0.83	0.18	0.5	1.90	1.68	0.41	2.6	1.83	1.80	0.39	2.4	2.34	1.50	0.50	3.9	3.95	2.08	0.85	11.2
	5	0.60	0.60	0.10	0.2	1.70	1.66	0.29	1.3	1.71	1.71	0.29	1.3	2.16	1.43	0.37	2.1	3.78	2.00	0.65	6.5
	6	0.40	0.40	0.06	0.1	1.54	1.54	0.22	0.8	1.60	1.60	0.23	0.8	1.95	1.35	0.28	1.2	3.58	1.94	0.51	4.1
	7	0.30	0.30	0.04	0.0	1.41	1.41	0.17	0.5	1.47	1.47	0.18	0.5	1.70	1.28	0.21	0.7	3.40	1.86	0.42	2.7

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-400G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	3.64	2.64	1.04	15.4	5.61	3.38	1.61	36.5	5.49	3.52	1.57	35.1	6.13	3.22	1.76	43.7	8.25	4.00	2.37	79.2
	4	3.42	2.50	0.74	7.7	5.39	3.28	1.16	19.0	5.30	3.42	1.14	18.4	5.89	3.11	1.27	22.7	8.00	3.87	1.72	41.8
	5	3.16	2.39	0.54	4.2	5.16	3.16	0.89	11.1	5.05	3.31	0.87	10.7	5.66	4.90	0.97	13.4	7.75	3.81	1.33	25.1
	6	2.89	2.29	0.41	2.4	4.93	3.07	0.71	7.1	4.83	3.20	0.69	6.8	5.42	2.88	0.78	8.5	7.56	3.68	1.08	16.6
	7	2.59	2.14	0.32	1.4	4.69	2.93	0.58	4.7	4.58	3.09	0.56	4.5	5.19	2.77	0.64	5.7	7.30	3.56	0.90	11.4
6	3	3.29	2.49	0.94	12.6	5.29	3.24	1.52	32.5	5.17	3.38	1.48	31.0	5.82	3.07	1.67	39.4	7.94	3.87	2.28	73.2
	4	3.05	2.37	0.66	6.1	5.08	3.13	1.09	16.9	4.96	3.27	1.07	16.1	5.59	2.97	1.20	20.4	7.68	3.75	1.65	38.6
	5	2.82	2.26	0.48	3.3	4.83	3.02	0.83	9.8	4.74	3.17	0.81	9.4	5.37	2.86	0.92	12.0	7.43	3.62	1.28	23.1
	6	2.53	2.16	0.36	1.9	4.60	2.93	0.66	6.2	4.50	3.05	0.64	5.9	5.10	2.73	0.73	7.6	7.24	3.49	1.04	15.2
	7	2.23	2.01	0.27	1.1	4.36	2.79	0.54	4.1	4.25	2.97	0.52	3.9	4.87	2.62	0.60	5.1	6.98	3.43	0.86	10.4
7	3	2.94	2.34	0.84	10.0	4.94	3.09	1.42	28.4	4.83	3.24	1.39	27.1	5.48	2.92	1.57	34.9	7.56	3.68	2.17	66.3
	4	2.70	2.25	0.58	4.8	4.74	2.98	1.02	14.7	4.61	3.14	0.99	13.9	5.26	2.83	1.13	18.1	7.37	3.62	1.58	35.5
	5	2.44	2.14	0.42	2.5	4.50	2.87	0.77	8.5	4.4	3.03	0.76	8.1	5.01	2.71	0.86	10.5	7.11	3.49	1.22	21.2
	6	2.15	2.03	0.31	1.3	4.26	2.79	0.61	5.3	4.18	2.92	0.60	5.1	4.78	2.59	0.69	6.6	6.92	3.37	0.99	13.9
	7	1.86	1.86	0.23	0.7	4.03	2.66	0.50	3.5	3.90	2.83	0.48	3.2	4.53	2.48	0.56	4.4	6.67	3.24	0.82	9.5
8	3	2.58	2.22	0.74	7.7	4.60	2.95	1.32	24.6	4.50	3.09	1.29	23.5	5.15	2.76	1.48	30.8	7.24	3.56	2.07	60.9
	4	2.32	2.15	0.50	3.5	4.40	2.85	0.95	12.7	4.27	3.02	0.92	11.9	4.90	2.68	1.05	15.7	6.98	3.43	1.50	31.9
	5	2.06	2.01	0.35	1.8	4.18	2.73	0.72	7.3	4.05	2.90	0.70	6.9	4.69	2.57	0.81	9.2	6.79	3.30	1.17	19.3
	6	1.85	1.85	0.26	1.0	3.90	2.65	0.56	4.4	3.83	2.79	0.55	4.3	4.46	2.45	0.64	5.8	6.54	3.24	0.94	12.4
	7	1.61	1.61	0.20	0.6	3.68	2.53	0.45	2.9	3.56	2.70	0.44	2.7	4.17	2.35	0.51	3.7	6.31	3.12	0.78	8.5
9	3	2.20	2.09	0.63	5.6	4.28	2.82	1.23	21.3	4.16	2.96	1.19	20.1	4.81	2.63	1.38	26.8	6.92	3.43	1.98	55.7
	4	2.00	2.00	0.43	2.6	4.04	2.72	0.87	10.7	3.92	2.87	0.84	10.0	4.56	2.53	0.98	13.6	6.67	3.30	1.43	29.1
	5	1.85	1.79	0.32	1.4	3.82	2.60	0.66	6.1	3.70	2.77	0.64	5.7	4.34	2.42	0.75	7.9	6.48	3.17	1.11	17.5
	6	1.62	1.62	0.23	0.8	3.57	2.51	0.51	3.7	3.44	2.69	0.49	3.4	4.11	2.30	0.59	4.9	6.20	3.10	0.89	11.2
	7	1.32	1.32	0.16	0.4	3.30	2.39	0.41	2.3	3.19	2.57	0.39	2.2	3.82	2.20	0.47	3.1	5.99	2.99	0.74	7.7
10	3	1.94	1.94	0.56	4.4	3.92	2.67	1.12	17.9	3.77	2.85	1.08	16.5	4.47	2.49	1.28	23.2	6.60	3.24	1.89	50.7
	4	1.78	1.78	0.38	2.1	3.68	2.57	0.79	8.9	3.56	2.76	0.76	8.3	4.21	2.39	0.91	11.6	6.33	3.17	1.36	26.2
	5	1.59	1.59	0.27	1.1	3.44	2.49	0.59	5.0	3.30	2.67	0.57	4.5	3.99	2.29	0.69	6.7	6.13	3.06	1.05	15.7
	6	1.37	1.37	0.20	0.5	3.21	2.38	0.46	3.0	3.06	2.57	0.44	2.7	3.73	2.17	0.53	4.0	5.87	2.98	0.84	10.0
	7	0.87	0.87	0.11	0.2	2.93	2.28	0.36	1.8	2.79	2.47	0.34	1.7	3.49	2.06	0.43	2.6	5.61	2.86	0.69	6.7
11	3	1.71	1.71	0.49	3.4	3.54	2.55	1.02	14.6	3.42	2.72	0.98	13.6	4.11	2.36	1.18	19.6	6.23	3.12	1.79	45.1
	4	1.57	1.57	0.34	1.6	3.32	2.46	0.71	7.2	3.19	2.62	0.69	6.6	3.88	2.26	0.83	9.8	5.97	3.03	1.28	23.3
	5	1.36	1.36	0.23	0.8	3.07	2.37	0.53	3.9	2.93	2.55	0.50	3.6	3.63	2.15	0.62	5.5	5.78	2.93	0.99	14.0
	6	1.08	1.08	0.15	0.3	2.79	2.27	0.40	2.3	2.69	2.44	0.38	2.1	3.37	2.04	0.48	3.3	5.52	2.85	0.79	8.8
	7	0.73	0.73	0.09	0.1	2.49	2.19	0.31	1.3	2.40	2.40	0.29	1.2	3.10	1.92	0.38	2.0	5.26	2.73	0.65	5.9
12	3	1.51	1.51	0.43	2.7	3.17	2.43	0.91	11.7	3.02	2.62	0.86	10.6	3.73	2.23	1.07	16.2	5.88	3.00	1.69	40.2
	4	1.33	1.33	0.29	1.2	2.93	2.35	0.63	5.6	2.79	2.53	0.60	5.1	3.51	2.13	0.75	8.1	5.63	2.90	1.21	20.7
	5	1.15	1.15	0.20	0.6	2.68	2.27	0.46	3.0	2.54	2.45	0.44	2.7	3.26	2.03	0.56	4.4	5.42	2.79	0.93	12.3
	6	0.69	0.69	0.10	0.1	2.38	2.19	0.34	1.6	2.36	2.31	0.34	1.6	2.98	1.92	0.43	2.6	5.16	2.72	0.74	7.7
	7	0.57	0.57	0.07	0.1	2.11	2.11	0.26	0.9	2.17	2.17	0.27	1.0	2.71	1.80	0.33	1.6	4.90	2.61	0.60	5.1
13	3	1.30	1.30	0.37	2.0	2.77	2.32	0.79	8.9	2.61	2.52	0.75	7.9	3.37	2.10	0.96	13.2	5.50	2.88	1.58	35.2
	4	1.11	1.11	0.24	0.8	2.53	2.23	0.54	4.2	2.44	2.40	0.53	3.9	3.12	2.00	0.67	6.4	5.27	2.77	1.13	18.2
	5	0.80	0.80	0.14	0.3	2.26	2.21	0.39	2.1	2.29	2.29	0.39	2.2	2.88	1.90	0.49	3.5	5.03	2.66	0.87	10.6
	6	0.53	0.53	0.08	0.1	2.06	2.06	0.29	1.2	2.13	2.13	0.30	1.3	2.60	1.80	0.37	2.0	4.77	2.59	0.68	6.6
	7	0.39	0.39	0.05	0.0	1.88	1.88	0.23	0.8	1.96	1.96	0.24	0.8	2.27	1.70	0.28	1.1	4.53	2.48	0.56	4.4

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-500G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	3.97	2.88	1.14	18.6	6.12	3.68	1.75	44.2	5.99	3.84	1.72	42.4	6.69	3.51	1.92	52.9	9.00	4.36	2.58	95.8
	4	3.73	2.72	0.80	9.3	5.88	3.57	1.26	23.0	5.78	3.73	1.24	22.2	6.43	3.39	1.38	27.5	8.73	4.23	1.88	50.6
	5	3.45	2.60	0.59	5.1	5.62	3.45	0.97	13.5	5.51	3.62	0.95	12.9	6.18	5.34	1.06	16.2	8.45	4.16	1.45	30.4
	6	3.15	2.49	0.45	2.9	5.37	3.35	0.77	8.5	5.27	3.49	0.76	8.2	5.91	3.14	0.85	10.3	8.24	4.02	1.18	20.1
	7	2.83	2.33	0.35	1.7	5.11	3.19	0.63	5.7	4.99	3.37	0.61	5.4	5.66	3.02	0.70	6.9	7.97	3.88	0.98	13.8
6	3	3.59	2.72	1.03	15.2	5.77	3.54	1.65	39.3	5.64	3.69	1.62	37.6	6.35	3.35	1.82	47.7	8.66	4.23	2.48	88.6
	4	3.33	2.58	0.72	7.4	5.54	3.41	1.19	20.4	5.41	3.57	1.16	19.4	6.10	3.24	1.31	24.7	8.38	4.09	1.80	46.7
	5	3.08	2.47	0.53	4.0	5.27	3.29	0.91	11.8	5.17	3.46	0.89	11.4	5.85	3.12	1.01	14.6	8.10	3.95	1.39	27.9
	6	2.76	2.35	0.40	2.3	5.02	3.19	0.72	7.4	4.90	3.33	0.70	7.1	5.56	2.98	0.80	9.1	7.90	3.81	1.13	18.4
	7	2.43	2.19	0.30	1.3	4.76	3.05	0.58	4.9	4.64	3.24	0.57	4.7	5.31	2.85	0.65	6.1	7.62	3.74	0.94	12.6
7	3	3.21	2.55	0.92	12.2	5.39	3.37	1.54	34.3	5.27	3.54	1.51	32.8	5.98	3.19	1.71	42.2	8.24	4.02	2.36	80.3
	4	2.94	2.45	0.63	5.8	5.17	3.25	1.11	17.7	5.03	3.42	1.08	16.8	5.74	3.08	1.23	21.9	8.03	3.95	1.73	42.9
	5	2.66	2.33	0.46	3.0	4.90	3.13	0.84	10.2	4.8	3.30	0.83	9.8	5.46	2.96	0.94	12.7	7.76	3.81	1.33	25.6
	6	2.34	2.22	0.34	1.6	4.65	3.04	0.67	6.4	4.56	3.19	0.65	6.2	5.22	2.83	0.75	8.0	7.55	3.67	1.08	16.8
	7	2.03	2.03	0.25	0.9	4.40	2.90	0.54	4.2	4.25	3.09	0.52	3.9	4.94	2.71	0.61	5.3	7.27	3.53	0.89	11.5
8	3	2.81	2.42	0.81	9.3	5.02	3.22	1.44	29.8	4.90	3.37	1.41	28.4	5.62	3.01	1.61	37.3	7.90	3.88	2.26	73.7
	4	2.54	2.34	0.55	4.3	4.80	3.11	1.03	15.3	4.65	3.30	1.00	14.4	5.35	2.92	1.15	19.0	7.62	3.74	1.64	38.6
	5	2.24	2.20	0.39	2.1	4.56	2.98	0.78	8.8	4.42	3.16	0.76	8.3	5.12	2.81	0.88	11.1	7.41	3.60	1.27	23.4
	6	2.02	2.02	0.29	1.2	4.26	2.89	0.61	5.4	4.18	3.05	0.60	5.2	4.86	2.67	0.70	7.0	7.13	3.53	1.02	15.0
	7	1.76	1.76	0.22	0.7	4.01	2.76	0.49	3.5	3.89	2.94	0.48	3.3	4.55	2.56	0.56	4.5	6.88	3.40	0.85	10.3
9	3	2.40	2.28	0.69	6.8	4.67	3.08	1.34	25.7	4.54	3.23	1.30	24.3	5.24	2.87	1.50	32.5	7.55	3.74	2.16	67.3
	4	2.18	2.18	0.47	3.2	4.41	2.96	0.95	12.9	4.27	3.13	0.92	12.1	4.97	2.76	1.07	16.4	7.27	3.60	1.56	35.2
	5	2.02	1.95	0.35	1.7	4.17	2.84	0.72	7.4	4.04	3.03	0.69	6.9	4.73	2.64	0.81	9.5	7.06	3.46	1.22	21.2
	6	1.77	1.77	0.25	0.9	3.89	2.74	0.56	4.5	3.75	2.93	0.54	4.2	4.48	2.51	0.64	5.9	6.77	3.39	0.97	13.5
	7	1.44	1.44	0.18	0.5	3.60	2.60	0.44	2.8	3.48	2.80	0.43	2.6	4.17	2.40	0.51	3.8	6.54	3.26	0.80	9.3
10	3	2.12	2.12	0.61	5.3	4.28	2.92	1.23	21.6	4.11	3.11	1.18	19.9	4.88	2.72	1.40	28.1	7.20	3.53	2.06	61.3
	4	1.95	1.95	0.42	2.5	4.02	2.81	0.86	10.7	3.88	3.01	0.83	10.0	4.59	2.61	0.99	14.0	6.91	3.46	1.48	31.7
	5	1.74	1.74	0.30	1.3	3.75	2.72	0.65	6.0	3.59	2.91	0.62	5.5	4.35	2.49	0.75	8.0	6.69	3.34	1.15	19.0
	6	1.49	1.49	0.21	0.7	3.50	2.60	0.50	3.6	3.34	2.80	0.48	3.3	4.07	2.37	0.58	4.9	6.40	3.25	0.92	12.1
	7	0.95	0.95	0.12	0.2	3.19	2.49	0.39	2.2	3.04	2.69	0.37	2.0	3.80	2.25	0.47	3.1	6.12	3.12	0.75	8.1
11	3	1.87	1.87	0.54	4.1	3.86	2.78	1.11	17.6	3.73	2.96	1.07	16.4	4.48	2.57	1.28	23.7	6.79	3.40	1.95	54.6
	4	1.71	1.71	0.37	1.9	3.62	2.69	0.78	8.7	3.48	2.85	0.75	8.0	4.23	2.47	0.91	11.9	6.52	3.31	1.40	28.2
	5	1.48	1.48	0.25	0.9	3.35	2.58	0.58	4.8	3.19	2.78	0.55	4.3	3.95	2.35	0.68	6.7	6.31	3.19	1.09	16.9
	6	1.18	1.18	0.17	0.4	3.05	2.48	0.44	2.7	2.93	2.66	0.42	2.5	3.67	2.23	0.53	4.0	6.02	3.11	0.86	10.7
	7	0.80	0.80	0.10	0.1	2.72	2.39	0.33	1.6	2.62	2.62	0.32	1.5	3.38	2.10	0.42	2.5	5.74	2.98	0.71	7.2
12	3	1.65	1.65	0.47	3.2	3.46	2.65	0.99	14.1	3.29	2.86	0.94	12.8	4.07	2.43	1.17	19.6	6.41	3.27	1.84	48.6
	4	1.45	1.45	0.31	1.4	3.20	2.56	0.69	6.8	3.04	2.76	0.65	6.1	3.83	2.32	0.82	9.8	6.14	3.17	1.32	25.1
	5	1.25	1.25	0.22	0.7	2.92	2.47	0.50	3.6	2.77	2.67	0.48	3.3	3.55	2.22	0.61	5.4	5.91	3.05	1.02	14.8
	6	0.75	0.75	0.11	0.2	2.60	2.39	0.37	2.0	2.57	2.52	0.37	2.0	3.26	2.09	0.47	3.1	5.62	2.96	0.81	9.3
	7	0.62	0.62	0.08	0.1	2.30	2.30	0.28	1.1	2.37	2.37	0.29	1.2	2.96	1.97	0.36	1.9	5.35	2.85	0.66	6.2
13	3	1.42	1.42	0.41	2.4	3.02	2.54	0.87	10.8	2.85	2.75	0.82	9.6	3.67	2.29	1.05	15.9	6.01	3.14	1.72	42.6
	4	1.21	1.21	0.26	1.0	2.76	2.44	0.59	5.1	2.67	2.62	0.57	4.7	3.41	2.18	0.73	7.7	5.75	3.02	1.24	22.0
	5	0.87	0.87	0.15	0.3	2.47	2.41	0.42	2.6	2.49	2.49	0.43	2.6	3.14	2.08	0.54	4.2	5.49	2.90	0.94	12.8
	6	0.58	0.58	0.08	0.1	2.24	2.24	0.32	1.5	2.32	2.32	0.33	1.6	2.83	1.97	0.41	2.4	5.21	2.83	0.75	8.0
	7	0.43	0.43	0.05	0.0	2.05	2.05	0.25	0.9	2.13	2.13	0.26	1.0	2.48	1.86	0.30	1.3	4.94	2.71	0.61	5.3

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-600G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	5.13	3.72	1.47	29.2	7.90	4.76	2.26	69.5	7.74	4.97	2.22	66.6	8.64	4.54	2.48	83.1	11.63	5.64	3.33	150.5
	4	4.82	3.52	1.04	14.6	7.60	4.62	1.63	36.1	7.47	4.82	1.61	34.9	8.30	4.38	1.79	43.1	11.27	5.46	2.42	79.5
	5	4.46	3.36	0.77	8.0	7.26	4.46	1.25	21.1	7.12	4.67	1.22	20.3	7.98	6.90	1.37	25.5	10.91	5.37	1.88	47.7
	6	4.07	3.22	0.58	4.6	6.94	4.33	1.00	13.4	6.81	4.51	0.98	12.9	7.63	4.06	1.09	16.2	10.65	5.19	1.53	31.5
	7	3.65	3.02	0.45	2.7	6.60	4.12	0.81	8.9	6.45	4.36	0.79	8.5	7.31	3.90	0.90	10.9	10.29	5.01	1.26	21.6
6	3	4.63	3.51	1.33	23.9	7.45	4.57	2.14	61.8	7.28	4.77	2.09	59.0	8.20	4.33	2.35	74.9	11.18	5.46	3.21	139.2
	4	4.30	3.34	0.93	11.6	7.16	4.41	1.54	32.1	6.99	4.61	1.50	30.6	7.87	4.19	1.69	38.8	10.83	5.28	2.33	73.4
	5	3.97	3.18	0.68	6.3	6.81	4.25	1.17	18.6	6.67	4.47	1.15	17.8	7.56	4.03	1.30	22.9	10.47	5.10	1.80	43.9
	6	3.57	3.04	0.51	3.5	6.49	4.12	0.93	11.7	6.33	4.30	0.91	11.2	7.18	3.85	1.03	14.4	10.20	4.92	1.46	28.9
	7	3.14	2.83	0.39	2.0	6.15	3.94	0.76	7.7	5.99	4.19	0.74	7.3	6.86	3.69	0.84	9.6	9.84	4.83	1.21	19.8
7	3	4.14	3.29	1.19	19.1	6.96	4.35	2.00	53.9	6.81	4.57	1.95	51.6	7.72	4.12	2.21	66.3	10.65	5.19	3.05	126.1
	4	3.80	3.17	0.82	9.1	6.67	4.20	1.43	27.9	6.50	4.42	1.40	26.4	7.42	3.98	1.59	34.4	10.38	5.10	2.23	67.4
	5	3.44	3.02	0.59	4.7	6.33	4.04	1.09	16.1	6.2	4.27	1.07	15.4	7.06	3.82	1.21	20.0	10.02	4.92	1.72	40.2
	6	3.02	2.86	0.43	2.5	6.00	3.93	0.86	10.0	5.90	4.12	0.85	9.7	6.74	3.65	0.97	12.6	9.75	4.74	1.40	26.5
	7	2.62	2.62	0.32	1.4	5.68	3.75	0.70	6.6	5.49	3.99	0.67	6.2	6.38	3.50	0.78	8.3	9.39	4.56	1.15	18.0
8	3	3.63	3.12	1.04	14.7	6.49	4.16	1.86	46.8	6.33	4.36	1.82	44.6	7.26	3.89	2.08	58.6	10.20	5.01	2.92	115.8
	4	3.27	3.02	0.70	6.7	6.20	4.02	1.33	24.1	6.01	4.26	1.29	22.6	6.91	3.78	1.48	29.9	9.84	4.83	2.12	60.6
	5	2.90	2.84	0.50	3.4	5.89	3.85	1.01	13.9	5.71	4.08	0.98	13.1	6.61	3.62	1.14	17.5	9.57	4.65	1.65	36.7
	6	2.60	2.60	0.37	1.9	5.50	3.73	0.79	8.4	5.39	3.94	0.77	8.1	6.28	3.45	0.90	11.0	9.22	4.56	1.32	23.6
	7	2.27	2.27	0.28	1.1	5.18	3.56	0.64	5.5	5.02	3.80	0.62	5.1	5.88	3.31	0.72	7.1	8.89	4.39	1.09	16.2
9	3	3.10	2.94	0.89	10.7	6.03	3.97	1.73	40.5	5.86	4.17	1.68	38.2	6.77	3.70	1.94	51.0	9.75	4.83	2.80	105.8
	4	2.82	2.82	0.61	5.0	5.69	3.83	1.22	20.3	5.52	4.04	1.19	19.1	6.42	3.57	1.38	25.8	9.39	4.65	2.02	55.2
	5	2.60	2.52	0.45	2.7	5.39	3.67	0.93	11.6	5.22	3.91	0.90	10.9	6.11	3.41	1.05	15.0	9.13	4.47	1.57	33.4
	6	2.28	2.28	0.33	1.4	5.03	3.53	0.72	7.0	4.85	3.78	0.70	6.5	5.79	3.25	0.83	9.3	8.74	4.37	1.25	21.3
	7	1.86	1.86	0.23	0.7	4.65	3.36	0.57	4.4	4.49	3.61	0.55	4.1	5.39	3.10	0.66	5.9	8.45	4.21	1.04	14.6
10	3	2.74	2.74	0.78	8.3	5.53	3.77	1.58	34.0	5.31	4.02	1.52	31.3	6.30	3.51	1.81	44.1	9.30	4.56	2.67	96.3
	4	2.51	2.51	0.54	4.0	5.19	3.62	1.12	16.9	5.01	3.88	1.08	15.7	5.93	3.37	1.28	22.0	8.92	4.47	1.92	49.8
	5	2.25	2.25	0.39	2.0	4.85	3.51	0.83	9.4	4.64	3.76	0.80	8.6	5.62	3.22	0.97	12.6	8.64	4.31	1.49	29.9
	6	1.92	1.92	0.28	1.0	4.52	3.35	0.65	5.7	4.31	3.61	0.62	5.2	5.25	3.06	0.75	7.7	8.27	4.20	1.18	19.0
	7	1.23	1.23	0.15	0.3	4.12	3.21	0.51	3.5	3.93	3.48	0.48	3.2	4.91	2.91	0.60	4.9	7.90	4.03	0.97	12.8
11	3	2.42	2.42	0.69	6.5	4.99	3.60	1.43	27.7	4.81	3.83	1.38	25.8	5.79	3.32	1.66	37.3	8.78	4.39	2.52	85.7
	4	2.21	2.21	0.48	3.1	4.68	3.47	1.01	13.7	4.49	3.69	0.97	12.6	5.47	3.18	1.18	18.7	8.42	4.28	1.81	44.4
	5	1.91	1.91	0.33	1.5	4.32	3.34	0.74	7.5	4.12	3.60	0.71	6.8	5.11	3.03	0.88	10.5	8.15	4.12	1.40	26.6
	6	1.52	1.52	0.22	0.6	3.94	3.20	0.56	4.3	3.78	3.44	0.54	4.0	4.74	2.88	0.68	6.3	7.77	4.02	1.11	16.8
	7	1.03	1.03	0.13	0.2	3.51	3.09	0.43	2.5	3.38	3.38	0.42	2.3	4.37	2.71	0.54	3.9	7.42	3.85	0.91	11.2
12	3	2.13	2.13	0.61	5.0	4.46	3.43	1.28	22.2	4.25	3.69	1.22	20.1	5.26	3.14	1.51	30.8	8.28	4.22	2.37	76.4
	4	1.88	1.88	0.40	2.2	4.13	3.31	0.89	10.7	3.93	3.57	0.84	9.7	4.95	3.00	1.06	15.3	7.94	4.09	1.71	39.4
	5	1.62	1.62	0.28	1.1	3.78	3.19	0.65	5.7	3.58	3.45	0.62	5.1	4.59	2.86	0.79	8.4	7.63	3.94	1.31	23.3
	6	0.98	0.98	0.14	0.3	3.35	3.09	0.48	3.1	3.32	3.26	0.48	3.1	4.20	2.70	0.60	4.9	7.26	3.83	1.04	14.7
	7	0.81	0.81	0.10	0.1	2.97	2.97	0.36	1.8	3.06	3.06	0.38	1.9	3.82	2.54	0.47	3.0	6.91	3.68	0.85	9.8
13	3	1.83	1.83	0.53	3.7	3.90	3.27	1.12	16.9	3.68	3.55	1.05	15.0	4.74	2.96	1.36	25.0	7.76	4.05	2.22	67.0
	4	1.57	1.57	0.34	1.5	3.57	3.15	0.77	8.0	3.44	3.38	0.74	7.4	4.40	2.82	0.95	12.1	7.43	3.90	1.60	34.5
	5	1.13	1.13	0.19	0.5	3.18	3.11	0.55	4.1	3.22	3.22	0.55	4.2	4.05	2.68	0.70	6.6	7.09	3.75	1.22	20.2
	6	0.75	0.75	0.11	0.2	2.90	2.90	0.42	2.3	3.00	3.00	0.43	2.5	3.66	2.54	0.52	3.7	6.73	3.65	0.96	12.6
	7	0.55	0.55	0.07	0.1	2.65	2.65	0.33	1.4	2.76	2.76	0.34	1.6	3.20	2.40	0.39	2.1	6.38	3.50	0.78	8.3

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-800G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	7.28	5.28	2.09	23.4	11.21	6.76	3.21	55.5	10.98	7.05	3.15	53.2	12.27	6.44	3.52	66.4	16.51	8.00	4.73	120.2
	4	6.84	4.99	1.47	11.6	10.78	6.55	2.32	28.8	10.60	6.84	2.28	27.9	11.78	6.22	2.53	34.5	16.00	7.75	3.44	63.5
	5	6.32	4.77	1.09	6.4	10.31	6.32	1.77	16.9	10.11	6.63	1.74	16.2	11.33	9.79	1.95	20.4	15.49	7.62	2.66	38.1
	6	5.78	4.57	0.83	3.7	9.85	6.15	1.41	10.7	9.66	6.40	1.39	10.3	10.83	5.77	1.55	12.9	15.11	7.37	2.17	25.2
	7	5.18	4.28	0.64	2.2	9.37	5.85	1.15	7.1	9.16	6.18	1.12	6.8	10.37	5.54	1.27	8.7	14.60	7.11	1.79	17.3
6	3	6.58	4.98	1.89	19.1	10.58	6.49	3.03	49.4	10.34	6.77	2.96	47.1	11.64	6.15	3.34	59.8	15.87	7.75	4.55	111.2
	4	6.11	4.74	1.31	9.3	10.16	6.26	2.18	25.6	9.92	6.54	2.13	24.4	11.17	5.94	2.40	31.0	15.37	7.49	3.30	58.6
	5	5.64	4.52	0.97	5.0	9.66	6.03	1.66	14.8	9.47	6.35	1.63	14.3	10.73	5.71	1.85	18.3	14.86	7.24	2.56	35.1
	6	5.07	4.32	0.73	2.8	9.21	5.85	1.32	9.3	8.99	6.11	1.29	8.9	10.20	5.46	1.46	11.5	14.48	6.98	2.07	23.1
	7	4.46	4.01	0.55	1.6	8.72	5.59	1.07	6.2	8.51	5.94	1.05	5.9	9.74	5.23	1.20	7.7	13.97	6.86	1.72	15.8
7	3	5.88	4.67	1.69	15.3	9.88	6.17	2.83	43.1	9.66	6.49	2.77	41.2	10.96	5.84	3.14	53.0	15.11	7.37	4.33	100.7
	4	5.40	4.50	1.16	7.2	9.47	5.96	2.04	22.3	9.22	6.27	1.98	21.1	10.53	5.65	2.26	27.5	14.73	7.24	3.17	53.8
	5	4.88	4.28	0.84	3.8	8.99	5.74	1.55	12.8	8.8	6.06	1.51	12.3	10.02	5.42	1.72	15.9	14.22	6.98	2.45	32.1
	6	4.29	4.06	0.62	2.0	8.52	5.57	1.22	8.0	8.37	5.84	1.20	7.7	9.56	5.18	1.37	10.1	13.84	6.73	1.98	21.1
	7	3.72	3.72	0.46	1.1	8.06	5.32	0.99	5.3	7.80	5.66	0.96	4.9	9.05	4.97	1.11	6.6	13.33	6.48	1.64	14.4
8	3	5.16	4.43	1.48	11.7	9.21	5.90	2.64	37.4	8.99	6.18	2.58	35.7	10.30	5.52	2.95	46.8	14.48	7.11	4.15	92.5
	4	4.65	4.29	1.00	5.4	8.80	5.70	1.89	19.2	8.53	6.04	1.83	18.1	9.80	5.36	2.11	23.9	13.97	6.86	3.00	48.4
	5	4.11	4.03	0.71	2.7	8.36	5.46	1.44	11.1	8.10	5.79	1.39	10.4	9.38	5.14	1.61	14.0	13.59	6.60	2.34	29.3
	6	3.70	3.70	0.53	1.5	7.81	5.30	1.12	6.7	7.66	5.59	1.10	6.5	8.91	4.90	1.28	8.8	13.08	6.48	1.87	18.9
	7	3.23	3.23	0.40	0.8	7.35	5.05	0.90	4.4	7.12	5.40	0.88	4.1	8.34	4.70	1.02	5.6	12.62	6.23	1.55	12.9
9	3	4.41	4.18	1.26	8.6	8.56	5.64	2.45	32.3	8.32	5.92	2.38	30.5	9.61	5.26	2.76	40.8	13.84	6.86	3.97	84.5
	4	4.00	4.00	0.86	4.0	8.08	5.43	1.74	16.2	7.83	5.74	1.68	15.2	9.12	5.07	1.96	20.6	13.33	6.60	2.87	44.1
	5	3.70	3.58	0.64	2.2	7.64	5.21	1.31	9.3	7.40	5.55	1.27	8.7	8.67	4.84	1.49	11.9	12.95	6.35	2.23	26.6
	6	3.24	3.24	0.46	1.2	7.14	5.02	1.02	5.6	6.88	5.37	0.99	5.2	8.22	4.61	1.18	7.4	12.41	6.21	1.78	17.0
	7	2.64	2.64	0.32	0.6	6.60	4.77	0.81	3.5	6.37	5.13	0.78	3.3	7.64	4.41	0.94	4.7	11.99	5.98	1.47	11.6
10	3	3.89	3.89	1.11	6.7	7.85	5.35	2.25	27.2	7.53	5.70	2.16	25.0	8.94	4.98	2.56	35.3	13.21	6.48	3.79	76.9
	4	3.57	3.57	0.77	3.2	7.37	5.14	1.58	13.5	7.11	5.51	1.53	12.5	8.42	4.79	1.81	17.6	12.66	6.35	2.72	39.8
	5	3.19	3.19	0.55	1.6	6.88	4.98	1.18	7.5	6.59	5.33	1.13	6.9	7.97	4.57	1.37	10.1	12.27	6.12	2.11	23.9
	6	2.73	2.73	0.39	0.8	6.41	4.76	0.92	4.5	6.12	5.13	0.88	4.1	7.45	4.34	1.07	6.1	11.73	5.96	1.68	15.2
	7	1.74	1.74	0.21	0.2	5.85	4.56	0.72	2.8	5.57	4.94	0.68	2.5	6.97	4.13	0.86	3.9	11.21	5.71	1.38	10.2
11	3	3.43	3.43	0.98	5.2	7.09	5.10	2.03	22.2	6.83	5.43	1.96	20.6	8.22	4.71	2.36	29.8	12.46	6.23	3.57	68.5
	4	3.14	3.14	0.67	2.4	6.64	4.93	1.43	10.9	6.37	5.23	1.37	10.1	7.76	4.52	1.67	14.9	11.95	6.07	2.57	35.4
	5	2.72	2.72	0.47	1.2	6.13	4.74	1.05	6.0	5.85	5.10	1.01	5.4	7.25	4.30	1.25	8.4	11.57	5.85	1.99	21.3
	6	2.16	2.16	0.31	0.5	5.59	4.55	0.80	3.4	5.37	4.88	0.77	3.2	6.73	4.09	0.96	5.0	11.03	5.70	1.58	13.4
	7	1.46	1.46	0.18	0.2	4.98	4.38	0.61	2.0	4.80	4.80	0.59	1.9	6.20	3.85	0.76	3.1	10.53	5.46	1.29	9.0
12	3	3.02	3.02	0.87	4.0	6.34	4.86	1.82	17.7	6.03	5.24	1.73	16.1	7.47	4.46	2.14	24.6	11.76	5.99	3.37	61.0
	4	2.67	2.67	0.57	1.8	5.87	4.70	1.26	8.5	5.57	5.07	1.20	7.7	7.02	4.25	1.51	12.2	11.26	5.80	2.42	31.5
	5	2.30	2.30	0.40	0.8	5.36	4.53	0.92	4.6	5.08	4.90	0.87	4.1	6.51	4.06	1.12	6.7	10.83	5.59	1.86	18.6
	6	1.38	1.38	0.20	0.2	4.76	4.38	0.68	2.5	4.71	4.62	0.68	2.4	5.97	3.83	0.86	3.9	10.31	5.43	1.48	11.7
	7	1.14	1.14	0.14	0.1	4.22	4.22	0.52	1.4	4.34	4.34	0.53	1.5	5.42	3.61	0.67	2.4	9.80	5.22	1.20	7.8
13	3	2.60	2.60	0.75	3.0	5.54	4.65	1.59	13.5	5.22	5.04	1.50	12.0	6.73	4.20	1.93	20.0	11.01	5.75	3.16	53.5
	4	2.22	2.22	0.48	1.2	5.07	4.47	1.09	6.4	4.89	4.80	1.05	5.9	6.25	4.00	1.34	9.7	10.54	5.54	2.27	27.6
	5	1.60	1.60	0.28	0.4	4.52	4.42	0.78	3.2	4.57	4.57	0.79	3.3	5.75	3.81	0.99	5.3	10.07	5.32	1.73	16.1
	6	1.07	1.07	0.15	0.1	4.11	4.11	0.59	1.9	4.25	4.25	0.61	2.0	5.19	3.61	0.74	3.0	9.55	5.18	1.37	10.1
	7	0.79	0.79	0.10	0.1	3.76	3.76	0.46	1.1	3.91	3.91	0.48	1.2	4.55	3.40	0.56	1.7	9.05	4.97	1.11	6.6

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-1000G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	7.85	5.70	2.25	34.2	12.10	7.29	3.47	81.2	11.86	7.61	3.40	77.9	13.24	6.95	3.80	97.2	17.82	8.64	5.11	176.0
	4	7.39	5.39	1.59	17.0	11.64	7.07	2.50	42.2	11.45	7.39	2.46	40.8	12.72	6.72	2.74	50.4	17.27	8.36	3.71	93.0
	5	6.83	5.15	1.17	9.3	11.13	6.83	1.91	24.7	10.91	7.16	1.88	23.7	12.23	10.57	2.10	29.8	16.72	8.23	2.88	55.8
	6	6.24	4.94	0.89	5.4	10.64	6.63	1.52	15.7	10.43	6.91	1.50	15.1	11.69	6.22	1.68	18.9	16.31	7.95	2.34	36.9
	7	5.59	4.62	0.69	3.2	10.12	6.32	1.24	10.4	9.88	6.68	1.21	9.9	11.20	5.98	1.38	12.8	15.76	7.68	1.94	25.3
6	3	7.10	5.37	2.04	27.9	11.42	7.01	3.27	72.2	11.16	7.31	3.20	69.0	12.57	6.63	3.60	87.5	17.14	8.36	4.91	162.7
	4	6.59	5.11	1.42	13.5	10.97	6.76	2.36	37.5	10.71	7.06	2.30	35.7	12.06	6.42	2.59	45.4	16.59	8.09	3.57	85.7
	5	6.09	4.88	1.05	7.4	10.43	6.51	1.79	21.7	10.23	6.85	1.76	20.9	11.58	6.17	1.99	26.8	16.04	7.81	2.76	51.3
	6	5.47	4.66	0.78	4.1	9.94	6.32	1.42	13.7	9.71	6.59	1.39	13.0	11.01	5.89	1.58	16.8	15.63	7.54	2.24	33.8
	7	4.81	4.33	0.59	2.4	9.42	6.03	1.16	9.0	9.18	6.42	1.13	8.6	10.51	5.65	1.29	11.2	15.08	7.40	1.85	23.1
7	3	6.35	5.04	1.82	22.3	10.67	6.66	3.06	63.0	10.43	7.01	2.99	60.3	11.83	6.31	3.39	77.5	16.31	7.95	4.68	147.4
	4	5.83	4.85	1.25	10.6	10.23	6.43	2.20	32.6	9.95	6.77	2.14	30.9	11.36	6.10	2.44	40.2	15.90	7.81	3.42	78.8
	5	5.26	4.62	0.91	5.5	9.71	6.20	1.67	18.8	9.5	6.54	1.63	18	10.82	5.85	1.86	23.3	15.35	7.54	2.64	47.0
	6	4.63	4.39	0.66	3.0	9.20	6.02	1.32	11.7	9.03	6.31	1.29	11.3	10.32	5.59	1.48	14.8	14.94	7.27	2.14	30.9
	7	4.02	4.02	0.49	1.6	8.70	5.74	1.07	7.7	8.42	6.11	1.03	7.2	9.77	5.36	1.20	9.7	14.39	6.99	1.77	21.1
8	3	5.57	4.78	1.60	17.2	9.94	6.37	2.85	54.7	9.71	6.68	2.78	52.2	11.12	5.96	3.19	68.5	15.63	7.68	4.48	135.3
	4	5.02	4.63	1.08	7.8	9.50	6.16	2.04	28.1	9.21	6.53	1.98	26.4	10.58	5.78	2.28	34.9	15.08	7.40	3.24	70.9
	5	4.44	4.35	0.76	3.9	9.02	5.89	1.55	16.2	8.75	6.25	1.50	15.3	10.13	5.55	1.74	20.5	14.67	7.13	2.52	42.9
	6	3.99	3.99	0.57	2.2	8.43	5.72	1.21	9.8	8.27	6.03	1.18	9.5	9.62	5.29	1.38	12.8	14.12	6.99	2.02	27.6
	7	3.48	3.48	0.43	1.2	7.94	5.46	0.98	6.4	7.69	5.83	0.94	6.0	9.01	5.07	1.11	8.3	13.63	6.73	1.67	18.9
9	3	4.76	4.51	1.36	12.5	9.24	6.09	2.65	47.3	8.98	6.39	2.57	44.7	10.38	5.68	2.97	59.7	14.94	7.40	4.28	123.7
	4	4.32	4.32	0.93	5.8	8.72	5.87	1.87	23.7	8.46	6.20	1.82	22.3	9.84	5.47	2.12	30.2	14.39	7.13	3.09	64.6
	5	3.99	3.87	0.69	3.2	8.25	5.62	1.42	13.6	7.99	5.99	1.37	12.7	9.36	5.22	1.61	17.5	13.98	6.85	2.41	39.0
	6	3.50	3.50	0.50	1.7	7.70	5.41	1.10	8.2	7.43	5.80	1.06	7.6	8.87	4.98	1.27	10.9	13.39	6.70	1.92	24.8
	7	2.85	2.85	0.35	0.8	7.13	5.15	0.88	5.2	6.88	5.54	0.85	4.8	8.25	4.76	1.01	6.9	12.94	6.46	1.59	17.0
10	3	4.19	4.19	1.20	9.7	8.47	5.77	2.43	39.8	8.13	6.16	2.33	36.6	9.65	5.37	2.77	51.6	14.26	6.99	4.09	112.6
	4	3.85	3.85	0.83	4.6	7.95	5.55	1.71	19.7	7.68	5.95	1.65	18.4	9.09	5.17	1.95	25.7	13.67	6.85	2.94	58.2
	5	3.44	3.44	0.59	2.4	7.43	5.37	1.28	11.0	7.11	5.76	1.22	10.1	8.61	4.94	1.48	14.8	13.24	6.61	2.28	35.0
	6	2.95	2.95	0.42	1.2	6.92	5.14	0.99	6.6	6.61	5.54	0.95	6.0	8.05	4.69	1.15	9.0	12.67	6.43	1.82	22.2
	7	1.88	1.88	0.23	0.4	6.32	4.92	0.78	4.1	6.02	5.33	0.74	3.7	7.53	4.46	0.92	5.8	12.10	6.17	1.49	14.9
11	3	3.70	3.70	1.06	7.6	7.65	5.51	2.19	32.4	7.38	5.87	2.11	30.1	8.87	5.09	2.54	43.6	13.45	6.73	3.86	100.2
	4	3.39	3.39	0.73	3.6	7.17	5.32	1.54	16.0	6.88	5.65	1.48	14.8	8.38	4.88	1.80	21.9	12.90	6.55	2.77	51.9
	5	2.93	2.93	0.50	1.7	6.62	5.11	1.14	8.7	6.32	5.51	1.09	8.0	7.83	4.65	1.35	12.2	12.49	6.32	2.15	31.1
	6	2.33	2.33	0.33	0.8	6.03	4.91	0.86	5.0	5.80	5.26	0.83	4.7	7.27	4.41	1.04	7.3	11.91	6.16	1.71	19.7
	7	1.58	1.58	0.19	0.3	5.37	4.73	0.66	2.9	5.18	5.18	0.64	2.7	6.69	4.15	0.82	4.6	11.36	5.89	1.40	13.1
12	3	3.26	3.26	0.94	5.9	6.84	5.25	1.96	25.9	6.51	5.66	1.87	23.5	8.06	4.81	2.31	36.0	12.69	6.47	3.64	89.3
	4	2.88	2.88	0.62	2.6	6.33	5.07	1.36	12.5	6.02	5.47	1.29	11.3	7.58	4.59	1.63	17.9	12.16	6.26	2.61	46.1
	5	2.48	2.48	0.43	1.2	5.78	4.89	1.00	6.7	5.48	5.29	0.94	6.0	7.03	4.39	1.21	9.9	11.69	6.03	2.01	27.3
	6	1.49	1.49	0.21	0.3	5.14	4.73	0.74	3.7	5.09	4.99	0.73	3.6	6.44	4.14	0.92	5.7	11.13	5.87	1.60	17.2
	7	1.23	1.23	0.15	0.2	4.55	4.55	0.56	2.1	4.69	4.69	0.58	2.2	5.85	3.89	0.72	3.5	10.58	5.63	1.30	11.4
13	3	2.81	2.81	0.81	4.4	5.98	5.02	1.71	19.8	5.63	5.44	1.62	17.6	7.27	4.54	2.08	29.2	11.89	6.21	3.41	78.3
	4	2.40	2.40	0.52	1.8	5.47	4.83	1.18	9.3	5.28	5.18	1.13	8.7	6.74	4.32	1.45	14.2	11.38	5.98	2.45	40.3
	5	1.73	1.73	0.30	0.6	4.88	4.77	0.84	4.8	4.94	4.94	0.85	4.9	6.21	4.11	1.07	7.7	10.87	5.74	1.87	23.6
	6	1.15	1.15	0.17	0.2	4.44	4.44	0.64	2.7	4.59	4.59	0.66	2.9	5.61	3.89	0.80	4.4	10.31	5.59	1.48	14.7
	7	0.85	0.85	0.10	0.1	4.06	4.06	0.50	1.7	4.22	4.22	0.52	1.8	4.91	3.67	0.60	2.5	9.77	5.36	1.20	9.7

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-1200G30																					
EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	9.76	7.08	2.80	40.3	15.04	9.06	4.31	95.6	14.73	9.45	4.22	91.7	16.45	8.63	4.72	114.4	22.14	10.73	6.35	207.2
	4	9.18	6.69	1.97	20.0	14.46	8.79	3.11	49.7	14.22	9.18	3.06	48.1	15.80	8.34	3.40	59.4	21.45	10.39	4.61	109.5
	5	8.48	6.40	1.46	10.9	13.83	8.48	2.38	29.1	13.55	8.89	2.33	28.0	15.19	13.13	2.61	35.1	20.77	10.22	3.57	65.7
	6	7.75	6.13	1.11	6.3	13.21	8.24	1.89	18.5	12.96	8.58	1.86	17.8	14.52	7.73	2.08	22.3	20.26	9.88	2.90	43.4
	7	6.95	5.74	0.85	3.7	12.57	7.85	1.54	12.3	12.28	8.29	1.51	11.7	13.91	7.42	1.71	15.0	19.58	9.54	2.41	29.8
6	3	8.82	6.67	2.53	32.9	14.18	8.70	4.07	85.1	13.86	9.08	3.97	81.2	15.61	8.24	4.48	103.1	21.28	10.39	6.10	191.6
	4	8.19	6.35	1.76	16.0	13.62	8.39	2.93	44.1	13.30	8.77	2.86	42.1	14.98	7.97	3.22	53.4	20.60	10.05	4.43	101.0
	5	7.56	6.06	1.30	8.7	12.96	8.09	2.23	25.6	12.70	8.51	2.18	24.6	14.39	7.66	2.47	31.5	19.92	9.71	3.43	60.4
	6	6.79	5.79	0.97	4.9	12.34	7.85	1.77	16.1	12.06	8.19	1.73	15.4	13.67	7.32	1.96	19.8	19.41	9.37	2.78	39.8
	7	5.98	5.38	0.73	2.8	11.70	7.49	1.44	10.6	11.41	7.97	1.40	10.1	13.06	7.02	1.60	13.2	18.73	9.19	2.30	27.3
7	3	7.88	6.27	2.26	26.3	13.25	8.28	3.80	74.2	12.96	8.70	3.71	71.0	14.69	7.83	4.21	91.3	20.26	9.88	5.81	173.6
	4	7.24	6.03	1.56	12.5	12.70	7.99	2.73	38.4	12.36	8.41	2.66	36.4	14.12	7.58	3.03	47.4	19.75	9.71	4.25	92.8
	5	6.54	5.74	1.12	6.5	12.06	7.70	2.07	22.1	11.8	8.12	2.03	21.2	13.43	7.27	2.31	27.5	19.07	9.37	3.28	55.4
	6	5.76	5.45	0.82	3.5	11.43	7.48	1.64	13.8	11.22	7.83	1.61	13.3	12.82	6.95	1.84	17.4	18.56	9.02	2.66	36.4
	7	4.99	4.99	0.61	1.9	10.81	7.13	1.33	9.1	10.45	7.59	1.28	8.5	12.14	6.66	1.49	11.4	17.88	8.68	2.20	24.8
8	3	6.91	5.94	1.98	20.2	12.34	7.92	3.54	64.5	12.06	8.29	3.46	61.5	13.81	7.41	3.96	80.7	19.41	9.54	5.56	159.4
	4	6.23	5.76	1.34	9.2	11.80	7.65	2.54	33.1	11.44	8.11	2.46	31.1	13.15	7.19	2.83	41.1	18.73	9.19	4.03	83.5
	5	5.52	5.40	0.95	4.6	11.20	7.32	1.93	19.1	10.86	7.76	1.87	18.0	12.58	6.90	2.16	24.1	18.22	8.85	3.13	50.5
	6	4.95	4.95	0.71	2.6	10.47	7.10	1.50	11.6	10.27	7.49	1.47	11.1	11.95	6.57	1.71	15.1	17.54	8.68	2.51	32.5
	7	4.32	4.32	0.53	1.5	9.86	6.78	1.21	7.6	9.55	7.24	1.17	7.1	11.19	6.30	1.37	9.7	16.93	8.36	2.08	22.3
9	3	5.91	5.60	1.69	14.8	11.48	7.56	3.29	55.7	11.15	7.93	3.20	52.6	12.89	7.05	3.70	70.3	18.56	9.19	5.32	145.7
	4	5.36	5.36	1.15	6.8	10.83	7.29	2.33	27.9	10.51	7.70	2.26	26.3	12.23	6.79	2.63	35.6	17.88	8.85	3.84	76.0
	5	4.95	4.80	0.85	3.7	10.25	6.98	1.76	16.0	9.93	7.44	1.71	15.0	11.63	6.49	2.00	20.6	17.37	8.51	2.99	45.9
	6	4.34	4.34	0.62	2.0	9.57	6.73	1.37	9.7	9.23	7.20	1.32	9.0	11.02	6.18	1.58	12.8	16.64	8.33	2.38	29.3
	7	3.54	3.54	0.44	1.0	8.85	6.40	1.09	6.1	8.55	6.88	1.05	5.7	10.25	5.91	1.26	8.2	16.07	8.02	1.97	20.1
10	3	5.21	5.21	1.49	11.5	10.52	7.17	3.02	46.8	10.10	7.65	2.89	43.1	11.99	6.67	3.44	60.8	17.71	8.68	5.08	132.6
	4	4.78	4.78	1.03	5.4	9.88	6.90	2.12	23.2	9.54	7.39	2.05	21.6	11.29	6.42	2.43	30.3	16.98	8.51	3.65	68.6
	5	4.27	4.27	0.74	2.8	9.23	6.67	1.59	13.0	8.84	7.15	1.52	11.9	10.69	6.13	1.84	17.4	16.45	8.21	2.83	41.2
	6	3.66	3.66	0.52	1.4	8.60	6.39	1.23	7.8	8.21	6.88	1.18	7.1	10.00	5.82	1.43	10.6	15.73	7.99	2.26	26.2
	7	2.33	2.33	0.29	0.4	7.85	6.11	0.96	4.8	7.48	6.62	0.92	4.3	9.35	5.53	1.15	6.8	15.04	7.66	1.85	17.6
11	3	4.60	4.60	1.32	8.9	9.50	6.85	2.72	38.2	9.16	7.29	2.63	35.5	11.02	6.32	3.16	51.3	16.70	8.36	4.79	118.0
	4	4.21	4.21	0.90	4.2	8.91	6.61	1.91	18.9	8.55	7.02	1.84	17.4	10.40	6.06	2.24	25.7	16.02	8.14	3.44	61.1
	5	3.64	3.64	0.63	2.0	8.22	6.35	1.41	10.3	7.85	6.85	1.35	9.4	9.72	5.77	1.67	14.4	15.51	7.85	2.67	36.6
	6	2.89	2.89	0.41	0.9	7.49	6.10	1.07	5.9	7.20	6.54	1.03	5.5	9.02	5.48	1.29	8.6	14.80	7.65	2.12	23.1
	7	1.96	1.96	0.24	0.3	6.67	5.87	0.82	3.5	6.44	6.44	0.79	3.2	8.31	5.16	1.02	5.4	14.12	7.32	1.73	15.5
12	3	4.05	4.05	1.16	6.9	8.50	6.52	2.44	30.5	8.09	7.03	2.32	27.7	10.01	5.98	2.87	42.4	15.77	8.04	4.52	105.1
	4	3.58	3.58	0.77	3.0	7.87	6.30	1.69	14.7	7.48	6.79	1.61	13.3	9.42	5.70	2.02	21.1	15.10	7.78	3.25	54.3
	5	3.08	3.08	0.53	1.4	7.19	6.08	1.24	7.9	6.81	6.57	1.17	7.1	8.74	5.45	1.50	11.6	14.52	7.49	2.50	32.1
	6	1.86	1.86	0.27	0.4	6.39	5.87	0.92	4.3	6.32	6.20	0.91	4.2	8.00	5.14	1.15	6.8	13.83	7.29	1.98	20.2
	7	1.53	1.53	0.19	0.2	5.65	5.65	0.69	2.5	5.82	5.82	0.72	2.6	7.27	4.84	0.89	4.1	13.15	7.00	1.61	13.4
13	3	3.49	3.49	1.00	5.2	7.42	6.23	2.13	23.3	7.00	6.76	2.01	20.7	9.02	5.64	2.59	34.4	14.76	7.71	4.23	92.2
	4	2.98	2.98	0.64	2.1	6.79	5.99	1.46	11.0	6.56	6.44	1.41	10.2	8.38	5.36	1.80	16.7	14.13	7.42	3.04	47.5
	5	2.15	2.15	0.37	0.7	6.06	5.93	1.04	5.6	6.13	6.13	1.05	5.7	7.71	5.11	1.33	9.1	13.50	7.13	2.32	27.8
	6	1.43	1.43	0.21	0.2	5.52	5.52	0.79	3.2	5.70	5.70	0.82	3.4	6.96	4.84	1.00	5.1	12.80	6.95	1.84	17.3
	7	1.06	1.06	0.13	0.1	5.04	5.04	0.62	2.0	5.24	5.24	0.64	2.1	6.10	4.56	0.75	2.9	12.14	6.66	1.49	11.4

Cooling Capacities (with fan at high speed and 30Pa static pressure)

MKT4-1400G30

EWT	Δt	Air inlet condition																			
		DB:21 WB:15				DB:26.7 WB:19.4				DB:27 WB:19				DB:29 WB:21				DB:33 WB:25			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	10.75	7.80	3.08	46.9	16.56	9.98	4.75	111.4	16.23	10.41	4.65	106.9	18.12	9.51	5.19	133.3	24.39	11.82	6.99	241.4
	4	10.11	7.37	2.17	23.3	15.93	9.68	3.42	57.9	15.66	10.11	3.37	56.0	17.41	9.19	3.74	69.2	23.64	11.44	5.08	127.6
	5	9.34	7.05	1.61	12.8	15.23	9.34	2.62	33.9	14.93	9.79	2.57	32.6	16.73	14.46	2.88	40.9	22.89	11.26	3.94	76.6
	6	8.54	6.75	1.22	7.4	14.56	9.08	2.09	21.5	14.28	9.45	2.05	20.7	16.00	8.52	2.29	26.0	22.32	10.88	3.20	50.6
	7	7.65	6.32	0.94	4.4	13.84	8.65	1.70	14.3	13.53	9.14	1.66	13.6	15.33	8.18	1.88	17.5	21.57	10.51	2.65	34.7
6	3	9.72	7.35	2.79	38.3	15.63	9.59	4.48	99.1	15.27	10.00	4.38	94.7	17.20	9.08	4.93	120.1	23.45	11.44	6.72	223.2
	4	9.02	7.00	1.94	18.6	15.01	9.25	3.23	51.4	14.65	9.66	3.15	49.0	16.51	8.78	3.55	62.2	22.70	11.07	4.88	117.7
	5	8.33	6.68	1.43	10.1	14.28	8.91	2.46	29.8	13.99	9.38	2.41	28.6	15.85	8.44	2.73	36.7	21.95	10.69	3.78	70.4
	6	7.48	6.38	1.07	5.7	13.60	8.65	1.95	18.8	13.28	9.02	1.90	17.9	15.06	8.07	2.16	23.0	21.39	10.32	3.07	46.4
	7	6.58	5.93	0.81	3.2	12.89	8.25	1.58	12.4	12.57	8.78	1.54	11.8	14.39	7.73	1.77	15.4	20.63	10.13	2.54	31.8
7	3	8.69	6.90	2.49	30.6	14.59	9.12	4.18	86.5	14.28	9.59	4.09	82.7	16.19	8.63	4.64	106.4	22.32	10.88	6.40	202.3
	4	7.97	6.64	1.71	14.5	13.99	8.80	3.01	44.7	13.62	9.27	2.93	42.4	15.55	8.35	3.34	55.2	21.76	10.69	4.68	108.1
	5	7.20	6.32	1.24	7.6	13.28	8.48	2.28	25.8	13	8.95	2.24	24.7	14.80	8.01	2.55	32.0	21.01	10.32	3.61	64.5
	6	6.34	6.00	0.91	4.1	12.59	8.24	1.80	16.1	12.36	8.63	1.77	15.5	14.13	7.65	2.02	20.3	20.45	9.94	2.93	42.4
	7	5.50	5.50	0.68	2.3	11.91	7.86	1.46	10.6	11.52	8.37	1.42	9.9	13.38	7.33	1.64	13.3	19.70	9.57	2.42	28.9
8	3	7.62	6.55	2.18	23.5	13.60	8.72	3.90	75.1	13.28	9.14	3.81	71.6	15.21	8.16	4.36	94.0	21.39	10.51	6.13	185.7
	4	6.87	6.34	1.48	10.8	13.00	8.42	2.80	38.6	12.61	8.93	2.71	36.3	14.48	7.92	3.11	47.9	20.63	10.13	4.44	97.2
	5	6.08	5.95	1.05	5.4	12.34	8.07	2.12	22.3	11.97	8.55	2.06	20.9	13.86	7.60	2.38	28.1	20.07	9.75	3.45	58.9
	6	5.46	5.46	0.78	3.0	11.54	7.82	1.65	13.5	11.31	8.25	1.62	13.0	13.17	7.24	1.89	17.6	19.32	9.57	2.77	37.9
	7	4.76	4.76	0.59	1.7	10.86	7.47	1.33	8.8	10.52	7.97	1.29	8.3	12.32	6.94	1.51	11.3	18.65	9.21	2.29	25.9
9	3	6.51	6.17	1.87	17.2	12.64	8.33	3.62	64.9	12.29	8.74	3.52	61.3	14.20	7.77	4.07	81.9	20.45	10.13	5.86	169.7
	4	5.91	5.91	1.27	8.0	11.93	8.03	2.57	32.5	11.57	8.48	2.49	30.6	13.47	7.48	2.90	41.4	19.70	9.75	4.23	88.6
	5	5.46	5.29	0.94	4.4	11.29	7.69	1.94	18.6	10.94	8.20	1.88	17.5	12.81	7.15	2.20	24.0	19.13	9.38	3.29	53.5
	6	4.78	4.78	0.69	2.3	10.54	7.41	1.51	11.3	10.17	7.94	1.46	10.5	12.14	6.81	1.74	15.0	18.33	9.17	2.63	34.1
	7	3.90	3.90	0.48	1.1	9.75	7.05	1.20	7.1	9.42	7.58	1.16	6.6	11.29	6.51	1.39	9.5	17.71	8.84	2.18	23.4
10	3	5.74	5.74	1.65	13.4	11.59	7.90	3.32	54.6	11.12	8.42	3.19	50.2	13.21	7.35	3.79	70.8	19.51	9.57	5.59	154.5
	4	5.27	5.27	1.13	6.3	10.88	7.60	2.34	27.0	10.51	8.14	2.26	25.2	12.44	7.07	2.67	35.3	18.70	9.38	4.02	79.9
	5	4.71	4.71	0.81	3.2	10.17	7.35	1.75	15.1	9.74	7.88	1.67	13.9	11.78	6.75	2.03	20.3	18.12	9.04	3.12	48.0
	6	4.03	4.03	0.58	1.7	9.47	7.03	1.36	9.1	9.04	7.58	1.30	8.3	11.01	6.42	1.58	12.3	17.33	8.80	2.48	30.5
	7	2.57	2.57	0.32	0.5	8.65	6.73	1.06	5.6	8.24	7.30	1.01	5.1	10.30	6.10	1.27	7.9	16.56	8.44	2.04	20.5
11	3	5.06	5.06	1.45	10.4	10.47	7.54	3.00	44.5	10.09	8.03	2.89	41.4	12.14	6.96	3.48	59.8	18.40	9.21	5.28	137.5
	4	4.63	4.63	1.00	4.9	9.81	7.28	2.11	22.0	9.42	7.73	2.02	20.3	11.46	6.68	2.46	30.0	17.65	8.97	3.80	71.2
	5	4.01	4.01	0.69	2.4	9.06	7.00	1.56	12.0	8.65	7.54	1.49	10.9	10.71	6.36	1.84	16.8	17.09	8.65	2.94	42.7
	6	3.19	3.19	0.46	1.0	8.25	6.72	1.18	6.9	7.94	7.20	1.14	6.4	9.94	6.04	1.43	10.0	16.30	8.42	2.34	27.0
	7	2.16	2.16	0.27	0.3	7.35	6.47	0.90	4.0	7.09	7.09	0.87	3.7	9.15	5.68	1.12	6.2	15.55	8.07	1.91	18.0
12	3	4.46	4.46	1.28	8.1	9.36	7.18	2.68	35.6	8.91	7.75	2.55	32.2	11.03	6.58	3.16	49.4	17.37	8.85	4.98	122.5
	4	3.94	3.94	0.85	3.5	8.67	6.94	1.86	17.2	8.24	7.48	1.77	15.5	10.37	6.28	2.23	24.6	16.64	8.57	3.58	63.2
	5	3.40	3.40	0.58	1.7	7.92	6.70	1.36	9.2	7.50	7.24	1.29	8.2	9.62	6.00	1.66	13.5	16.00	8.25	2.75	37.4
	6	2.04	2.04	0.29	0.4	7.03	6.47	1.01	5.0	6.96	6.83	1.00	4.9	8.82	5.67	1.26	7.9	15.23	8.03	2.18	23.5
	7	1.69	1.69	0.21	0.2	6.23	6.23	0.77	2.9	6.42	6.42	0.79	3.1	8.01	5.33	0.98	4.8	14.48	7.71	1.78	15.6
13	3	3.85	3.85	1.10	6.0	8.18	6.87	2.34	27.2	7.71	7.45	2.21	24.1	9.94	6.21	2.85	40.1	16.26	8.50	4.66	107.4
	4	3.28	3.28	0.71	2.5	7.48	6.60	1.61	12.8	7.22	7.09	1.55	11.9	9.23	5.91	1.98	19.5	15.57	8.18	3.35	55.4
	5	2.36	2.36	0.41	0.8	6.68	6.53	1.15	6.5	6.75	6.75	1.16	6.7	8.50	5.63	1.46	10.6	14.88	7.86	2.56	32.3
	6	1.58	1.58	0.23	0.3	6.08	6.08	0.87	3.7	6.28	6.28	0.90	4.0	7.67	5.33	1.10	6.0	14.11	7.65	2.02	20.2
	7	1.16	1.16	0.14	0.1	5.55	5.55	0.68	2.3	5.78	5.78	0.71	2.5	6.72	5.03	0.83	3.4	13.38	7.33	1.64	13.3

MKT4-1500 / MKT4H-1500G50

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	17.20	10.36	4.93	175.9	15.78	11.40	4.52	148.0	16.85	10.81	4.83	168.8	17.82	10.34	5.11	188.9	18.82	9.88	5.39	210.5

	4	16.54	10.05	3.56	91.5	15.19	11.05	3.27	77.2	16.27	10.50	3.50	88.5	17.22	10.05	3.70	99.2	18.08	9.55	3.89	109.3
	5	15.82	9.70	2.72	53.5	14.47	10.79	2.49	44.8	15.51	10.17	2.67	51.5	16.54	9.68	2.84	58.5	17.38	15.02	2.99	64.6
	6	15.12	9.43	2.17	34.0	13.77	10.42	1.97	28.2	14.82	9.82	2.12	32.7	15.86	9.31	2.27	37.4	16.62	8.84	2.38	41.0
	7	14.38	8.98	1.77	22.6	13.01	10.17	1.60	18.5	14.05	9.49	1.73	21.5	15.08	8.98	1.85	24.8	15.92	8.49	1.96	27.7
6	3	16.23	9.95	4.65	156.5	14.79	10.97	4.24	130.0	15.86	10.38	4.55	149.5	16.89	9.90	4.84	169.6	17.86	9.43	5.12	189.7
	4	15.58	9.60	3.35	81.2	14.12	10.62	3.04	66.7	15.21	10.03	3.27	77.4	16.23	9.58	3.49	88.1	17.14	9.12	3.69	98.3
	5	14.82	9.25	2.55	47.0	13.48	10.32	2.32	38.9	14.53	9.74	2.50	45.2	15.49	9.18	2.66	51.3	16.46	8.77	2.83	58.0
	6	14.12	8.98	2.02	29.6	12.78	9.97	1.83	24.3	13.79	9.37	1.98	28.3	14.82	8.82	2.12	32.7	15.64	8.38	2.24	36.4
	7	13.38	8.57	1.64	19.6	11.98	9.72	1.47	15.7	13.05	9.12	1.60	18.6	13.99	8.53	1.72	21.4	14.94	8.03	1.84	24.4
7	3	15.16	9.47	4.34	136.5	13.75	10.54	3.94	112.4	14.82	9.95	4.25	130.6	15.92	9.45	4.56	150.6	16.81	8.96	4.82	168.0
	4	14.53	9.14	3.12	70.6	13.03	10.31	2.80	56.8	14.14	9.62	3.04	66.9	15.19	9.14	3.27	77.2	16.15	8.67	3.47	87.2
	5	13.79	8.81	2.37	40.7	12.37	9.97	2.13	32.8	13.50	9.29	2.32	39.0	14.47	8.73	2.49	44.8	15.37	8.32	2.64	50.6
	6	13.07	8.55	1.87	25.4	11.65	9.66	1.67	20.2	12.84	8.96	1.84	24.5	13.81	8.40	1.98	28.4	14.67	7.95	2.10	32.0
	7	12.37	8.16	1.52	16.7	10.87	9.31	1.34	12.9	11.96	8.69	1.47	15.6	12.99	8.12	1.60	18.4	13.89	7.62	1.71	21.1
8	3	14.12	9.06	4.05	118.6	12.60	10.17	3.61	94.4	13.79	9.49	3.95	113.1	14.84	8.96	4.26	131.0	15.80	8.47	4.53	148.4
	4	13.50	8.75	2.90	60.9	11.98	9.84	2.58	48.0	13.09	9.27	2.81	57.3	14.12	8.67	3.04	66.7	15.04	8.22	3.23	75.6
	5	12.82	8.38	2.20	35.2	11.24	9.55	1.93	27.0	12.43	8.88	2.14	33.1	13.48	8.36	2.32	38.9	14.40	7.89	2.48	44.4
	6	11.98	8.12	1.72	21.3	10.52	9.29	1.51	16.4	11.75	8.57	1.68	20.5	12.78	7.99	1.83	24.3	13.68	7.52	1.96	27.8
	7	11.28	7.75	1.39	13.9	9.76	8.90	1.20	10.4	10.93	8.28	1.34	13.0	11.96	7.68	1.47	15.6	12.80	7.21	1.57	17.9
9	3	13.13	8.65	3.76	102.5	11.55	9.78	3.31	79.3	12.76	9.08	3.66	96.8	13.85	8.51	3.97	114.0	14.75	8.06	4.23	129.3
	4	12.39	8.34	2.66	51.3	10.87	9.49	2.34	39.5	12.02	8.81	2.58	48.3	13.05	8.28	2.81	57.0	13.99	7.77	3.01	65.4
	5	11.73	7.99	2.02	29.4	10.05	9.27	1.73	21.6	11.36	8.51	1.95	27.6	12.37	7.93	2.13	32.8	13.31	7.42	2.29	37.9
	6	10.95	7.69	1.57	17.8	9.29	8.98	1.33	12.8	10.56	8.24	1.51	16.6	11.69	7.56	1.68	20.3	12.60	7.07	1.81	23.6
	7	10.13	7.32	1.24	11.2	8.67	/	1.07	8.2	9.78	7.87	1.20	10.4	10.83	7.32	1.33	12.8	11.73	6.76	1.44	15.0
10	3	12.04	8.20	3.45	86.2	10.36	9.41	2.97	63.8	11.55	8.75	3.31	79.3	12.72	8.16	3.65	96.2	13.71	7.64	3.93	111.8
	4	11.30	7.89	2.43	42.7	9.58	9.21	2.06	30.7	10.91	8.45	2.35	39.8	12.02	7.85	2.58	48.3	12.92	7.34	2.78	55.8
	5	10.56	7.64	1.82	23.9	8.98	/	1.54	17.3	10.11	8.18	1.74	21.9	11.26	7.54	1.94	27.1	12.23	7.01	2.10	32.0
	6	9.84	7.31	1.41	14.4	8.51	/	1.22	10.8	9.39	7.87	1.35	13.1	10.52	7.13	1.51	16.4	11.44	6.66	1.64	19.4
	7	8.98	6.99	1.10	8.8	8.01	/	0.98	7.0	8.55	7.58	1.05	8.0	9.64	6.92	1.18	10.2	10.69	6.33	1.31	12.5
11	3	10.87	7.83	3.12	70.2	9.21	/	2.64	50.5	10.48	8.34	3.00	65.3	11.57	7.79	3.32	79.6	12.60	7.23	3.61	94.4
	4	10.19	7.56	2.19	34.7	8.77	/	1.88	25.7	9.78	8.03	2.10	32.0	10.89	7.42	2.34	39.7	11.90	6.94	2.56	47.4
	5	9.41	7.27	1.62	18.9	8.34	/	1.43	14.9	8.98	7.83	1.54	17.3	10.13	7.11	1.74	22.0	11.12	6.60	1.91	26.5
	6	8.57	6.97	1.23	10.9	7.81	/	1.12	9.1	8.24	7.48	1.18	10.1	9.35	6.88	1.34	13.0	10.32	6.27	1.48	15.8
	7	7.64	6.72	0.94	6.4	7.36	/	0.90	5.9	7.36	/	0.90	5.9	8.47	6.53	1.04	7.8	9.51	5.90	1.17	9.9
12	3	9.72	7.46	2.79	56.2	8.53	/	2.45	43.3	9.25	8.05	2.65	50.9	10.48	7.34	3.00	65.3	11.45	6.84	3.28	78.0
	4	9.00	7.21	1.94	27.1	8.12	/	1.75	22.1	8.55	7.77	1.84	24.5	9.74	7.07	2.09	31.7	10.77	6.53	2.32	38.8
	5	8.22	6.95	1.41	14.5	7.77	/	1.34	12.9	7.79	7.52	1.34	13.0	8.98	6.82	1.54	17.3	9.99	6.23	1.72	21.4
	6	7.31	6.72	1.05	7.9	7.23	/	1.04	7.8	7.23	7.09	1.04	7.8	8.14	6.53	1.17	9.9	9.16	5.88	1.31	12.5
	7	6.47	/	0.79	4.6	6.72	/	0.83	4.9	6.66	/	0.82	4.9	7.11	6.19	0.87	5.5	8.32	5.53	1.02	7.6
13	3	8.49	7.13	2.43	42.9	7.87	/	2.26	36.8	8.01	7.73	2.30	38.1	9.23	6.99	2.65	50.7	10.32	6.45	2.96	63.4
	4	7.77	6.86	1.67	20.2	7.50	/	1.61	18.8	7.50	7.36	1.61	18.8	8.49	6.82	1.83	24.1	9.58	6.14	2.06	30.7
	5	6.94	6.78	1.19	10.3	6.99	/	1.20	10.5	7.01	/	1.21	10.5	7.75	6.49	1.33	12.9	8.82	5.84	1.52	16.7
	6	6.31	/	0.90	5.9	6.53	/	0.94	6.3	6.53	/	0.94	6.3	6.84	6.25	0.98	7.0	7.97	5.53	1.14	9.4
	7	5.77	/	0.71	3.6	5.98	/	0.73	3.9	6.00	/	0.74	3.9	6.00	5.86	0.74	3.9	6.97	5.22	0.86	5.3

MKT4-2000 / MKT4H-2000G50

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	22.94	13.82	6.57	270.6	21.04	15.19	6.03	227.7	22.47	14.42	6.44	259.7	23.77	13.79	6.81	290.6	25.09	13.17	7.19	323.8
	4	22.05	13.40	4.74	140.7	20.26	14.73	4.36	118.8	21.69	14.00	4.66	136.1	22.96	13.40	4.94	152.6	24.10	12.73	5.18	168.1
	5	21.09	12.94	3.63	82.4	19.30	14.39	3.32	69.0	20.68	13.56	3.56	79.2	22.05	12.91	3.79	90.1	23.17	20.03	3.99	99.4
	6	20.16	12.57	2.89	52.3	18.36	13.90	2.63	43.4	19.77	13.09	2.83	50.2	21.14	12.42	3.03	57.5	22.16	11.79	3.18	63.1
	7	19.17	11.97	2.36	34.7	17.35	13.56	2.13	28.4	18.73	12.65	2.30	33.1	20.10	11.97	2.47	38.2	21.22	11.32	2.61	42.6
6	3	21.64	13.27	6.20	240.8	19.71	14.62	5.65	199.9	21.14	13.84	6.06	230.0	22.52	13.19	6.46	260.9	23.82	12.57	6.83	291.8
	4	20.78	12.81	4.47	124.9	18.83	14.16	4.05	102.6	20.29	13.38	4.36	119.1	21.64	12.78	4.65	135.5	22.86	12.16	4.91	151.2
	5	19.77	12.34	3.40	72.4	17.97	13.77	3.09	59.8	19.38	12.99	3.33	69.5	20.65	12.23	3.55	79.0	21.95	11.69	3.78	89.2
	6	18.83	11.97	2.70	45.6	17.04	13.30	2.44	37.3	18.39	12.49	2.64	43.5	19.77	11.77	2.83	50.2	20.86	11.17	2.99	55.9
	7	17.84	11.43	2.19	30.1	15.97	12.96	1.96	24.1	17.40	12.16	2.14	28.6	18.65	11.38	2.29	32.9	19.92	10.70	2.45	37.5
7	3	20.21	12.62	5.79	210.1	18.34	14.05	5.26	173.0	19.77	13.27	5.67	201.0	21.22	12.60	6.08	231.7	22.42	11.95	6.43	258.5
	4	19.38	12.18	4.17	108.6	17.38	13.74	3.74	87.4	18.86	12.83	4.05	102.9	20.26	12.18	4.36	118.8	21.53	11.56	4.63	134.2
	5	18.39	11.74	3.16	62.6	16.49	13.30	2.84	50.4	18.00	12.39	3.10	60.0	19.30	11.64	3.32	69.0	20.49	11.09	3.52	77.8
	6	17.43	11.40	2.50	39.1	15.53	12.88	2.23	31.0	17.12	11.95	2.45	37.7	18.42	11.19	2.64	43.6	19.56	10.60	2.80	49.2
	7	16.49	10.88	2.03	25.7	14.49	12.42	1.78	19.9	15.95	11.58	1.96	24.0	17.32	10.83	2.13	28.4	18.52	10.16	2.28	32.4
8	3	18.83	12.08	5.40	182.4	16.81	13.56	4.82	145.3	18.39	12.65	5.27	174.0	19.79	11.95	5.67	201.5	21.06	11.30	6.04	228.3
	4	18.00	11.66	3.87	93.8	15.97	13.12	3.43	73.8	17.45	12.36	3.75	88.2	18.83	11.56	4.05	102.6	20.05	10.96	4.31	116.3
	5	17.09	11.17	2.94	54.1	14.99	12.73	2.58	41.6	16.57	11.84	2.85	50.9	17.97	11.14	3.09	59.8	19.19	10.52	3.30	68.2
	6	15.97	10.83	2.29	32.8	14.03	12.39	2.01	25.3	15.66	11.43	2.24	31.6	17.04	10.65	2.44	37.3	18.23	10.03	2.61	42.8
	7	15.04	10.34	1.85	21.4	13.01	11.87	1.60	16.0	14.57	11.04	1.79	20.1	15.95	10.23	1.96	24.0	17.06	9.61	2.10	27.5
9	3	17.51	11.53	5.02	157.7	15.40	13.04	4.42	122.0	17.01	12.10	4.88	148.9	18.47	11.35	5.29	175.4	19.66	10.75	5.64	198.9
	4	16.52	11.12	3.55	79.0	14.49	12.65	3.12	60.8	16.03	11.74	3.45	74.3	17.40	11.04	3.74	87.6	18.65	10.36	4.01	100.6
	5	15.64	10.65	2.69	45.3	13.40	12.36	2.31	33.3	15.14	11.35	2.60	42.5	16.49	10.57	2.84	50.4	17.74	9.90	3.05	58.3
	6	14.60	10.26	2.09	27.4	12.39	11.97	1.78	19.7	14.08	10.99	2.02	25.5	15.58	10.08	2.23	31.2	16.81	9.43	2.41	36.3
	7	13.51	9.77	1.66	17.2	11.56	/	1.42	12.6	13.04	10.49	1.60	16.1	14.44	9.77	1.77	19.7	15.64	9.01	1.92	23.1
10	3	16.05	10.94	4.60	132.5	13.82	12.55	3.96	98.2	15.40	11.66	4.42	122.0	16.96	10.88	4.86	148.0	18.29	10.18	5.24	172.0
	4	15.06	10.52	3.24	65.7	12.78	12.29	2.75	47.3	14.55	11.27	3.13	61.2	16.03	10.47	3.45	74.3	17.22	9.79	3.70	85.8
	5	14.08	10.18	2.42	36.7	11.97	/	2.06	26.6	13.48	10.91	2.32	33.7	15.01	10.05	2.58	41.7	16.31	9.35	2.81	49.3
	6	13.12	9.74	1.88	22.1	11.35	/	1.63	16.6	12.52	10.49	1.79	20.2	14.03	9.51	2.01	25.3	15.25	8.88	2.19	29.9
	7	11.97	9.32	1.47	13.6	10.68	/	1.31	10.8	11.40	10.10	1.40	12.3	12.86	9.22	1.58	15.6	14.26	8.44	1.75	19.2
11	3	14.49	10.44	4.15	108.1	12.29	/	3.52	77.6	13.97	11.12	4.01	100.5	15.43	10.39	4.42	122.5	16.81	9.64	4.82	145.3
	4	13.58	10.08	2.92	53.4	11.69	/	2.51	39.5	13.04	10.70	2.80	49.2	14.52	9.90	3.12	61.0	15.87	9.25	3.41	72.9
	5	12.55	9.69	2.16	29.2	11.12	/	1.91	22.9	11.97	10.44	2.06	26.6	13.51	9.48	2.32	33.8	14.83	8.81	2.55	40.7
	6	11.43	9.30	1.64	16.8	10.42	/	1.49	14.0	10.99	9.97	1.57	15.5	12.47	9.17	1.79	20.0	13.77	8.36	1.97	24.4
	7	10.18	8.96	1.25	9.8	9.82	/	1.21	9.1	9.82	/	1.21	9.1	11.30	8.70	1.39	12.1	12.68	7.87	1.56	15.2
12	3	12.96	9.95	3.72	86.4	11.38	/	3.26	66.6	12.34	10.73	3.54	78.3	13.97	9.79	4.01	100.5	15.27	9.12	4.38	120.0
	4	12.00	9.61	2.58	41.7	10.83	/	2.33	34.0	11.40	10.36	2.45	37.6	12.99	9.43	2.79	48.8	14.36	8.70	3.09	59.7
	5	10.96	9.27	1.89	22.3	10.36	/	1.78	19.9	10.39	10.03	1.79	20.0	11.97	9.09	2.06	26.6	13.32	8.31	2.29	32.9
	6	9.74	8.96	1.40	12.2	9.64	/	1.38	11.9	9.64	9.45	1.38	11.9	10.86	8.70	1.56	15.2	12.21	7.84	1.75	19.2
	7	8.62	/	1.06	7.0	8.96	/	1.10	7.6	8.88	/	1.09	7.5	9.48	8.26	1.16	8.5	11.09	7.38	1.36	11.6
13	3	11.32	9.51	3.25	66.0	10.49	/	3.01	56.6	10.68	10.31	3.06	58.6	12.31	9.32	3.53	78.0	13.77	8.60	3.95	97.5
	4	10.36	9.14	2.23	31.1	10.00	/	2.15	28.9	10.00	9.82	2.15	28.9	11.32	9.09	2.43	37.1	12.78	8.18	2.75	47.3
	5	9.25	9.04	1.59	15.8	9.32	/	1.60	16.1	9.35	/	1.61	16.2	10.34	8.65	1.78	19.8	11.77	7.79	2.02	25.6
	6	8.42	/	1.21	9.1	8.70	/	1.25	9.7	8.70	/	1.25	9.7	9.12	8.34	1.31	10.7	10.62	7.38	1.52	14.5

	7	7.69	/	0.94	5.6	7.97	/	0.98	6.0	8.00	/	0.98	6.1	8.00	7.82	0.98	6.1	9.30	6.96	1.14	8.2

Cooling capacity modification coefficient table**:**

Speed	200		300		400		500		600		800		1000		1200		1400		1500		2000	
	TC	SC	TC	SC	TC	SC	TC	SC	TC	TC	SC	TC	SC	SC	TC	SC	TC	SC	TC	SC	TC	SC
High	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mid	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.8	0.8
Low	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Heating Capacities (with fan at high speed and 30Pa static pressure)

Remark:

Δ**t:** Water Temperature Difference (℃) ; **TH:** Total Heating Capacity (kW); **WF:** Water Flow (m^3/h); **WPD:** Water Pressure Drop (kPa)

Model	Δt	Air inlet temp. (20℃ DB)																	
		Water inlet temp. (℃)																	
		30			40			50			60			70			80		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
200	10	0.62	0.05	0.0	2.15	0.19	0.3	3.76	0.32	0.8	5.34	0.46	1.7	6.88	0.59	2.8	8.38	0.72	4.2
	8	0.76	0.08	0.1	2.37	0.25	0.5	3.96	0.43	1.4	5.49	0.59	2.8	7.03	0.76	4.6	8.53	0.92	6.7
	6	0.96	0.14	0.2	2.57	0.37	1.1	4.13	0.59	2.8	5.68	0.81	5.3	7.22	1.03	8.6	8.71	1.25	12.5
300	10	0.91	0.08	0.1	3.18	0.27	0.9	5.55	0.48	2.8	7.89	0.68	5.7	10.17	0.87	9.5	12.38	1.06	14.1
	8	1.12	0.12	0.2	3.50	0.38	1.8	5.84	0.63	4.9	8.10	0.87	9.4	10.38	1.12	15.5	12.60	1.35	22.8
	6	1.42	0.20	0.5	3.79	0.54	3.7	6.10	0.87	9.5	8.39	1.20	18.0	10.66	1.53	29.0	12.87	1.84	42.3
400	10	1.10	0.09	0.1	3.86	0.33	1.3	6.74	0.58	4.0	9.57	0.82	8.1	12.33	1.06	13.5	15.02	1.29	20.0
	8	1.36	0.15	0.3	4.24	0.46	2.5	7.09	0.76	7.0	9.83	1.06	13.4	12.59	1.35	22.0	15.28	1.64	32.4
	6	1.72	0.25	0.7	4.60	0.66	5.2	7.40	1.06	13.5	10.18	1.46	25.5	12.94	1.85	41.3	15.61	2.24	60.1
500	10	1.34	0.12	0.1	4.69	0.40	1.6	8.19	0.70	5.0	11.64	1.01	10.1	15.00	1.29	16.8	18.27	1.57	24.9
	8	1.66	0.18	0.3	5.16	0.55	3.1	8.62	0.93	8.7	11.96	1.29	16.7	15.31	1.65	27.4	18.59	2.00	40.3
	6	2.09	0.30	0.9	5.59	0.80	6.5	9.05	1.29	16.8	12.38	1.77	31.8	15.73	2.26	51.3	18.99	2.72	74.8
600	10	1.66	0.14	0.2	5.79	0.50	2.7	10.12	0.87	8.1	14.39	1.24	16.4	18.53	1.59	27.2	22.57	1.94	40.4
	8	2.05	0.22	0.5	6.38	0.69	5.0	10.65	1.15	14.0	14.77	1.59	27.0	18.92	2.03	44.3	22.96	2.47	65.3
	6	2.58	0.37	1.5	6.91	0.99	10.5	11.12	1.59	27.2	15.29	2.19	51.5	19.44	2.79	83.2	23.46	3.36	121.1
800	10	2.27	0.20	0.2	7.94	0.68	2.3	13.87	1.19	6.9	19.72	1.70	13.9	25.40	2.18	23.1	30.94	2.66	34.3
	8	2.80	0.30	0.4	8.74	0.94	4.3	14.60	1.57	11.9	20.25	2.18	23.0	25.93	2.79	37.7	31.47	3.38	55.5
	6	3.54	0.51	1.2	9.47	1.36	8.9	15.24	2.18	23.1	20.96	3.00	43.7	26.64	3.82	70.7	32.16	4.61	102.9
1000	10	2.56	0.22	0.3	8.94	0.77	3.1	15.62	1.34	9.5	22.20	1.91	19.3	28.60	2.46	32.0	34.83	3.00	47.5
	8	3.16	0.34	0.6	9.84	1.06	5.9	16.44	1.77	16.5	22.80	2.45	31.8	29.20	3.14	52.1	35.44	3.81	76.8
	6	3.98	0.57	1.7	10.66	1.53	12.3	17.16	2.46	32.0	23.60	3.38	60.5	30.00	4.30	97.8	36.21	5.19	142.5
1200	10	2.56	0.22	0.3	8.96	0.77	3.3	15.66	1.35	10.0	22.25	1.91	20.1	28.67	2.47	33.4	34.92	3.00	49.6
	8	3.16	0.34	0.6	9.86	1.06	6.2	16.48	1.77	17.3	22.85	2.46	33.2	29.27	3.15	54.4	35.52	3.82	80.2
	6	3.99	0.57	1.8	10.68	1.53	12.9	17.20	2.47	33.4	23.66	3.39	63.2	30.07	4.31	102.2	36.29	5.20	148.8
1400	10	2.61	0.22	0.2	9.14	0.79	2.7	15.98	1.37	8.2	22.70	1.95	16.5	29.25	2.52	27.3	35.63	3.06	40.5
	8	3.23	0.35	0.5	10.06	1.08	5.1	16.81	1.81	14.1	23.32	2.51	27.1	29.86	3.21	44.5	36.24	3.90	65.6
	6	4.07	0.58	1.5	10.90	1.56	10.5	17.55	2.52	27.3	24.14	3.46	51.7	30.68	4.40	83.5	37.03	5.31	121.7

1500								
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	5.91	0.51	1.8	9.27	0.80	4.4	12.84	1.10	8.4	16.20	1.39	13.4	19.58	1.68	19.6	23.03	1.98	27.1	26.35	2.27	35.5	29.67	2.55	45.0
8	6.56	0.70	3.4	10.21	1.10	8.3	13.67	1.47	14.9	17.05	1.83	23.2	20.33	2.19	33.0	23.65	2.54	44.7	26.97	2.90	58.1	30.29	3.26	73.3
6	7.59	1.09	8.2	11.06	1.58	17.4	14.34	2.05	29.2	17.80	2.55	45.0	21.16	3.03	63.6	24.48	3.51	85.1	27.59	3.95	108.1	31.12	4.46	137.5
2000																								
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	7.77	0.67	2.4	12.19	1.05	5.9	16.88	1.45	11.2	21.30	1.83	17.9	25.75	2.21	26.1	30.27	2.60	36.2	34.64	2.98	47.3	39.00	3.35	60.0
8	8.62	0.93	4.6	13.42	1.44	11.1	17.97	1.93	19.9	22.42	2.41	31.0	26.73	2.87	44.0	31.09	3.34	59.6	35.45	3.81	77.5	39.82	4.28	97.7
6	9.98	1.43	10.9	14.54	2.08	23.2	18.85	2.70	38.9	23.40	3.10	60.0	27.82	3.99	84.8	32.18	4.61	113.5	36.27	5.20	144.2	40.91	5.86	183.4

Heating capacity modification coefficient table**:**

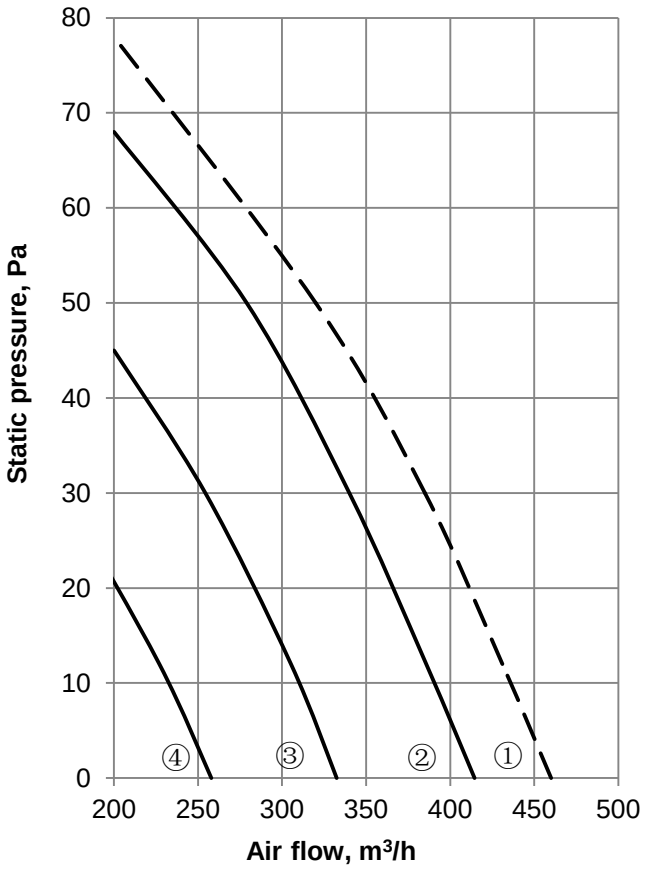
Speed	**200**	**300**	**400**	**500**	**600**	**800**	**1000**	**1200**	**1400**	**1500**	**2000**
	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH	TH
High	1	1	1	1	1	1	1	1	1	1	1
Medium	0.86	0.87	0.86	0.83	0.86	0.85	0.83	0.85	0.84	0.82	0.82
Low	0.74	0.75	0.75	0.74	0.74	0.75	0.74	0.74	0.75	0.71	0.7

Altitude modification coefficient table:

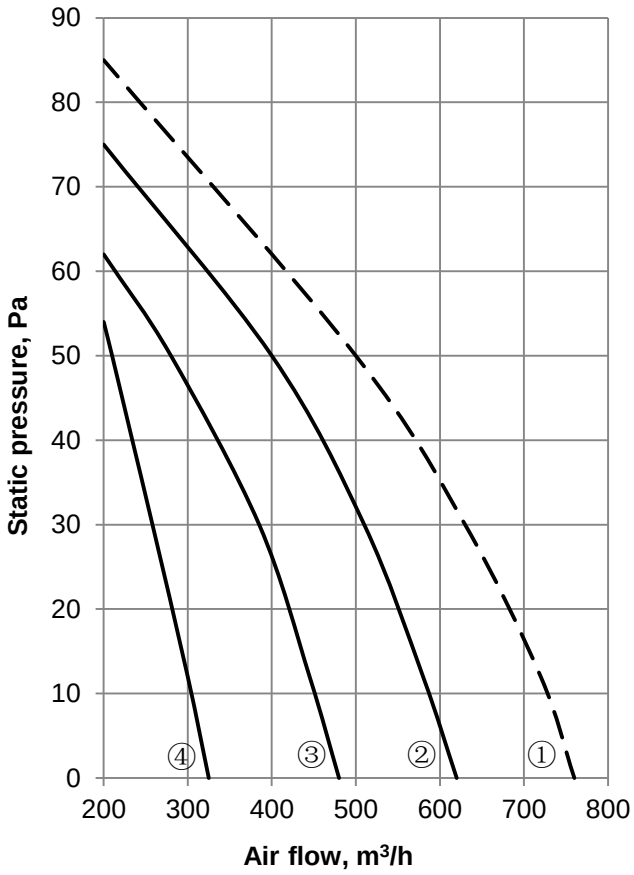
Altitude (m)	TC	SC	TH
500	0.98	0.95	0.95
1000	0.97	0.91	0.91
1500	0.95	0.86	0.86
2000	0.94	0.82	0.82
2500	0.93	0.78	0.78
3000	0.91	0.74	0.7

10. Static Pressure Graphs

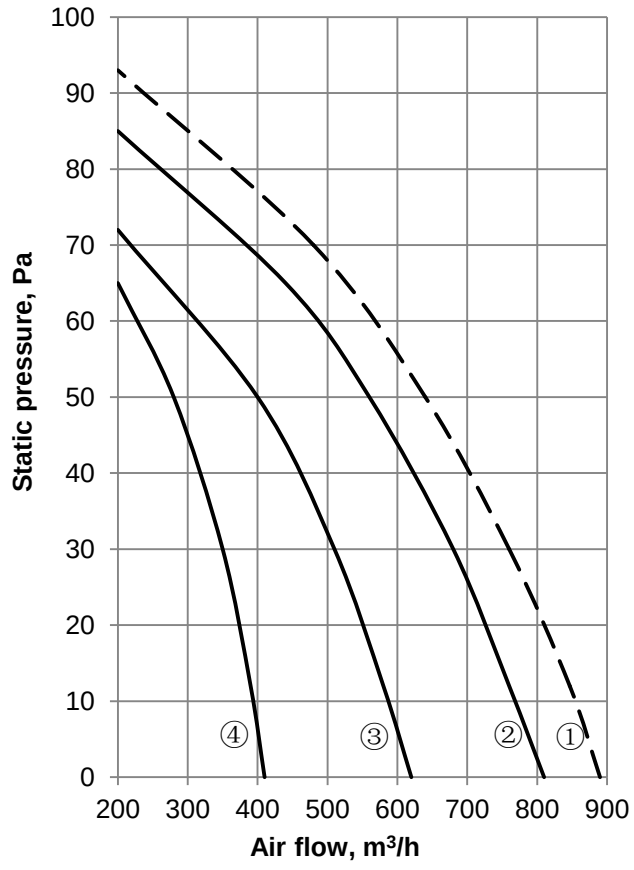
MKT4-200G30



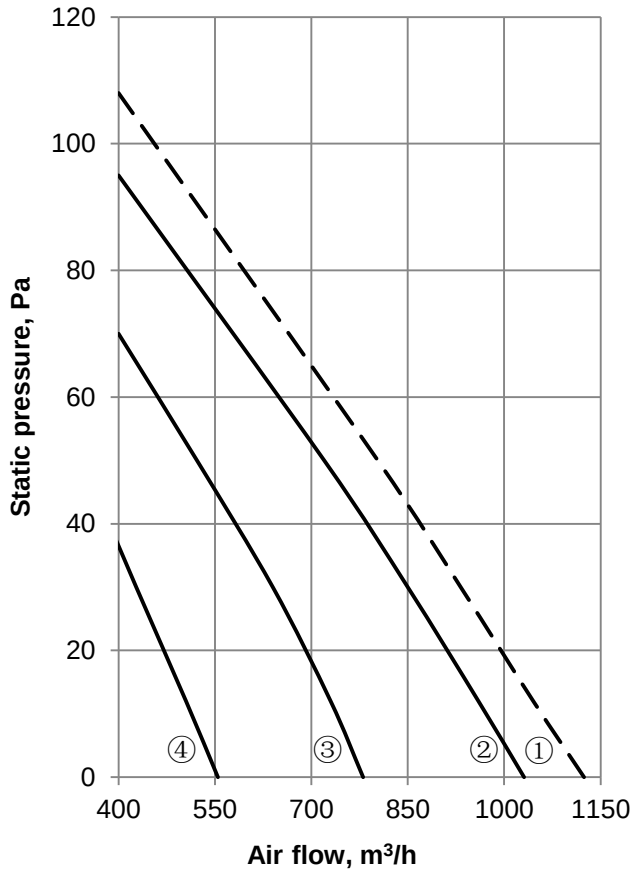
MKT4-300G30



MKT4-400G30

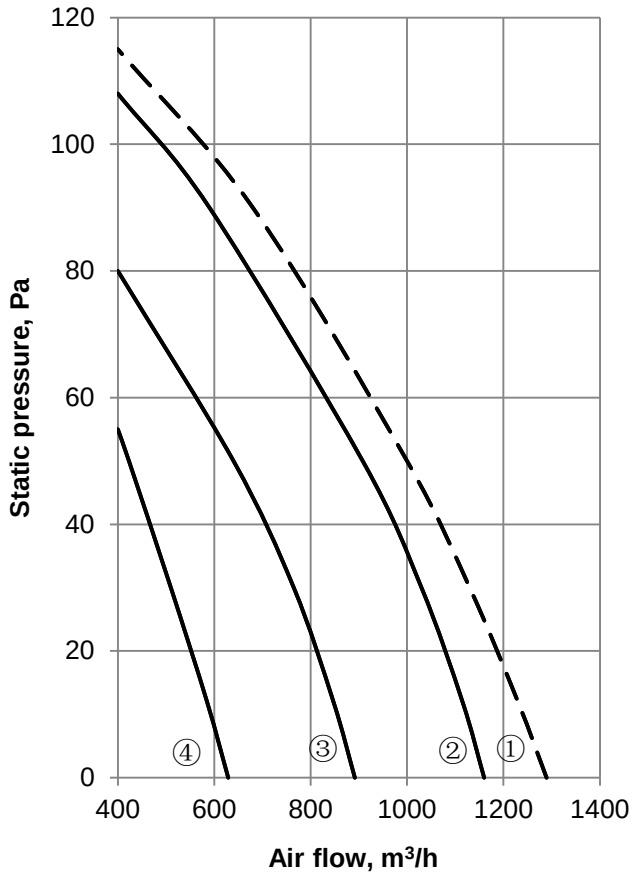


MKT4-500G30

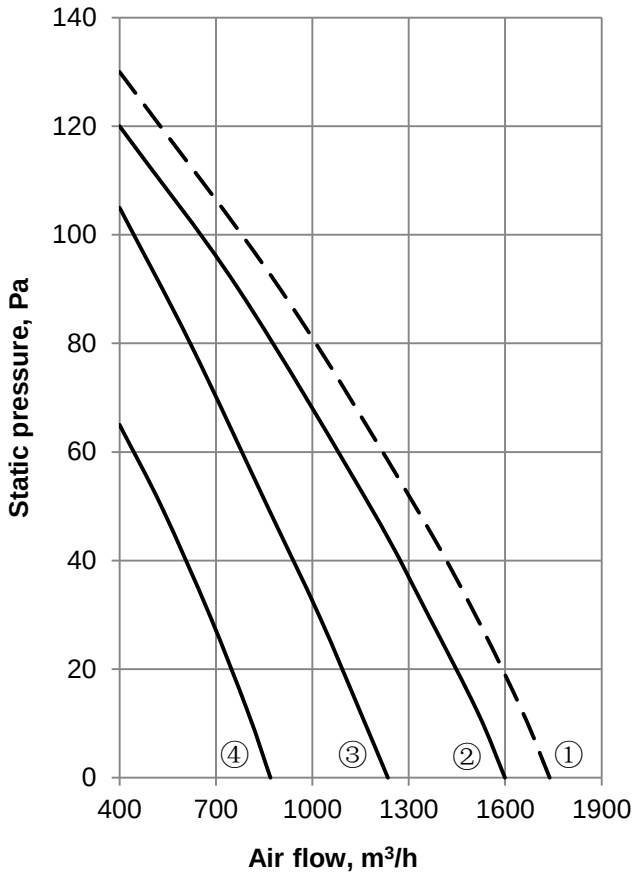


Static pressure graphs

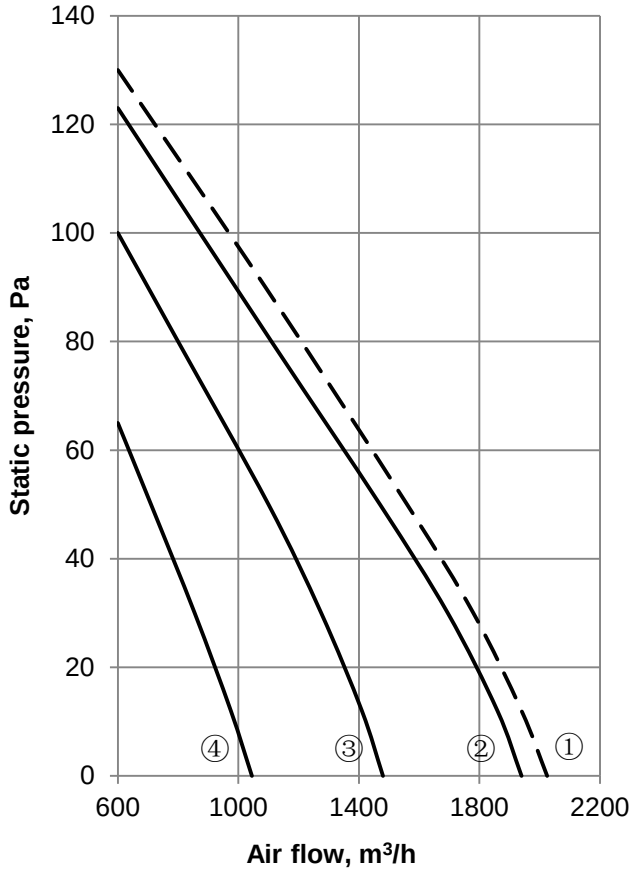
MKT4-600G30



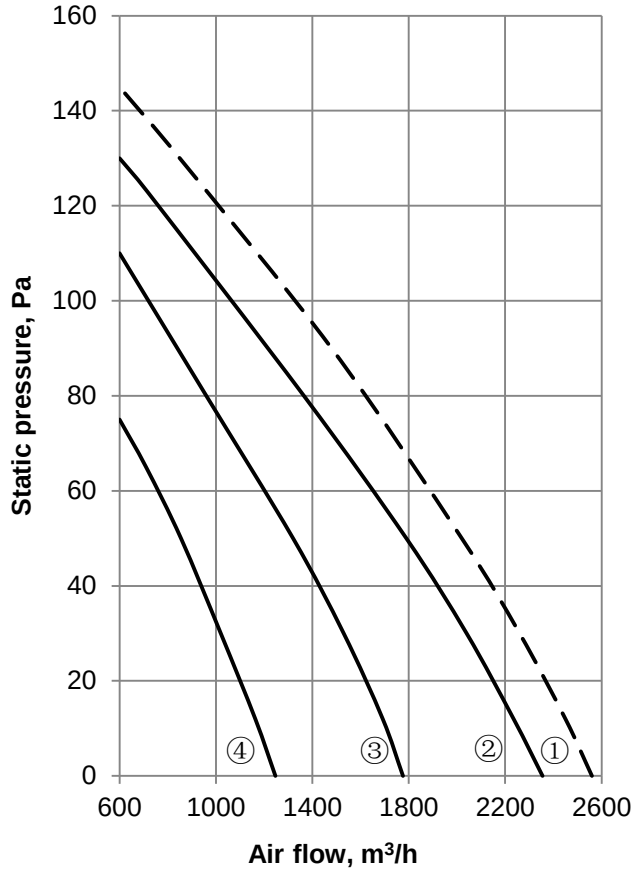
MKT4-800G30



MKT4-1000G30

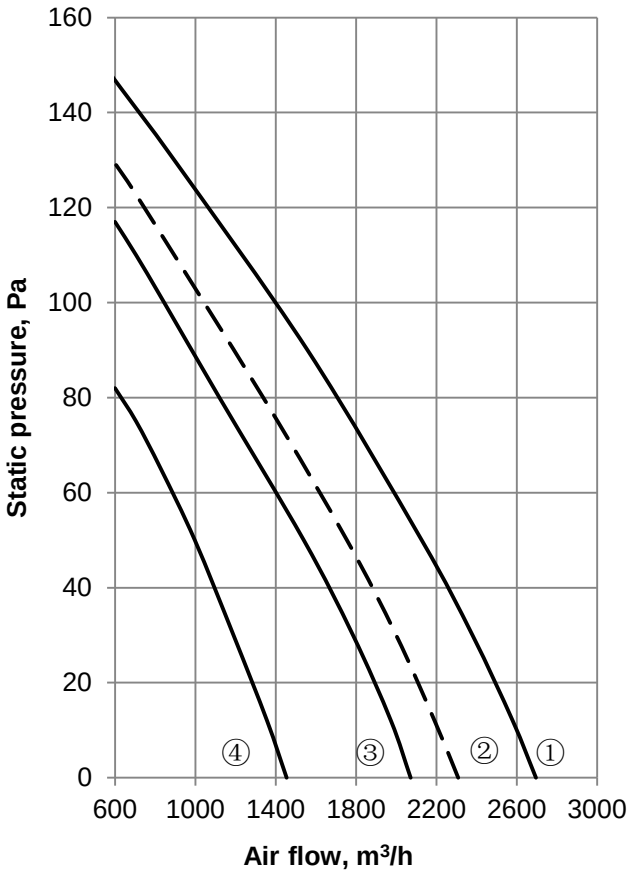


MKT4-1200G30

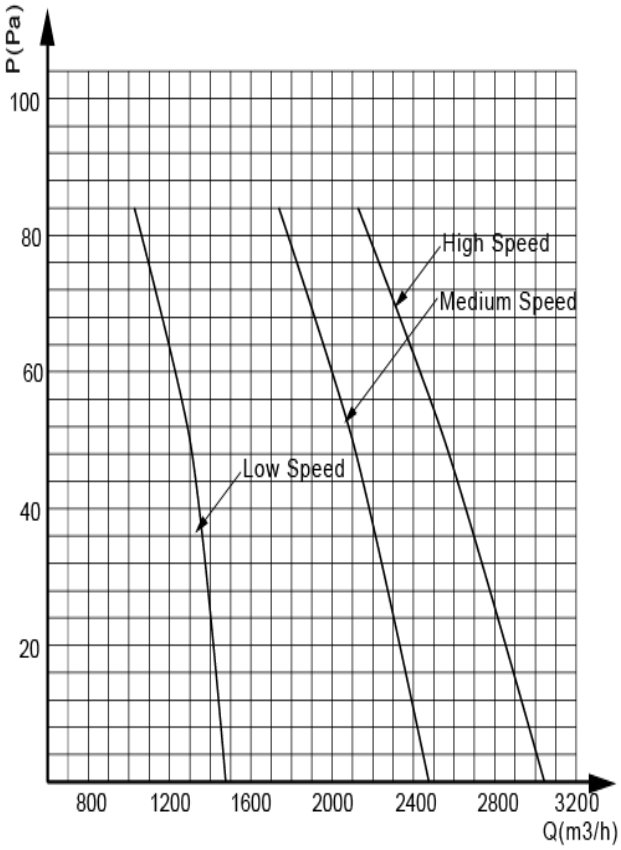


Static pressure graphs

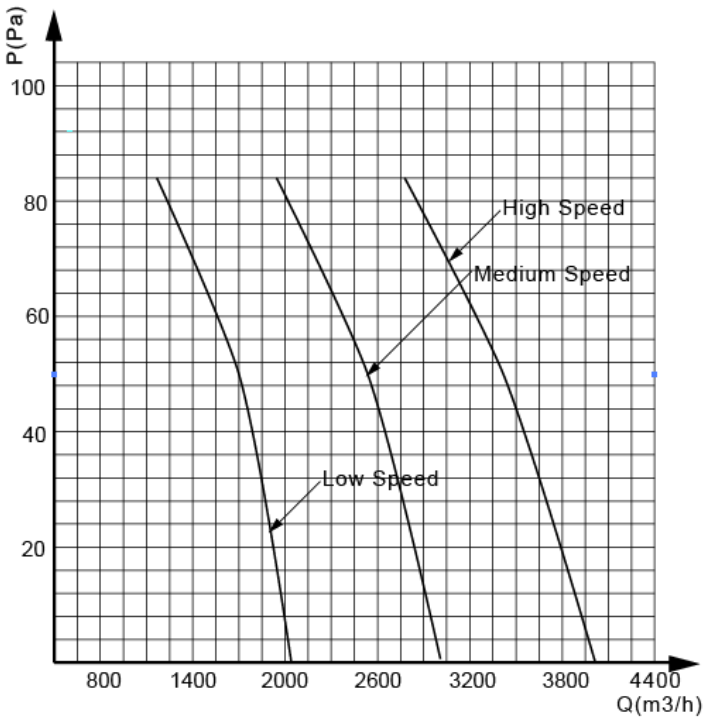
MKT4-1400G30



MKT4H-1500G50



MKT4H-2000G50



Note:

How to read the diagram:

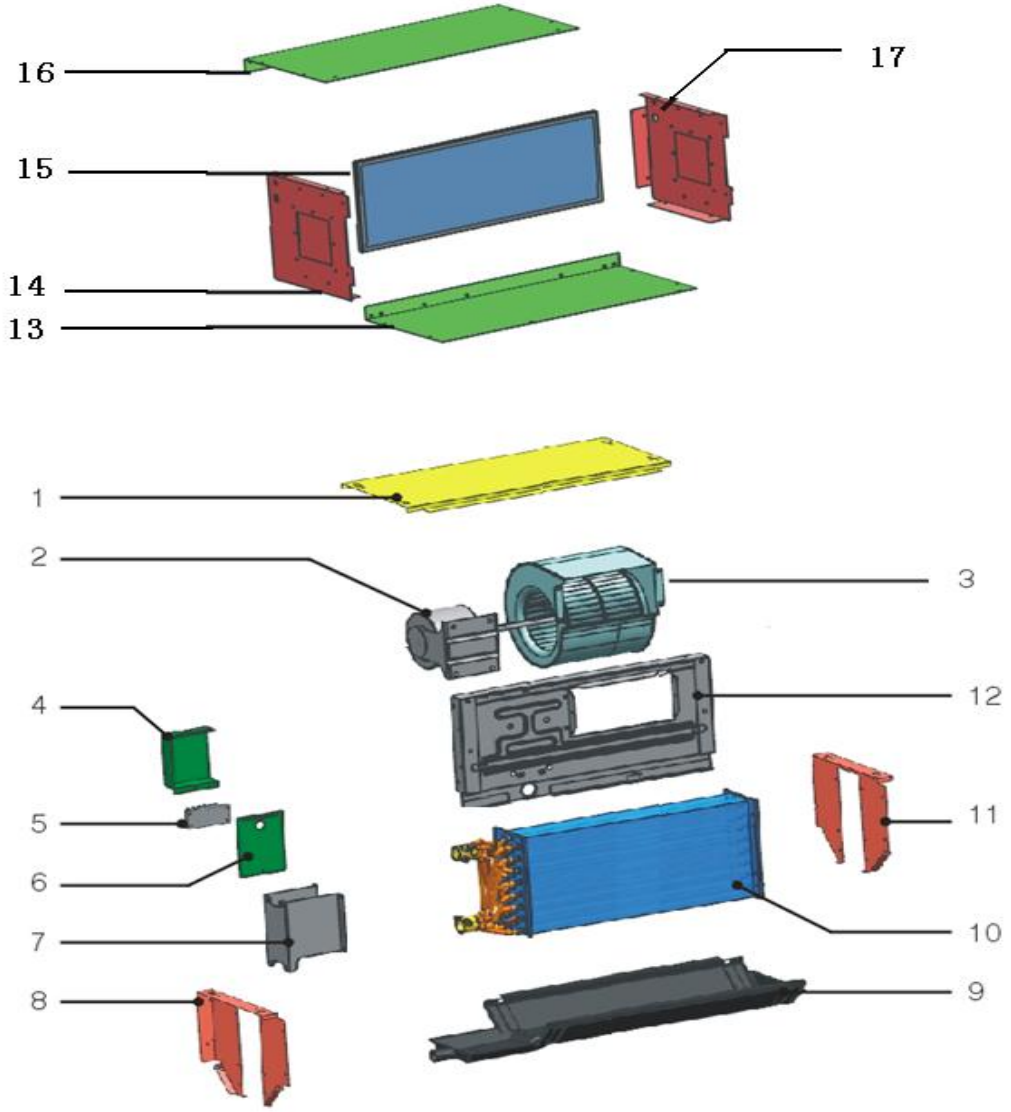
The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m^3/h).

The fan performance curves are for the "①-Super High", "②-High", "③-Medium" and "④-Low" fan speed.

The dotted line stands for reserved fan speed.

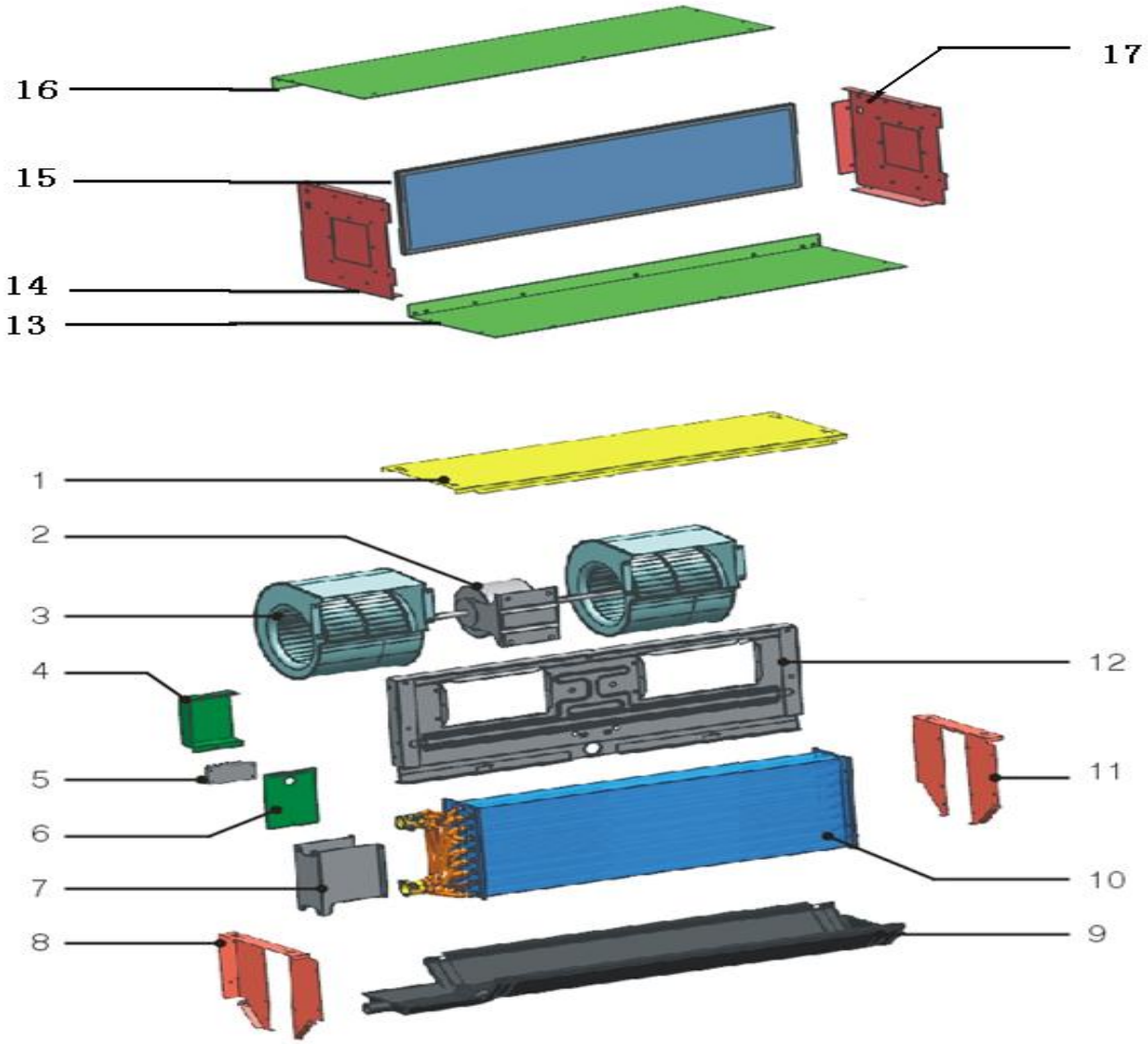
11. Exploded Views

MKT4-200G30



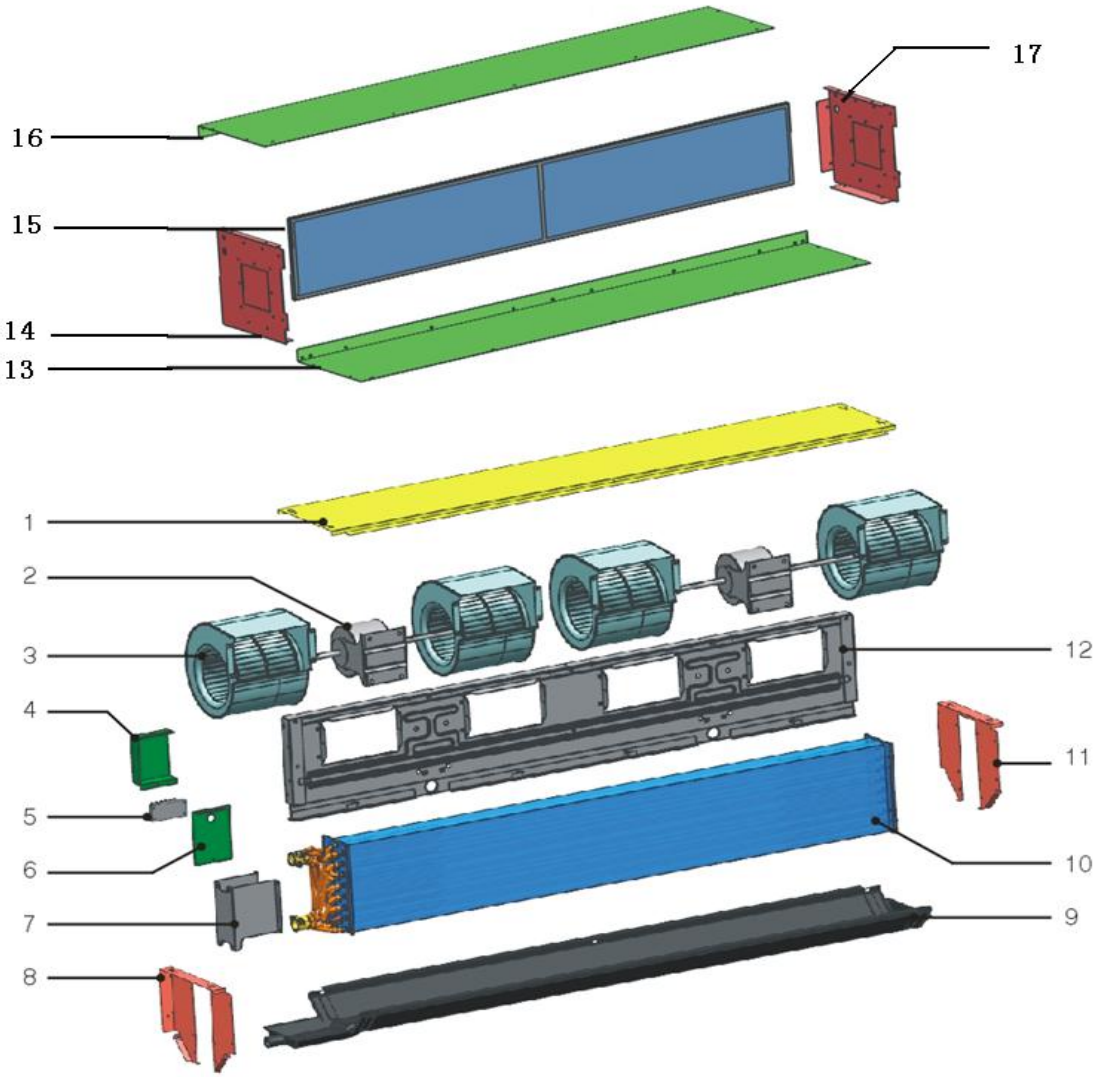
No.	Part Name	Quantity
1	Top panel assy	1
2	Motor ass'y	1
3	Fan ass'y	1
4	Motor junction box cover	1
5	Wire joint, 5p	1
6	Motor junction box	1
7	Water collector installation board	1
8	Left panel	1
9	Drain tray assy	1
10	Evaporater assembly	1
11	Right panel	1
12	Middle clapboard assy	1
13	Rear below cover plate ass'y	1
14	Left cover plate ass'y	1
15	Air filter	1
16	Up cover plate ass'y	1
17	Right cover plate ass'y	1

MKT4-300G30 MKT4-400G30 MKT4-500G30 MKT4-600G30



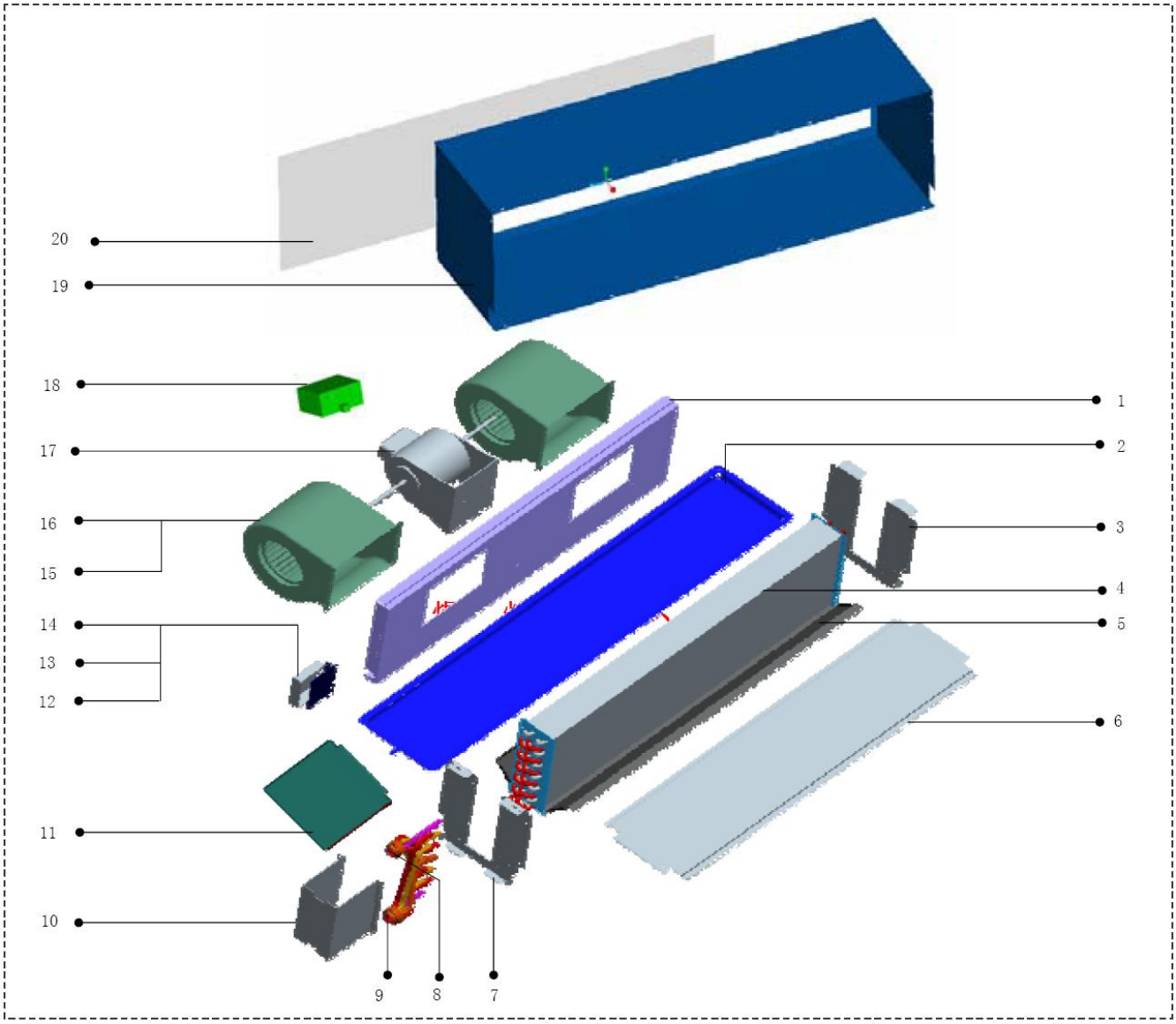
No.	Part Name	Quantity
1	Top panel assy	1
2	Motor ass'y	1
3	Fan ass'y	2
4	Motor junction box cover	1
5	Wire joint, 5p	1
6	Motor junction box	1
7	Water collector installation board	1
8	Left panel	1
9	Drain tray assy	1
10	Evaporater assembly	1
11	Right panel	1
12	Middle clapboard assy	1
13	Rear below cover plate ass'y	1
14	Left cover plate ass'y	1
15	Air filter	1
16	Up cover plate ass'y	1
17	Right cover plate ass'y	1

MKT4-800G30 MKT4-1000G30 MKT4-1200G30 MKT4-1400G30



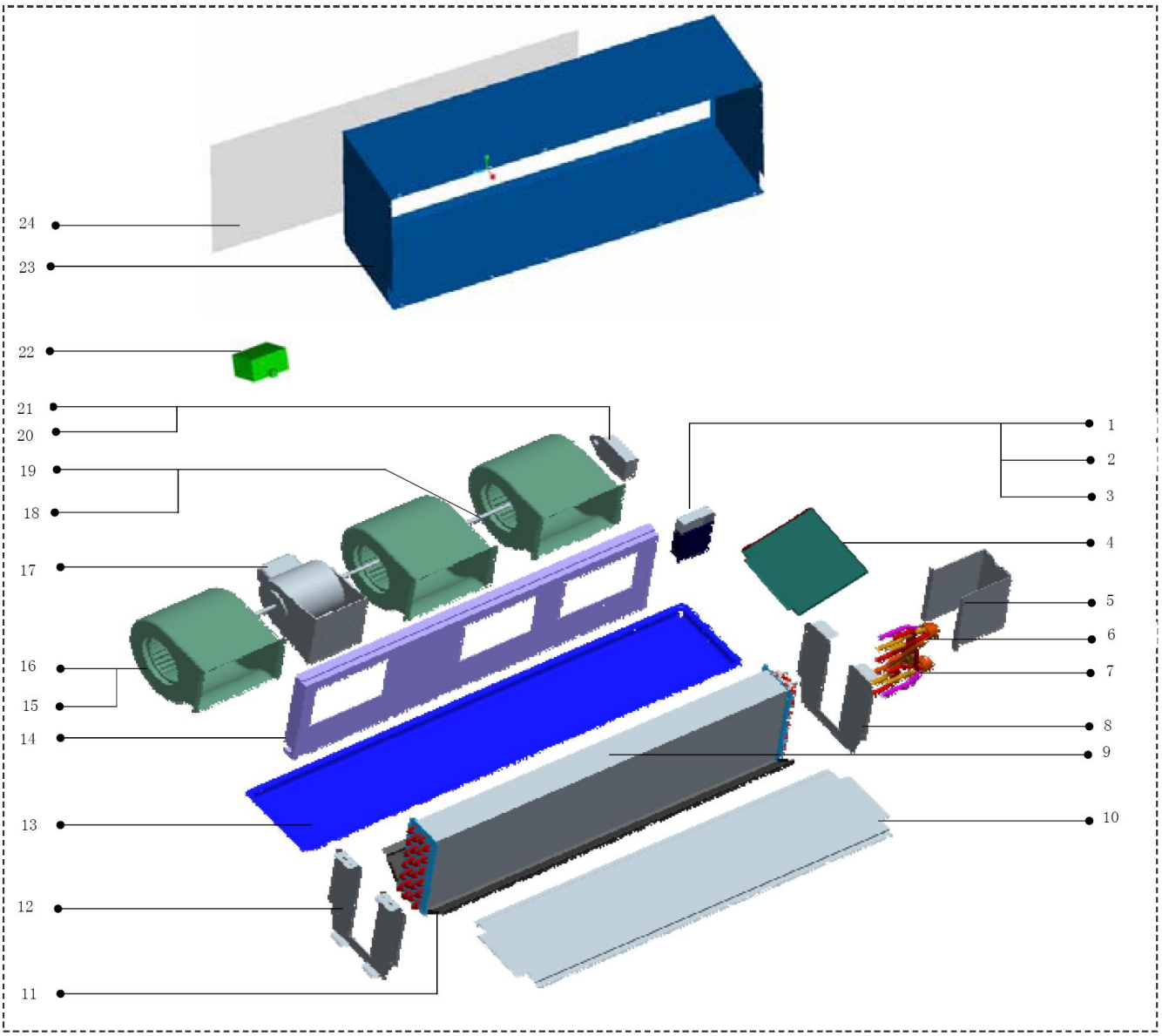
No.	Part Name	Quantity
1	Top panel assy	1
2	Motor ass'y	2
3	Fan ass'y	4
4	Motor junction box cover	1
5	Wire joint, 5p	1
6	Motor junction box	1
7	Water collector installation board	1
8	Left panel	1
9	Drain tray assy	1
10	Evaporater assembly	1
11	Right panel	1
12	Middle clapboard assy	1
13	Rear below cover plate ass'y	1
14	Left cover plate ass'y	1
15	Filter	1
16	Up cover plate ass'y	1
17	Right cover plate ass'y	1

MKT4-1500 MKT4H-1500G50



No.	Part Name	Quantity		No.	Part Name	Quantity
1	Middle beam partition board ass'y	1		11	Plastic Drainage pan	1
2	Drainage pan ass'y	1		12	Installation board	1
3	Right cover ass'y	1		13	Installation board cover	1
4	Evaporator ass'y	1		14	Wire joint	1
5	Drainage pan	1		15	Fan ass'y	2
6	Top cover ass'y	1		16	Volute shell	2
7	Left clapboard ass'y	1		17	Motor ass'y	1
8	Water outlet valve	1		18	Capacitor	1
9	Water inlet valve	1		19	Return air box ass'y	1
10	Installing board	1		20	Air filter	1

MKT4-2000 MKT4H-2000G50



No.	Part Name	Quantity		No.	Part Name	Quantity
1	Installation board	1		13	Drainage pan ass'y	1
2	Installation board cover	1		14	Middle beam partition board ass'y	1
3	Wire joint	1		15	Fan ass'y	3
4	Drainage pan ass'y	1		16	Volute shell	3
5	Installing board	1		17	Motor ass'y	1
6	Water outlet valve	1		18	Coupling	1
7	Water inlet valve	1		19	Connecting shaft	1
8	Left clapboard ass'y	1		20	Bearing supporting board	1
9	Evaporator ass'y	1		21	Bearing Fixing board	1
10	Top cover ass'y	1		22	Capacitor	1
11	Drainage pan	1		23	Return air box ass'y	1
12	Right cover ass'y	1		24	Air filter	1

12. Installation

12.1 Installation site

- Install the unit where installation and maintenance space is enough.
- Install the unit where the ceiling is horizontal and enough to bear the weight of the indoor unit.
- Install the unit where the air inlet and outlet are not baffled and are the least affected by external air.
- Install the unit where the supply air flow can be sent to all parts in the room.
- Install the unit where it is easy to lead out the connective pipe and the drain pipe.
- Install the unit where connotative heat is emitted from a heat source directly.

Caution:

Installing the equipment in any of the following places may lead to faults of the equipment (if that is inevitable, consult the supplier):

- The site contains mineral oils such as cutting lubricant.
- Seaside where the air contains much salt.
- Hot spring area where corrosive gases exist, e.g., sulfide gas.
- Factories where the supply voltage fluctuates seriously.
- Inside a car or cabin.
- Place like kitchen where oil permeates.
- Place where strong electromagnetic waves exist.
- Place where flammable gases or materials exist.
- Place where acid or alkali gases evaporate.
- Other special environments.

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.

12.2 Installation body

Confirm the dimensions of the indoor unit against the following figure.

Install Φ10 pendant bolts (4 bolts)

The intervals of the pendant bolts are shown in the following figure.

Use the Φ10 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.

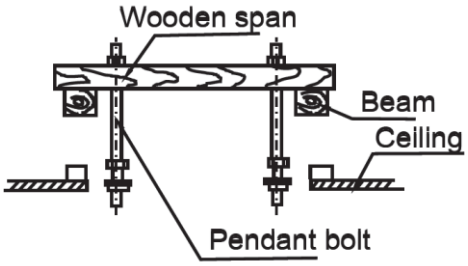
After the main body is suspended, work on the pipes and wires in the ceiling. Decide the lead-out direction of the pipes after selecting the installation site. Especially, in a circumstance where a ceiling is available, extend the refrigerant pipe, drain pipe, indoor/outdoor connection wires and wire controller lines to the connection position before suspending the unit.

12.2.1 Procedure of installing the pendant bolts.

1) Base on the unit structure, please set the screw-pitch according to the size of the following figures:

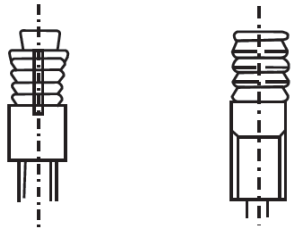
- Wooden structure:

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



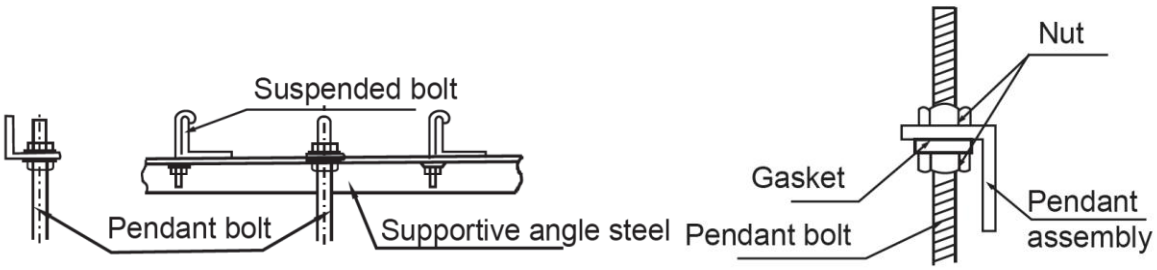
- Old concrete roughcast:

Use embedded bolts and embedded pulling plugs.



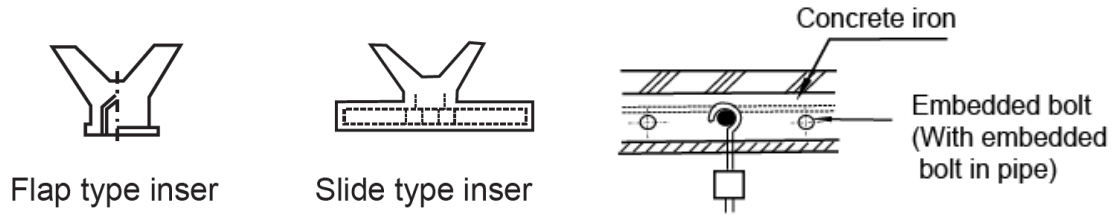
- Steel beam and girder structure:

Set and use supportive angle steel.



- New concrete roughcast:

Set it with embedded bushes or embedded bolts.



2) 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.

3) Connect the duct

The duct length is determined according to the external static pressure.

4) Install the wire control switch

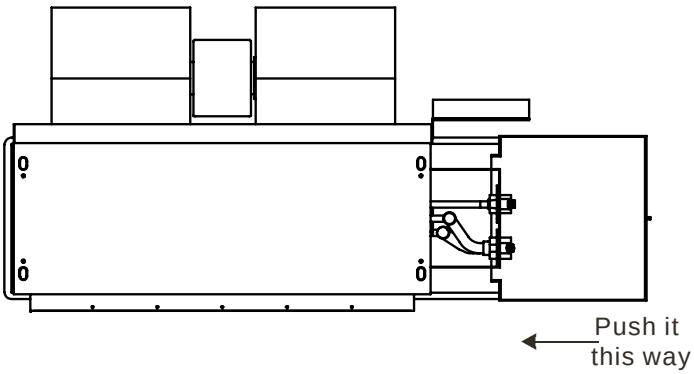
For installation of the wire control switch, see the installation manual of the wire controller.

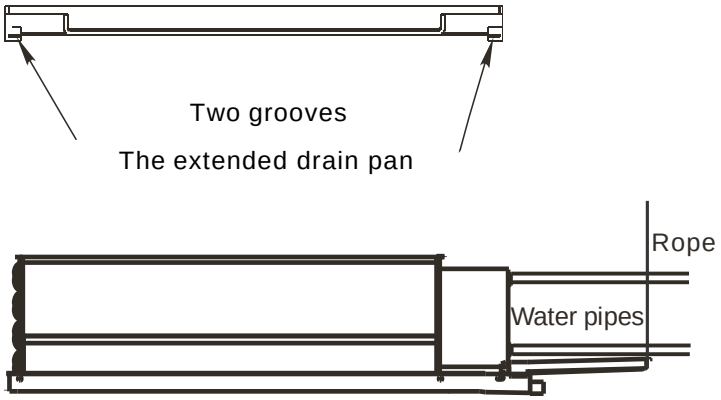
12.2.2 Body dimension

Please refer to chapter 7.

12.3 Installation extended drain pan

The grooves of the extended drain pan can be locked at the brim of the main drain pan.

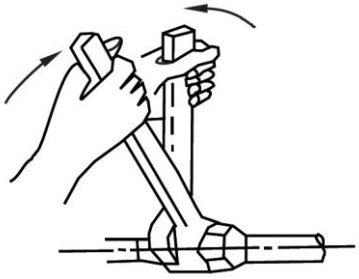




- Please hang up the extended drain pan to the pipes or ceiling by a rope.

12.4 Installation water pipe

- 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 Figure.
- 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.



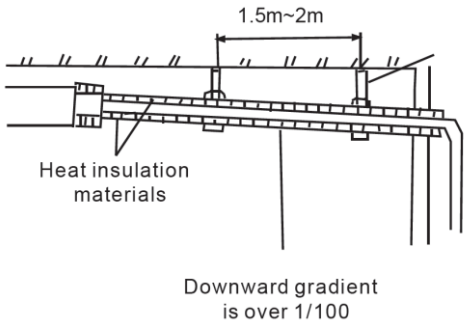
12.5 Installation drain pipe

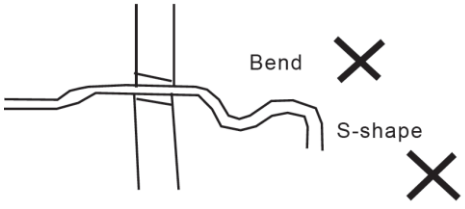
1. Install the drain pipe of the fan coil unit

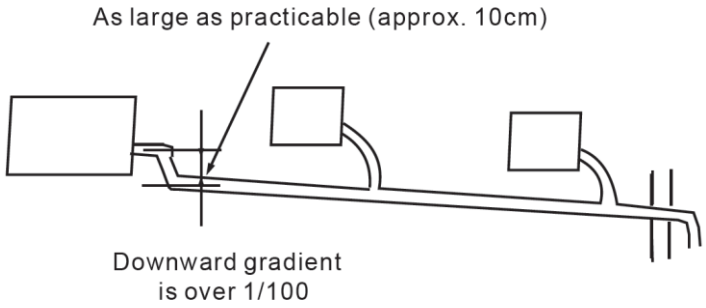
Before out from factory, the scupper adopts the pipe thread.

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 pipes 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 total length of the drain pipe should not exceed 20m, when the pipe is over long, a prop stand must be installed to prevent winging.
- The centralized pipes should be distributed against the figure shown on the right side.







2. 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.

12.6 Wiring installation

CAUTIONS:

- The air conditioner should use separate power supply with rated voltage.
- The external power supply to the air conditioner should have ground wiring, which is linked to the ground wiring of the indoor and outdoor unit.
- The wiring work should be done by qualified persons according to circuit drawing.
- An all-pole disconnection device which has at least 3mm separation distance in all pole and a residual current device (RCD) with the rating of above 10mA shall be incorporated in the fixed wiring according to the national rule.
- The appliance shall be installed in accordance with national wiring regulations.
- Be sure to locate the power wiring and the signal wrings well to avoid cross-disturbance.

Do not turn on the power until you have checked carefully after wiring.

The wiring connection please refers to chapter 8.

13. Accessories

13.1 Standard accessories

Accessory name	Qty.	Shape	Usage
Owner's & installation manual	1	/	Installation guide
Extended drain pan	1		Connect drain water from valve kit

13.2 Optional accessories

Accessory name	Qty.	Sharp	Usage
PCB control kit CE-FCUKZ-01	1		Electric control
Wired controller KJR-18B/E	1		Wired control

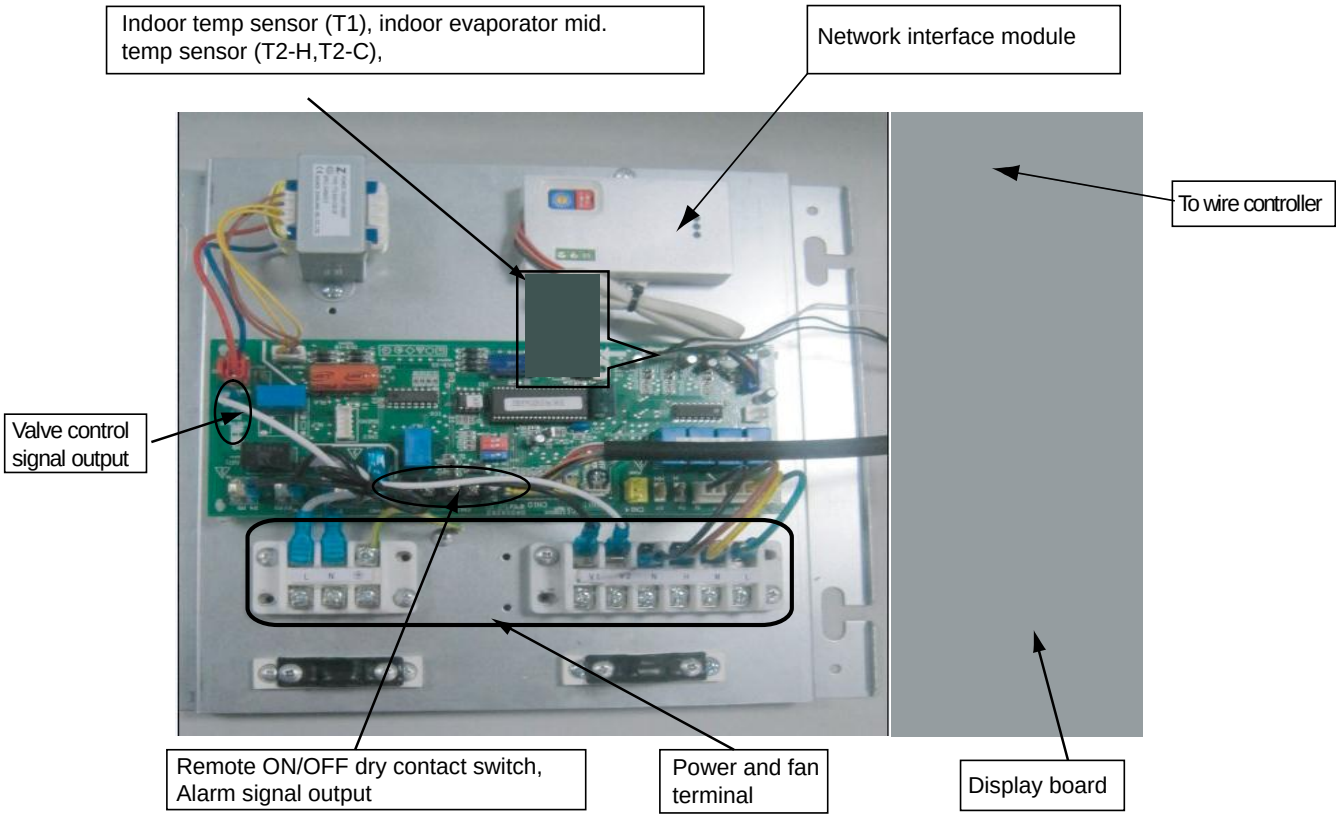
13.2.1 PCB control kit for FCU



1. Specifications

Model		CE-FCUKZ-01	CE-FCUKZ-02
Available appliance		2-pipe ducted FCU	4-pipe ducted FCU
Power supply		220-240V-1Ph-50Hz	
Operation range	Room temperature	17℃-30℃	
	Inlet water temperature	3℃-75℃	
Temperature controlling precision		±1℃	
Dimension (W×H×D)		310×76×290	
Packing Size (W×H×D)		384×174×359	

2. Internal View



Note: CE-FCUKZ-01 adopts one switch for three-way valve; CE-FCUKZ-02 adopts two switches.

When installing FCUKZ-02 should connect to the valve switch(Valve-H and Valve-C) and temp sensor (T2-H and T2-C), please refer to the wiring nameplate.

T1 is indoor temperature sensor, install to the air inlet of the indoor unit.

T2 is indoor evaporator mid temperature sensor

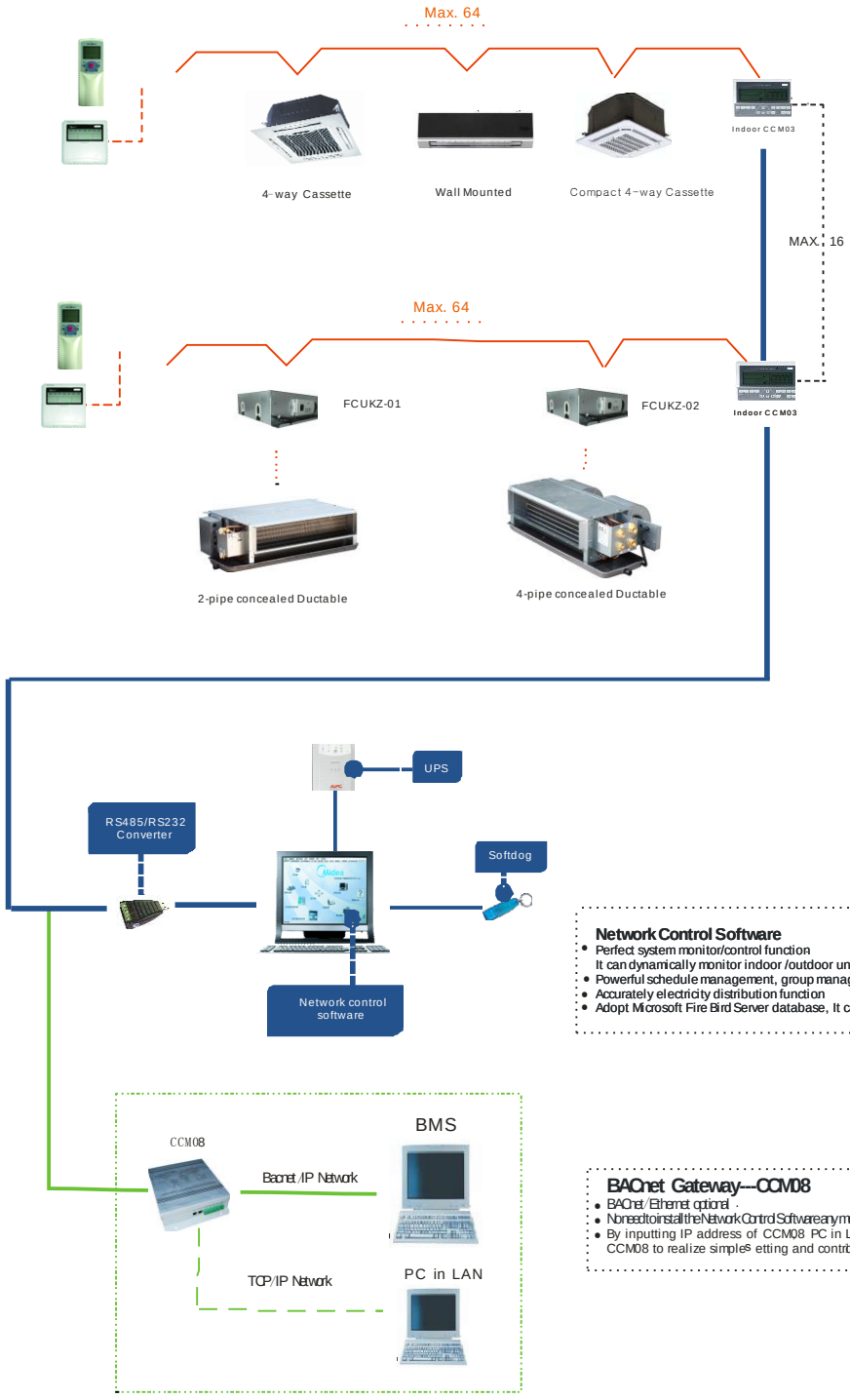
3. Main features

1. Suitable for 2-pope and 4-pipe ducted FCU which without electric heater.
2. Installation flexible, it can be installed attaching on the unit, mounting on the wall or hanging under the ceiling.
3. Maintenance convenient for its external installed.
4. Three fan speeds adjustment: high/medium/low.
5. Operating status can be displayed form lamp indicator.
6. Network Interface Module standard, compatible with the CCM control and PC based software control.

4. compatible control type

Model	Applicable appliance	Remote control	Wired control	Central control	PC based network control
CE-FCUKZ-01	2-pipe ducted FCU	√	√	√	√
CE-FCUKZ-02	4-pipe ducted FCU	√	√	√	√

5. Application of Network control & BMS control



Optional Wired Controller

KJR-90A-E

All basic function as the same as KJR-10B
Small size and Easy for installation
Exquisite appearance and LCD display function
Optional for all the indoor units

KJR-90A1-E

1) Only can select ON/OFF, Temp, Swing, and Timer
2) Avoid mode conflict
Other functions are the same with KJR-90A-E

KJR-10B

Optional for all the indoor units
Mode selection: Auto, Cool, Dry, Heat, Fan only
Temp. setting range: 17 ? to 30 ?
Daily Timer setting
Fan speed control: H/M/L/Auto
Louver swing

KJR-12B

Same function with KJR-10B
Add the follow me function

Optional Central Controller

KJR-90B/M-E

New design indoor unit central controller, simple on/off function
Max. 16 indoor units can be controlled
Switch modes between cooling and heating
Overall/mono-control the indoor units

CCM03

Indoor unit central controller
Max. 64 indoor units can be controlled
Automatically record all setting information when lose power
Clear & bright LCD display screen, background light, more parameters display
Emergency ON/OFF control with simple dry contact input

KJR-180A

New design indoor unit central controller, similar function with CCM03
Max. 16 indoor units can be controlled
Easier for installation in the wall, complete cabinet at the rear

CCM09

Indoor unit weekly timer central controller
7-days Weekly schedule setting (Maximum 128 weekly & daily schedules)
Max. 64 indoor units group control or individual setting
Clear and bright screen with LCD backlight
Wireless remote control restriction
Sleep and Silent mode
Mode lock
Permanent schedule setting storage

Network Control Software

- Perfect system monitor/control function
  It can dynamically monitor indoor /outdoor units operation condition
- Powerful schedule management, group management, uniform management
- Accurately electricity distribution function
- Adopt Microsoft Fire Bird Server database, It can output detailed data table

BACnet Gateway---CCM08

- BACnet/Ethernet optional
- No need to install the Network Control Software any more
- By inputting IP address of CCM08 PC in LAN could access CCM08 to realize simple setting and control ing of/A. C

13.2.2 Optional wired controller : KJR-18B/E



1. Models

KJR-18B/E is a thermostat that has developed into 4 types. Each type has its own features to suit different environment.

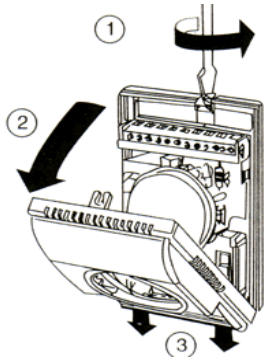
Models	Features
KJR-18B/E-A	Only control 3-speed fan, when the temperature reaches the set-point, it will close the Fan.
KJR-18B/E-B	Control motorized valve and 3-speed fan, when the temperature reaches the set-point, it will close the motorized valve and fan both
KJR-18B/E-C	Control motorized valve and 3-speed fan, when the temperature reaches the set-point, it will close the motorized valve with the fan still running
KJR-18B/E-D	Control 4 pipe fan coil units, control two motorized valves and 3-speed fan, when the temperature reaches the set-point, it will close the motorized valves with the fan still running.

2. Specifications

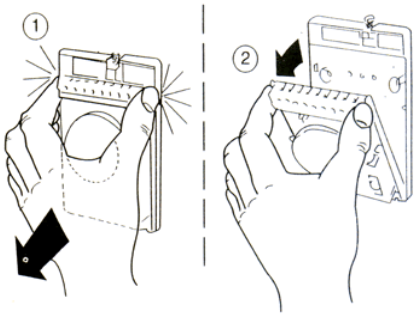
Model	KJR-18B/E
Available appliance	Ducted FCU without electrical heater
Power supply	AC220V±10%-1Ph-50/60Hz
Operating temperature	0~45℃
Operating Humidity	5~90%RH
Temperature controlling range	10~30℃
Temperature controlling precision	±1℃
Dimension (H×W×D)	130×85×43mm

3. Installation

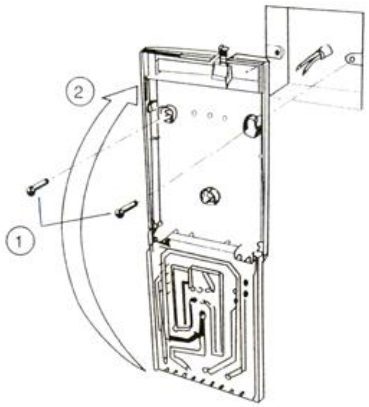
1) Dismantle the front panel



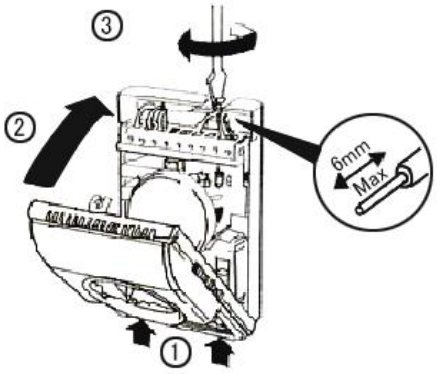
2) Dismantle te middle part



3) Install the back base

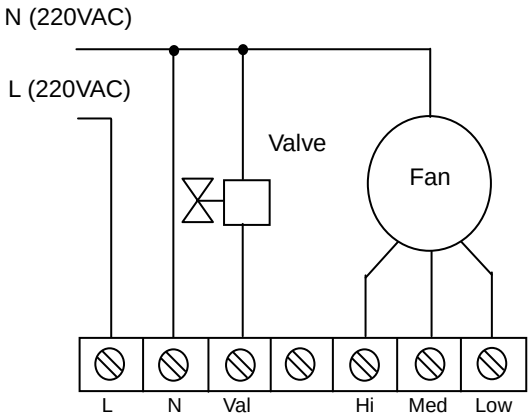


4) Wire Connection



Wiring diagrams :

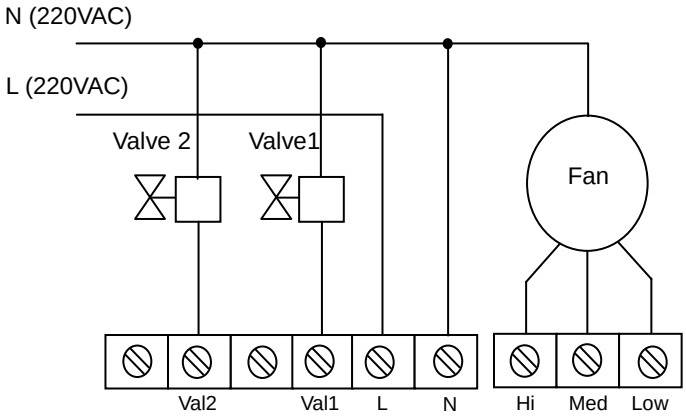
KJR-18B/E-A KJR-18B/E-B KJR-18B/E-C



2-wire NC valve system

(KJR-18B/E-A without Motorized Valve)

KJR-18B/E-D



Val1: For heating Val2: For cooling

2-wire NC valve system

Note: Please confirm the model and use corresponding wiring diagram above when you wire.