Библиотека СОК

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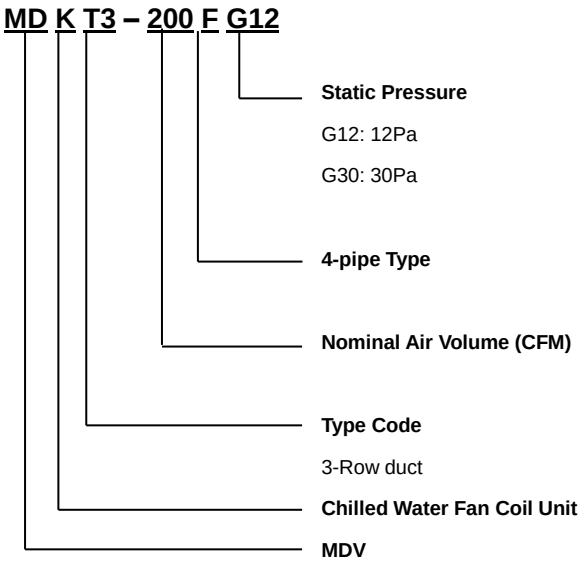
1. Introduction

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

MDV® 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.

For 50Pa models factory just changed the wiring connection for fan motor (based on the 50Pa models) High Speed switches to Super High Speed.
And change the model label. Other technical data 30 and 50Pa absolutely same.

2. Nomenclature



3. External Appearance

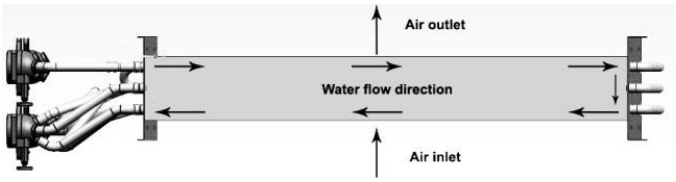


4. Product Schedule

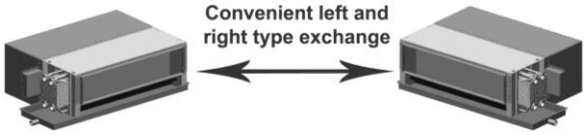
Model	Static pressure (Pa)	Air volume (CFM)	Power supply	Auxiliary Electrical Heater
MDKT3-200FG12	12	200	220~240V-1Ph-50Hz	Without
MDKT3-300FG12		300		
MDKT3-400FG12		400		
MDKT3-500FG12		500		
MDKT3-600FG12		600		
MDKT3-800FG12		800		
MDKT3-1000FG12		1000		
MDKT3-1200FG12		1200		
MDKT3-1400FG12		1400		
MDKT3-200FG30	30	200	220~240V-1Ph-50Hz	Without
MDKT3-300FG30		300		
MDKT3-400FG30		400		
MDKT3-500FG30		500		
MDKT3-600FG30		600		
MDKT3-800FG30		800		
MDKT3-1000FG30		1000		
MDKT3-1200FG30		1200		
MDKT3-1400FG30		1400		

5. Features

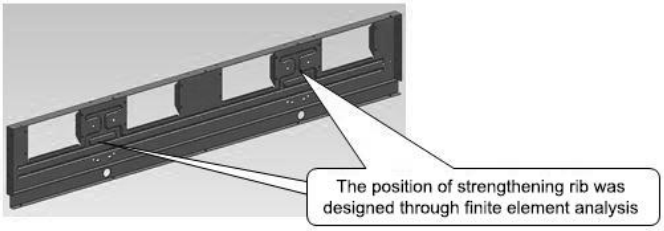
- Wider capacity range: 200~1400 CFM, adding1400CFM compared with the 2nd generation 4-pipe ducted type;
- Two external static pressure (12Pa/30Pa) settings for added flexibility , and 50Pa is customizable.
- Lower noise due to larger fin spacing added up to 2.2mm;
- Space saving, only 241 in height;
- Higher heat exchange efficiency for complete contranatant flow type;



- Symmetrical structural design. Pipe connection form left or right can be exchanged conveniently by exchanging fan ass'y and outflow flange for the symmetrical structural design;



- Optimized partition board through finite element analysis



6. Specifications

Model MDKT3-				200FG12	300FG12	400FG12	500FG12	600FG12
				200FG30	300FG30	400FG30	500FG30	600FG30
Air flow		H/M/L	m^3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
		H/M/L	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
External Static pressure			Pa	G12 models: 12; G30 models: 30				
Cooling	Capacity	H/M/L	kW	2/1.76/1.52	2.7/2.35/2.13	3.6/3.15/2.76	4.3/3.74/3.32	5/4.32/3.84
	Water flow rate	H	l/h	344	464	619	740	860
	Water pressure drop	H	kPa	7.6	14.4	8.2	9.5	17.2
Heating	Capacity	H/M/L	kW	3/2.64/2.22	4/3.48/3	5.2/4.47/3.9	5.7/5.02/4.33	7.2/6.19/5.33
	Water flow rate	H	l/h	258	344	447	490	619
	Water pressure drop	H	kPa	6.8	12.5	23.5	24.0	40.7
Power supply			V/Ph/Hz	220-240/1/50				
Power input	12Pa	H	W	33	53	66	87	100
	30Pa	H	W	49	64	75	96	114
Sound pressure level	12Pa	H/M/L	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32
	30Pa	H/M/L	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			1	2	2	2	2
Coil	Row			3				
	Max. working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body	Dimensions	W×H×D	mm	757×241×506	812×241×506	912×241×506	912×241×506	1135×241×506
	Packing	W×H×D	mm	806×265×558	871×265×558	971×265×558	971×265×558	1185×265×558
	Net weight		kg	17.5	20	22	22	25.5
	Gross weight		kg	19.5	22.5	24.5	24.5	28.5
Pipe connection	Water inlet/outlet pipe		Inch	Cold water: RC3/4 Hot water: RC3/4				
	Drain pipe		mm	ODΦ24				

Note:

1. H: high fan speed; M: medium fan speed; L: low fan speed
2. The data is based on 12Pa external static pressure for G12 models, 30Pa for G30 models.
3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB,19°CWB.
   Heating conditions: entering water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.
4. Noise is tested in semi-anechoic test room.
5. Hot water temperature cannot be ＞75°C.

Model MDKT3-				800FG12 800FG30	1000FG12 1000FG30	1200FG12 1200FG30	1400FG12 1400FG30
Air flow		H/M/L	m^3/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
		H/M/L	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
External Static pressure			Pa	G12 models: 12; G30 models: 30			
Cooling	Capacity	H/M/L	kW	6.8/5.78/5.11	7.8/6.74/5.88	10.2/8.89/7.85	11.5/9.9/8.86
	Water flow rate	H	l/h	1170	1342	1754	1978
	Water pressure drop	H	kPa	18.8	30.0	40.3	51.9
Heating	Capacity	H/M/L	kW	9.6/8.45/7.2	10.8/9.61/8.1	13.5/12.15/10.26	15.5/13.48/11.78
	Water flow rate	H	l/h	826	929	1161	1333
	Water pressure drop	H	kPa	20.7	34.7	28.6	55.2
Power supply			V/Ph/Hz	220-240/1/50			
Power input	12Pa	H	W	145	180	210	222
	30Pa	H	W	154	193	230	278
Sound pressure level	12Pa	H/M/L	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38
	30Pa	H/M/L	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			2	2	2	2
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			4	4	4	4
Coil	Row			3			
	Max. working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1435×241×506	1540×241×506	1830×241×506	1992×241×506
	Packing	W×H×D	mm	1485×265×558	1590×265×558	1880×265×558	2046×265×558
	Net weight		kg	34.5	40	45	48.5
	Gross weight		kg	38	43.5	49	53.5
Pipe connection	Water inlet/outlet pipe		Inch	Cold water: RC3/4 Hot water: RC3/4			
	Drain pipe		mm	ODΦ24			

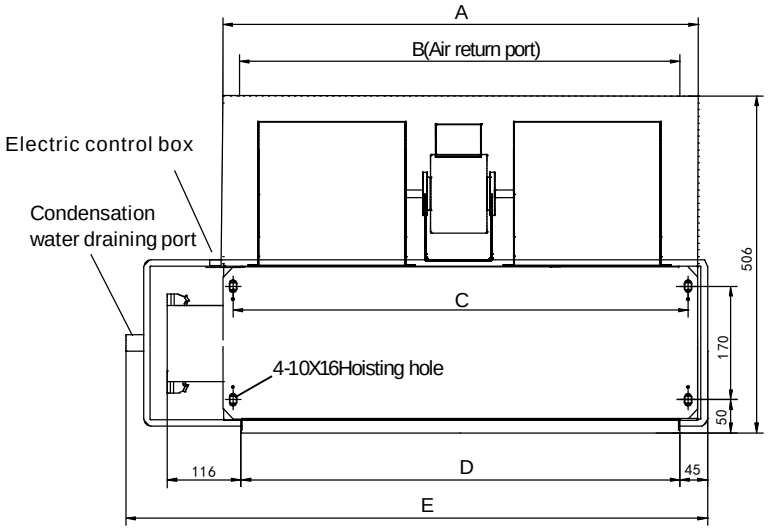
Note:

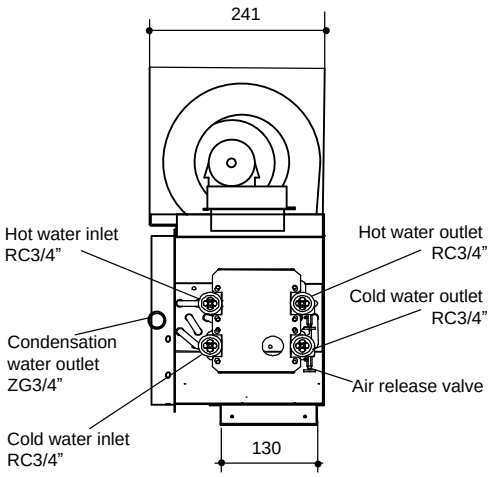
1. H: high fan speed; M: medium fan speed; L: low fan speed
2. The data is based on 12Pa external static pressure for G12 models, 30Pa for G30 models.
3. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB,19°CWB.

Heating conditions: entering water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.

4. Noise is tested in semi-anechoic test room.
5. Hot water temperature cannot be ＞75°C.

7. Dimension





Model / Size	200-Model	300-Model	400-Model 500-Model	600-Model	800-Model	1000-Model	1200-Model	1400-Model
A	547	647	747	967	1267	1372	1662	1828
B	513	613	713	933	1233	1338	1628	1794
C	485	585	685	905	1205	1310	1600	1766
D	757	812	912	1135	1435	1540	1830	1992

Unit: mm

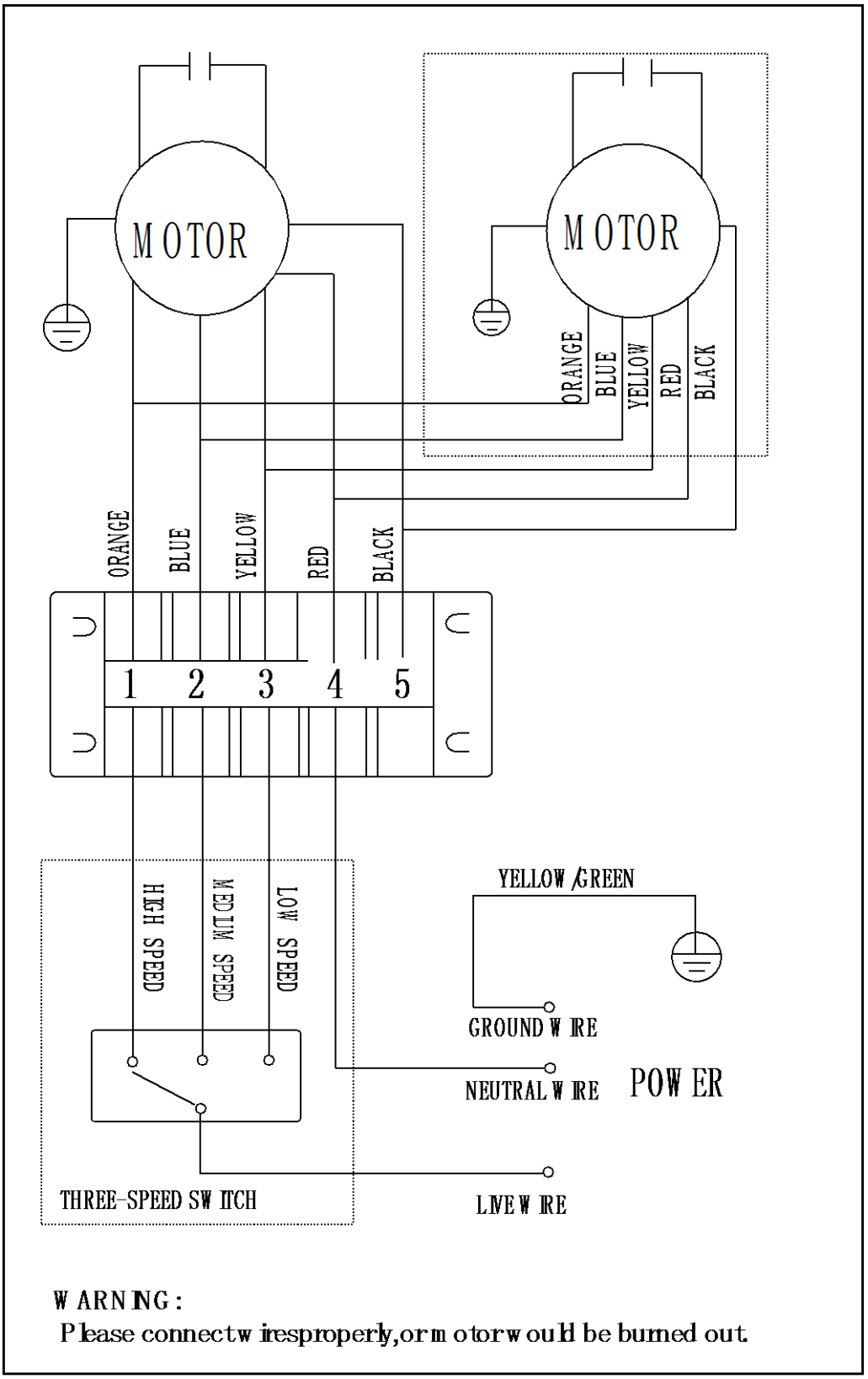
Note:

The above figure is only an instance, which would be different from the one that you purchase.

Units with air return plenum is standard, units without air return plenum can be customized.

8. Wiring Diagrams

8.1 Wiring Diagrams for: MDKT3-200G12; MDKT3-300G12; MDKT3-400G12; MDKT3-500G12; MDKT3-600G12; MDKT3-800G12; MDKT3-1000G12; MDKT3-1200G12; MDKT3-1400G12;

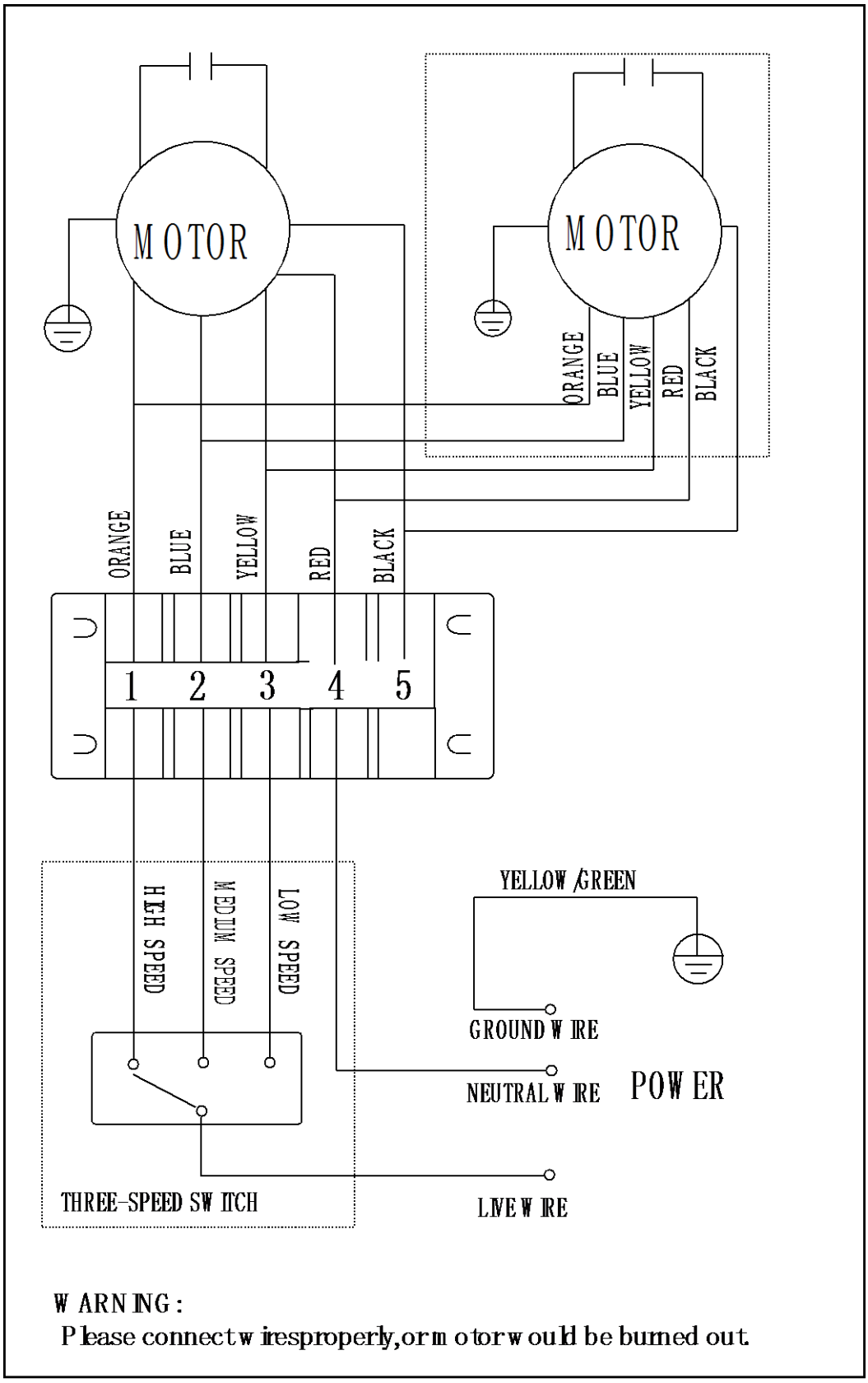


Note:

Black: supper high fan speed; Orange: high fan speed; Blue: medium fan speed; Yellow: low fan speed.

Terminal 5 connects with reserved fan speed.

8.3 Wiring Diagrams for: MDKT3-200G30; MDKT3-300G30; MDKT3-400G30; MDKT3-500G30; MDKT3-600G30; MDKT3-800G30; MDKT3-1000G30; MDKT3-1200G30; MDKT3-1400G30



Note:

Black: supper high fan speed; Orange: high fan speed; Blue: medium fan speed; Yellow: low fan speed.

Terminal 5 connects with reserved fan speed.

9. Capacity Tables

Cooling Capacity:

Remark: **EWT:** Enter Water Temp. (℃); **Δ t:** 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)

MDKT3-200FG12(30)																							
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	1.65	1.20	0.47	14.4	2.55	1.54	0.73	34.3	2.50	1.60	0.72	32.9	2.79	1.46	0.80	41.0	3.75	1.82	1.08	74.3
	4	1.56	1.13	0.33	7.2	2.45	1.49	0.53	17.8	2.41	1.56	0.52	17.2	2.68	1.41	0.58	21.3	3.64	1.76	0.78	39.3
	5	1.44	1.09	0.25	3.9	2.34	1.44	0.40	10.4	2.30	1.51	0.40	10.0	2.57	2.23	0.44	12.6	3.52	1.73	0.61	23.6
	6	1.31	1.04	0.19	2.3	2.24	1.40	0.32	6.6	2.20	1.45	0.31	6.4	2.46	1.31	0.35	8.0	3.43	1.67	0.49	15.6
	7	1.18	0.97	0.14	1.3	2.13	1.33	0.26	4.4	2.08	1.41	0.26	4.2	2.36	1.26	0.29	5.4	3.32	1.62	0.41	10.7
6	3	1.49	1.13	0.43	11.8	2.40	1.47	0.69	30.5	2.35	1.54	0.67	29.1	2.65	1.40	0.76	37.0	3.61	1.76	1.03	68.7
	4	1.39	1.08	0.30	5.7	2.31	1.42	0.50	15.8	2.25	1.49	0.48	15.1	2.54	1.35	0.55	19.1	3.49	1.70	0.75	36.2
	5	1.28	1.03	0.22	3.1	2.20	1.37	0.38	9.2	2.15	1.44	0.37	8.8	2.44	1.30	0.42	11.3	3.38	1.65	0.58	21.7
	6	1.15	0.98	0.17	1.7	2.09	1.33	0.30	5.8	2.04	1.39	0.29	5.5	2.32	1.24	0.33	7.1	3.29	1.59	0.47	14.3
	7	1.01	0.91	0.12	1.0	1.98	1.27	0.24	3.8	1.93	1.35	0.24	3.6	2.21	1.19	0.27	4.7	3.17	1.56	0.39	9.8
7	3	1.34	1.06	0.38	9.4	2.25	1.40	0.64	26.6	2.20	1.47	0.63	25.5	2.49	1.33	0.71	32.7	3.43	1.67	0.98	62.2
	4	1.23	1.02	0.26	4.5	2.15	1.35	0.46	13.8	2.10	1.43	0.45	13.0	2.39	1.28	0.51	17.0	3.35	1.65	0.72	33.3
	5	1.11	0.97	0.19	2.3	2.04	1.30	0.35	7.9	2	1.38	0.34	7.6	2.28	1.23	0.39	9.9	3.23	1.59	0.56	19.9
	6	0.98	0.92	0.14	1.3	1.94	1.27	0.28	4.9	1.90	1.33	0.27	4.8	2.17	1.18	0.31	6.2	3.15	1.53	0.45	13.1
	7	0.85	0.85	0.10	0.7	1.83	1.21	0.23	3.3	1.77	1.29	0.22	3.0	2.06	1.13	0.25	4.1	3.03	1.47	0.37	8.9
8	3	1.17	1.01	0.34	7.2	2.09	1.34	0.60	23.1	2.04	1.41	0.59	22.0	2.34	1.26	0.67	28.9	3.29	1.62	0.94	57.1
	4	1.06	0.98	0.23	3.3	2.00	1.30	0.43	11.9	1.94	1.37	0.42	11.2	2.23	1.22	0.48	14.7	3.17	1.56	0.68	29.9
	5	0.94	0.91	0.16	1.7	1.90	1.24	0.33	6.9	1.84	1.32	0.32	6.4	2.13	1.17	0.37	8.6	3.09	1.50	0.53	18.1
	6	0.84	0.84	0.12	0.9	1.77	1.20	0.25	4.2	1.74	1.27	0.25	4.0	2.03	1.11	0.29	5.4	2.97	1.47	0.43	11.7
	7	0.73	0.73	0.09	0.5	1.67	1.15	0.21	2.7	1.62	1.23	0.20	2.5	1.90	1.07	0.23	3.5	2.87	1.42	0.35	8.0
9	3	1.00	0.95	0.29	5.3	1.95	1.28	0.56	20.0	1.89	1.34	0.54	18.9	2.18	1.19	0.63	25.2	3.15	1.56	0.90	52.2
	4	0.91	0.91	0.20	2.5	1.84	1.24	0.39	10.0	1.78	1.30	0.38	9.4	2.07	1.15	0.45	12.7	3.03	1.50	0.65	27.3
	5	0.84	0.81	0.14	1.3	1.74	1.18	0.30	5.7	1.68	1.26	0.29	5.4	1.97	1.10	0.34	7.4	2.94	1.44	0.51	16.5
	6	0.74	0.74	0.11	0.7	1.62	1.14	0.23	3.5	1.56	1.22	0.22	3.2	1.87	1.05	0.27	4.6	2.82	1.41	0.40	10.5
	7	0.60	0.60	0.07	0.3	1.50	1.09	0.18	2.2	1.45	1.17	0.18	2.0	1.74	1.00	0.21	2.9	2.72	1.36	0.33	7.2
10	3	0.88	0.88	0.25	4.1	1.78	1.22	0.51	16.8	1.71	1.30	0.49	15.5	2.03	1.13	0.58	21.8	3.00	1.47	0.86	47.5
	4	0.81	0.81	0.17	2.0	1.67	1.17	0.36	8.3	1.62	1.25	0.35	7.8	1.91	1.09	0.41	10.9	2.88	1.44	0.62	24.6
	5	0.72	0.72	0.12	1.0	1.56	1.13	0.27	4.6	1.50	1.21	0.26	4.3	1.81	1.04	0.31	6.2	2.79	1.39	0.48	14.8
	6	0.62	0.62	0.09	0.5	1.46	1.08	0.21	2.8	1.39	1.17	0.20	2.6	1.69	0.99	0.24	3.8	2.67	1.35	0.38	9.4
	7	0.40	0.40	0.05	0.2	1.33	1.04	0.16	1.7	1.27	1.12	0.16	1.6	1.58	0.94	0.19	2.4	2.55	1.30	0.31	6.3
11	3	0.78	0.78	0.22	3.2	1.61	1.16	0.46	13.7	1.55	1.24	0.45	12.7	1.87	1.07	0.54	18.4	2.83	1.42	0.81	42.3
	4	0.71	0.71	0.15	1.5	1.51	1.12	0.32	6.8	1.45	1.19	0.31	6.2	1.76	1.03	0.38	9.2	2.72	1.38	0.58	21.9
	5	0.62	0.62	0.11	0.7	1.39	1.08	0.24	3.7	1.33	1.16	0.23	3.4	1.65	0.98	0.28	5.2	2.63	1.33	0.45	13.1
	6	0.49	0.49	0.07	0.3	1.27	1.03	0.18	2.1	1.22	1.11	0.17	2.0	1.53	0.93	0.22	3.1	2.51	1.30	0.36	8.3
	7	0.33	0.33	0.04	0.1	1.13	1.00	0.14	1.2	1.09	1.09	0.13	1.2	1.41	0.87	0.17	1.9	2.39	1.24	0.29	5.5
12	3	0.69	0.69	0.20	2.5	1.44	1.11	0.41	10.9	1.37	1.19	0.39	9.9	1.70	1.01	0.49	15.2	2.67	1.36	0.77	37.7
	4	0.61	0.61	0.13	1.1	1.33	1.07	0.29	5.3	1.27	1.15	0.27	4.8	1.60	0.97	0.34	7.6	2.56	1.32	0.55	19.5
	5	0.52	0.52	0.09	0.5	1.22	1.03	0.21	2.8	1.15	1.11	0.20	2.5	1.48	0.92	0.25	4.2	2.46	1.27	0.42	11.5
	6	0.31	0.31	0.05	0.1	1.08	1.00	0.16	1.5	1.07	1.05	0.15	1.5	1.36	0.87	0.19	2.4	2.34	1.24	0.34	7.2
	7	0.26	0.26	0.03	0.1	0.96	0.96	0.12	0.9	0.99	0.99	0.12	0.9	1.23	0.82	0.15	1.5	2.23	1.19	0.27	4.8
13	3	0.59	0.59	0.17	1.8	1.26	1.06	0.36	8.4	1.19	1.15	0.34	7.4	1.53	0.96	0.44	12.3	2.50	1.31	0.72	33.0
	4	0.51	0.51	0.11	0.8	1.15	1.02	0.25	3.9	1.11	1.09	0.24	3.7	1.42	0.91	0.31	6.0	2.40	1.26	0.52	17.0
	5	0.36	0.36	0.06	0.3	1.03	1.00	0.18	2.0	1.04	1.04	0.18	2.1	1.31	0.87	0.22	3.2	2.29	1.21	0.39	10.0
	6	0.24	0.24	0.03	0.1	0.94	0.94	0.13	1.2	0.97	0.97	0.14	1.2	1.18	0.82	0.17	1.8	2.17	1.18	0.31	6.2
	7	0.18	0.18	0.02	0.0	0.85	0.85	0.10	0.7	0.89	0.89	0.11	0.8	1.03	0.77	0.13	1.0	2.06	1.13	0.25	4.1

MDKT3-300FG12(G30)																					
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	2.23	1.62	0.64	27.3	3.44	2.07	0.99	64.9	3.37	2.16	0.97	62.3	3.76	1.98	1.08	77.7	5.06	2.45	1.45	140.8
	4	2.10	1.53	0.45	13.6	3.31	2.01	0.71	33.8	3.25	2.10	0.70	32.7	3.62	1.91	0.78	40.3	4.91	2.38	1.06	74.4
	5	1.94	1.46	0.33	7.4	3.16	1.94	0.54	19.8	3.10	2.03	0.53	19.0	3.48	3.00	0.60	23.9	4.75	2.34	0.82	44.6
	6	1.77	1.40	0.25	4.3	3.02	1.89	0.43	12.5	2.96	1.96	0.42	12.1	3.32	1.77	0.48	15.2	4.64	2.26	0.66	29.5
	7	1.59	1.31	0.20	2.5	2.88	1.80	0.35	8.3	2.81	1.90	0.35	8.0	3.18	1.70	0.39	10.2	4.48	2.18	0.55	20.2
6	3	2.02	1.53	0.58	22.3	3.25	1.99	0.93	57.8	3.17	2.08	0.91	55.2	3.57	1.89	1.02	70.0	4.87	2.38	1.40	130.1
	4	1.87	1.45	0.40	10.8	3.12	1.92	0.67	30.0	3.04	2.01	0.65	28.6	3.43	1.82	0.74	36.3	4.71	2.30	1.01	68.6
	5	1.73	1.39	0.30	5.9	2.96	1.85	0.51	17.4	2.91	1.95	0.50	16.7	3.29	1.75	0.57	21.4	4.56	2.22	0.78	41.0
	6	1.55	1.32	0.22	3.3	2.82	1.80	0.40	10.9	2.76	1.87	0.40	10.4	3.13	1.68	0.45	13.4	4.44	2.14	0.64	27.1
	7	1.37	1.23	0.17	1.9	2.68	1.71	0.33	7.2	2.61	1.82	0.32	6.9	2.99	1.61	0.37	9.0	4.29	2.10	0.53	18.5
7	3	1.80	1.43	0.52	17.9	3.03	1.89	0.87	50.4	2.96	1.99	0.85	48.2	3.36	1.79	0.96	62.0	4.64	2.26	1.33	117.9
	4	1.66	1.38	0.36	8.5	2.91	1.83	0.62	26.1	2.83	1.92	0.61	24.7	3.23	1.73	0.69	32.2	4.52	2.22	0.97	63.0
	5	1.50	1.31	0.26	4.4	2.76	1.76	0.47	15.0	2.7	1.86	0.46	14.4	3.07	1.66	0.53	18.7	4.36	2.14	0.75	37.6
	6	1.32	1.25	0.19	2.4	2.61	1.71	0.37	9.4	2.57	1.79	0.37	9.0	2.93	1.59	0.42	11.8	4.25	2.06	0.61	24.7
	7	1.14	1.14	0.14	1.3	2.47	1.63	0.30	6.2	2.39	1.74	0.29	5.8	2.78	1.52	0.34	7.8	4.09	1.99	0.50	16.9
8	3	1.58	1.36	0.45	13.7	2.82	1.81	0.81	43.8	2.76	1.90	0.79	41.8	3.16	1.69	0.91	54.8	4.44	2.18	1.27	108.2
	4	1.43	1.32	0.31	6.3	2.70	1.75	0.58	22.5	2.62	1.85	0.56	21.2	3.01	1.64	0.65	27.9	4.29	2.10	0.92	56.7
	5	1.26	1.24	0.22	3.1	2.56	1.68	0.44	13.0	2.49	1.78	0.43	12.2	2.88	1.58	0.50	16.4	4.17	2.03	0.72	34.3
	6	1.13	1.13	0.16	1.8	2.40	1.62	0.34	7.9	2.35	1.71	0.34	7.6	2.74	1.50	0.39	10.3	4.01	1.99	0.58	22.1
	7	0.99	0.99	0.12	1.0	2.26	1.55	0.28	5.1	2.19	1.66	0.27	4.8	2.56	1.44	0.31	6.6	3.87	1.91	0.48	15.1
9	3	1.35	1.28	0.39	10.0	2.63	1.73	0.75	37.8	2.55	1.82	0.73	35.7	2.95	1.61	0.85	47.7	4.25	2.10	1.22	99.0
	4	1.23	1.23	0.26	4.6	2.48	1.67	0.53	19.0	2.40	1.76	0.52	17.8	2.80	1.55	0.60	24.2	4.09	2.03	0.88	51.7
	5	1.13	1.10	0.20	2.5	2.35	1.60	0.40	10.9	2.27	1.70	0.39	10.2	2.66	1.48	0.46	14.0	3.97	1.95	0.68	31.2
	6	0.99	0.99	0.14	1.4	2.19	1.54	0.31	6.6	2.11	1.65	0.30	6.1	2.52	1.41	0.36	8.7	3.81	1.91	0.55	19.9
	7	0.81	0.81	0.10	0.7	2.03	1.46	0.25	4.1	1.96	1.57	0.24	3.9	2.35	1.35	0.29	5.5	3.68	1.84	0.45	13.6
10	3	1.19	1.19	0.34	7.8	2.41	1.64	0.69	31.8	2.31	1.75	0.66	29.3	2.74	1.53	0.79	41.3	4.05	1.99	1.16	90.1
	4	1.09	1.09	0.24	3.7	2.26	1.58	0.49	15.8	2.18	1.69	0.47	14.7	2.58	1.47	0.56	20.6	3.88	1.95	0.84	46.6
	5	0.98	0.98	0.17	1.9	2.11	1.53	0.36	8.8	2.02	1.64	0.35	8.1	2.45	1.40	0.42	11.8	3.76	1.88	0.65	28.0
	6	0.84	0.84	0.12	1.0	1.97	1.46	0.28	5.3	1.88	1.57	0.27	4.8	2.29	1.33	0.33	7.2	3.60	1.83	0.52	17.8
	7	0.53	0.53	0.07	0.3	1.80	1.40	0.22	3.3	1.71	1.52	0.21	2.9	2.14	1.27	0.26	4.6	3.44	1.75	0.42	11.9
11	3	1.05	1.05	0.30	6.1	2.17	1.57	0.62	25.9	2.10	1.67	0.60	24.1	2.52	1.45	0.72	34.9	3.82	1.91	1.10	80.2
	4	0.96	0.96	0.21	2.9	2.04	1.51	0.44	12.8	1.96	1.61	0.42	11.8	2.38	1.39	0.51	17.5	3.67	1.86	0.79	41.5
	5	0.83	0.83	0.14	1.4	1.88	1.45	0.32	7.0	1.80	1.57	0.31	6.4	2.22	1.32	0.38	9.8	3.55	1.80	0.61	24.9
	6	0.66	0.66	0.09	0.6	1.71	1.39	0.25	4.0	1.65	1.50	0.24	3.7	2.06	1.25	0.30	5.8	3.39	1.75	0.49	15.7
	7	0.45	0.45	0.06	0.2	1.53	1.34	0.19	2.4	1.47	1.47	0.18	2.2	1.90	1.18	0.23	3.6	3.23	1.68	0.40	10.5
12	3	0.93	0.93	0.27	4.7	1.94	1.49	0.56	20.7	1.85	1.61	0.53	18.8	2.29	1.37	0.66	28.8	3.61	1.84	1.03	71.4
	4	0.82	0.82	0.18	2.1	1.80	1.44	0.39	10.0	1.71	1.55	0.37	9.0	2.15	1.31	0.46	14.3	3.46	1.78	0.74	36.9
	5	0.71	0.71	0.12	1.0	1.64	1.39	0.28	5.3	1.56	1.50	0.27	4.8	2.00	1.25	0.34	7.9	3.32	1.71	0.57	21.8
	6	0.42	0.42	0.06	0.2	1.46	1.34	0.21	2.9	1.45	1.42	0.21	2.9	1.83	1.18	0.26	4.6	3.16	1.67	0.45	13.7
	7	0.35	0.35	0.04	0.1	1.29	1.29	0.16	1.7	1.33	1.33	0.16	1.8	1.66	1.11	0.20	2.8	3.01	1.60	0.37	9.1
13	3	0.80	0.80	0.23	3.5	1.70	1.43	0.49	15.8	1.60	1.55	0.46	14.1	2.06	1.29	0.59	23.4	3.38	1.76	0.97	62.6
	4	0.68	0.68	0.15	1.4	1.55	1.37	0.33	7.5	1.50	1.47	0.32	6.9	1.92	1.23	0.41	11.3	3.23	1.70	0.70	32.3
	5	0.49	0.49	0.08	0.5	1.39	1.36	0.24	3.8	1.40	1.40	0.24	3.9	1.76	1.17	0.30	6.2	3.09	1.63	0.53	18.9
	6	0.33	0.33	0.05	0.1	1.26	1.26	0.18	2.2	1.31	1.31	0.19	2.3	1.59	1.11	0.23	3.5	2.93	1.59	0.42	11.8
	7	0.24	0.24	0.03	0.1	1.15	1.15	0.14	1.3	1.20	1.20	0.15	1.5	1.39	1.04	0.17	2.0	2.78	1.52	0.34	7.8

MDKT3-400FG12(G30)

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	2.98	2.16	0.85	15.6	4.59	2.76	1.31	37.0	4.49	2.88	1.29	35.5	5.02	2.63	1.44	44.3	6.75	3.27	1.94	80.2
	4	2.80	2.04	0.60	7.8	4.41	2.68	0.95	19.2	4.34	2.80	0.93	18.6	4.82	2.55	1.04	23.0	6.55	3.17	1.41	42.4
	5	2.59	1.95	0.44	4.2	4.22	2.59	0.73	11.3	4.14	2.71	0.71	10.8	4.63	4.01	0.80	13.6	6.34	3.12	1.09	25.4
	6	2.36	1.87	0.34	2.5	4.03	2.51	0.58	7.1	3.95	2.62	0.57	6.9	4.43	2.36	0.64	8.6	6.18	3.01	0.89	16.8
	7	2.12	1.75	0.26	1.5	3.83	2.39	0.47	4.7	3.75	2.53	0.46	4.5	4.24	2.26	0.52	5.8	5.97	2.91	0.73	11.5
6	3	2.69	2.04	0.77	12.7	4.33	2.65	1.24	32.9	4.23	2.77	1.21	31.4	4.76	2.51	1.37	39.9	6.49	3.17	1.86	74.1
	4	2.50	1.94	0.54	6.2	4.16	2.56	0.89	17.1	4.06	2.68	0.87	16.3	4.57	2.43	0.98	20.7	6.29	3.06	1.35	39.1
	5	2.31	1.85	0.40	3.4	3.95	2.47	0.68	9.9	3.88	2.60	0.67	9.5	4.39	2.34	0.76	12.2	6.08	2.96	1.05	23.4
	6	2.07	1.77	0.30	1.9	3.77	2.39	0.54	6.2	3.68	2.50	0.53	5.9	4.17	2.23	0.60	7.6	5.92	2.86	0.85	15.4
	7	1.82	1.64	0.22	1.1	3.57	2.29	0.44	4.1	3.48	2.43	0.43	3.9	3.98	2.14	0.49	5.1	5.71	2.81	0.70	10.5
7	3	2.41	1.91	0.69	10.2	4.04	2.52	1.16	28.7	3.95	2.65	1.13	27.5	4.48	2.39	1.29	35.3	6.18	3.01	1.77	67.2
	4	2.21	1.84	0.47	4.8	3.88	2.44	0.83	14.8	3.77	2.57	0.81	14.1	4.31	2.31	0.93	18.3	6.03	2.96	1.30	35.9
	5	1.99	1.75	0.34	2.5	3.68	2.35	0.63	8.6	3.6	2.48	0.62	8.2	4.10	2.22	0.70	10.6	5.82	2.86	1.00	21.4
	6	1.76	1.66	0.25	1.4	3.49	2.28	0.50	5.3	3.42	2.39	0.49	5.1	3.91	2.12	0.56	6.7	5.66	2.75	0.81	14.1
	7	1.52	1.52	0.19	0.7	3.30	2.18	0.41	3.5	3.19	2.32	0.39	3.3	3.70	2.03	0.46	4.4	5.45	2.65	0.67	9.6
8	3	2.11	1.81	0.60	7.8	3.77	2.42	1.08	24.9	3.68	2.53	1.05	23.8	4.21	2.26	1.21	31.2	5.92	2.91	1.70	61.6
	4	1.90	1.76	0.41	3.6	3.60	2.33	0.77	12.8	3.49	2.47	0.75	12.0	4.01	2.19	0.86	15.9	5.71	2.81	1.23	32.3
	5	1.68	1.65	0.29	1.8	3.42	2.23	0.59	7.4	3.31	2.37	0.57	7.0	3.84	2.10	0.66	9.3	5.56	2.70	0.96	19.5
	6	1.51	1.51	0.22	1.0	3.19	2.17	0.46	4.5	3.13	2.29	0.45	4.3	3.65	2.01	0.52	5.8	5.35	2.65	0.77	12.6
	7	1.32	1.32	0.16	0.6	3.01	2.07	0.37	2.9	2.91	2.21	0.36	2.7	3.41	1.92	0.42	3.8	5.16	2.55	0.63	8.6
9	3	1.80	1.71	0.52	5.7	3.50	2.31	1.00	21.5	3.40	2.42	0.98	20.3	3.93	2.15	1.13	27.2	5.66	2.81	1.62	56.4
	4	1.64	1.64	0.35	2.6	3.30	2.22	0.71	10.8	3.21	2.35	0.69	10.2	3.73	2.07	0.80	13.8	5.45	2.70	1.17	29.4
	5	1.51	1.46	0.26	1.4	3.13	2.13	0.54	6.2	3.03	2.27	0.52	5.8	3.55	1.98	0.61	8.0	5.30	2.60	0.91	17.8
	6	1.32	1.32	0.19	0.8	2.92	2.05	0.42	3.7	2.82	2.20	0.40	3.5	3.36	1.89	0.48	5.0	5.08	2.54	0.73	11.3
	7	1.08	1.08	0.13	0.4	2.70	1.95	0.33	2.4	2.61	2.10	0.32	2.2	3.13	1.80	0.38	3.2	4.90	2.45	0.60	7.8
10	3	1.59	1.59	0.46	4.4	3.21	2.19	0.92	18.1	3.08	2.33	0.88	16.7	3.66	2.04	1.05	23.5	5.40	2.65	1.55	51.3
	4	1.46	1.46	0.31	2.1	3.01	2.10	0.65	9.0	2.91	2.25	0.63	8.4	3.44	1.96	0.74	11.7	5.18	2.60	1.11	26.5
	5	1.30	1.30	0.22	1.1	2.82	2.04	0.48	5.0	2.70	2.18	0.46	4.6	3.26	1.87	0.56	6.7	5.02	2.50	0.86	15.9
	6	1.12	1.12	0.16	0.5	2.62	1.95	0.38	3.0	2.50	2.10	0.36	2.8	3.05	1.78	0.44	4.1	4.80	2.44	0.69	10.1
	7	0.71	0.71	0.09	0.2	2.39	1.86	0.29	1.9	2.28	2.02	0.28	1.7	2.85	1.69	0.35	2.6	4.59	2.34	0.56	6.8
11	3	1.40	1.40	0.40	3.5	2.90	2.09	0.83	14.8	2.79	2.22	0.80	13.7	3.36	1.93	0.96	19.9	5.10	2.55	1.46	45.6
	4	1.28	1.28	0.28	1.6	2.72	2.02	0.58	7.3	2.61	2.14	0.56	6.7	3.17	1.85	0.68	10.0	4.89	2.48	1.05	23.6
	5	1.11	1.11	0.19	0.8	2.51	1.94	0.43	4.0	2.39	2.09	0.41	3.6	2.97	1.76	0.51	5.6	4.73	2.39	0.81	14.2
	6	0.88	0.88	0.13	0.3	2.29	1.86	0.33	2.3	2.20	1.99	0.31	2.1	2.75	1.67	0.39	3.3	4.51	2.33	0.65	9.0
	7	0.60	0.60	0.07	0.1	2.04	1.79	0.25	1.3	1.96	1.96	0.24	1.2	2.54	1.57	0.31	2.1	4.31	2.23	0.53	6.0
12	3	1.24	1.24	0.35	2.7	2.59	1.99	0.74	11.8	2.47	2.15	0.71	10.7	3.05	1.82	0.88	16.4	4.81	2.45	1.38	40.7
	4	1.09	1.09	0.23	1.2	2.40	1.92	0.52	5.7	2.28	2.07	0.49	5.1	2.87	1.74	0.62	8.2	4.61	2.37	0.99	21.0
	5	0.94	0.94	0.16	0.6	2.19	1.85	0.38	3.0	2.08	2.01	0.36	2.7	2.66	1.66	0.46	4.5	4.43	2.29	0.76	12.4
	6	0.57	0.57	0.08	0.1	1.95	1.79	0.28	1.7	1.93	1.89	0.28	1.6	2.44	1.57	0.35	2.6	4.22	2.22	0.60	7.8
	7	0.47	0.47	0.06	0.1	1.72	1.72	0.21	1.0	1.78	1.78	0.22	1.0	2.22	1.48	0.27	1.6	4.01	2.14	0.49	5.2
13	3	1.06	1.06	0.31	2.0	2.26	1.90	0.65	9.0	2.14	2.06	0.61	8.0	2.75	1.72	0.79	13.3	4.50	2.35	1.29	35.7
	4	0.91	0.91	0.20	0.8	2.07	1.83	0.45	4.2	2.00	1.96	0.43	4.0	2.56	1.64	0.55	6.5	4.31	2.26	0.93	18.4
	5	0.65	0.65	0.11	0.3	1.85	1.81	0.32	2.2	1.87	1.87	0.32	2.2	2.35	1.56	0.40	3.5	4.12	2.18	0.71	10.7
	6	0.44	0.44	0.06	0.1	1.68	1.68	0.24	1.2	1.74	1.74	0.25	1.3	2.12	1.48	0.30	2.0	3.91	2.12	0.56	6.7
	7	0.32	0.32	0.04	0.0	1.54	1.54	0.19	0.8	1.60	1.60	0.20	0.8	1.86	1.39	0.23	1.1	3.70	2.03	0.46	4.4

MDKT3-500FG12(G30)																					
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	3.56	2.58	1.02	18.0	5.48	3.30	1.57	42.8	5.37	3.44	1.54	41.1	5.99	3.15	1.72	51.3	8.07	3.91	2.31	92.9
	4	3.34	2.44	0.72	9.0	5.27	3.20	1.13	22.3	5.18	3.34	1.11	21.6	5.76	3.04	1.24	26.6	7.82	3.78	1.68	49.1
	5	3.09	2.33	0.53	4.9	5.04	3.09	0.87	13.0	4.94	3.24	0.85	12.5	5.53	4.78	0.95	15.7	7.57	3.72	1.30	29.4
	6	2.82	2.23	0.40	2.8	4.82	3.00	0.69	8.3	4.72	3.13	0.68	8.0	5.29	2.82	0.76	10.0	7.38	3.60	1.06	19.5
	7	2.53	2.09	0.31	1.7	4.58	2.86	0.56	5.5	4.47	3.02	0.55	5.2	5.07	2.71	0.62	6.7	7.14	3.47	0.88	13.3
6	3	3.21	2.43	0.92	14.7	5.17	3.17	1.48	38.1	5.05	3.31	1.45	36.4	5.69	3.00	1.63	46.2	7.76	3.78	2.22	85.9
	4	2.98	2.31	0.64	7.2	4.96	3.06	1.07	19.8	4.85	3.20	1.04	18.9	5.46	2.90	1.17	23.9	7.51	3.66	1.61	45.3
	5	2.75	2.21	0.47	3.9	4.72	2.95	0.81	11.5	4.63	3.10	0.80	11.0	5.24	2.79	0.90	14.1	7.26	3.54	1.25	27.1
	6	2.48	2.11	0.35	2.2	4.50	2.86	0.64	7.2	4.39	2.98	0.63	6.9	4.98	2.67	0.71	8.9	7.07	3.41	1.01	17.9
	7	2.18	1.96	0.27	1.2	4.26	2.73	0.52	4.8	4.16	2.90	0.51	4.5	4.76	2.56	0.58	5.9	6.83	3.35	0.84	12.2
7	3	2.87	2.28	0.82	11.8	4.83	3.02	1.38	33.3	4.72	3.17	1.35	31.8	5.35	2.85	1.54	40.9	7.38	3.60	2.12	77.8
	4	2.64	2.20	0.57	5.6	4.63	2.91	1.00	17.2	4.50	3.07	0.97	16.3	5.14	2.76	1.11	21.2	7.20	3.54	1.55	41.6
	5	2.38	2.09	0.41	2.9	4.39	2.80	0.76	9.9	4.3	2.96	0.74	9.5	4.90	2.65	0.84	12.3	6.95	3.41	1.20	24.8
	6	2.10	1.99	0.30	1.6	4.16	2.72	0.60	6.2	4.09	2.85	0.59	6.0	4.67	2.53	0.67	7.8	6.76	3.29	0.97	16.3
	7	1.82	1.82	0.22	0.9	3.94	2.60	0.48	4.1	3.81	2.77	0.47	3.8	4.42	2.43	0.54	5.1	6.52	3.16	0.80	11.1
8	3	2.52	2.17	0.72	9.1	4.50	2.89	1.29	28.9	4.39	3.02	1.26	27.5	5.03	2.70	1.44	36.1	7.07	3.47	2.03	71.4
	4	2.27	2.10	0.49	4.1	4.30	2.79	0.92	14.8	4.17	2.95	0.90	14.0	4.79	2.62	1.03	18.4	6.83	3.35	1.47	37.4
	5	2.01	1.97	0.35	2.1	4.08	2.67	0.70	8.6	3.96	2.83	0.68	8.1	4.59	2.51	0.79	10.8	6.64	3.23	1.14	22.6
	6	1.81	1.81	0.26	1.2	3.82	2.59	0.55	5.2	3.74	2.73	0.54	5.0	4.36	2.40	0.62	6.8	6.39	3.16	0.92	14.6
	7	1.58	1.58	0.19	0.7	3.59	2.47	0.44	3.4	3.48	2.64	0.43	3.2	4.08	2.30	0.50	4.4	6.17	3.05	0.76	10.0
9	3	2.15	2.04	0.62	6.6	4.18	2.75	1.20	25.0	4.06	2.89	1.17	23.6	4.70	2.57	1.35	31.5	6.76	3.35	1.94	65.3
	4	1.95	1.95	0.42	3.1	3.95	2.66	0.85	12.5	3.83	2.80	0.82	11.8	4.46	2.48	0.96	15.9	6.52	3.23	1.40	34.1
	5	1.81	1.75	0.31	1.7	3.74	2.54	0.64	7.2	3.62	2.71	0.62	6.7	4.24	2.36	0.73	9.2	6.33	3.10	1.09	20.6
	6	1.58	1.58	0.23	0.9	3.49	2.45	0.50	4.3	3.36	2.62	0.48	4.0	4.01	2.25	0.58	5.8	6.06	3.03	0.87	13.1
	7	1.29	1.29	0.16	0.4	3.23	2.33	0.40	2.7	3.11	2.51	0.38	2.5	3.74	2.15	0.46	3.7	5.86	2.92	0.72	9.0
10	3	1.90	1.90	0.54	5.1	3.83	2.61	1.10	21.0	3.68	2.79	1.05	19.3	4.37	2.43	1.25	27.2	6.45	3.16	1.85	59.4
	4	1.74	1.74	0.37	2.4	3.60	2.51	0.77	10.4	3.47	2.69	0.75	9.7	4.11	2.34	0.88	13.6	6.19	3.10	1.33	30.7
	5	1.56	1.56	0.27	1.2	3.36	2.43	0.58	5.8	3.22	2.61	0.55	5.3	3.90	2.23	0.67	7.8	5.99	2.99	1.03	18.5
	6	1.33	1.33	0.19	0.6	3.13	2.33	0.45	3.5	2.99	2.51	0.43	3.2	3.64	2.12	0.52	4.7	5.73	2.91	0.82	11.7
	7	0.85	0.85	0.10	0.2	2.86	2.23	0.35	2.1	2.72	2.41	0.33	1.9	3.41	2.02	0.42	3.0	5.48	2.79	0.67	7.9
11	3	1.68	1.68	0.48	4.0	3.46	2.49	0.99	17.1	3.34	2.66	0.96	15.9	4.01	2.30	1.15	23.0	6.09	3.05	1.74	52.9
	4	1.53	1.53	0.33	1.9	3.25	2.41	0.70	8.5	3.11	2.56	0.67	7.8	3.79	2.21	0.82	11.5	5.84	2.97	1.26	27.4
	5	1.33	1.33	0.23	0.9	3.00	2.31	0.52	4.6	2.86	2.49	0.49	4.2	3.54	2.10	0.61	6.4	5.65	2.86	0.97	16.4
	6	1.05	1.05	0.15	0.4	2.73	2.22	0.39	2.7	2.62	2.38	0.38	2.5	3.29	2.00	0.47	3.9	5.39	2.79	0.77	10.4
	7	0.71	0.71	0.09	0.1	2.43	2.14	0.30	1.6	2.35	2.35	0.29	1.4	3.03	1.88	0.37	2.4	5.14	2.67	0.63	6.9
12	3	1.48	1.48	0.42	3.1	3.10	2.38	0.89	13.7	2.95	2.56	0.84	12.4	3.65	2.18	1.05	19.0	5.75	2.93	1.65	47.1
	4	1.30	1.30	0.28	1.4	2.87	2.30	0.62	6.6	2.72	2.48	0.59	6.0	3.43	2.08	0.74	9.5	5.50	2.84	1.18	24.3
	5	1.12	1.12	0.19	0.6	2.62	2.22	0.45	3.5	2.48	2.40	0.43	3.2	3.18	1.99	0.55	5.2	5.29	2.73	0.91	14.4
	6	0.68	0.68	0.10	0.2	2.33	2.14	0.33	1.9	2.30	2.26	0.33	1.9	2.92	1.87	0.42	3.0	5.04	2.66	0.72	9.1
	7	0.56	0.56	0.07	0.1	2.06	2.06	0.25	1.1	2.12	2.12	0.26	1.2	2.65	1.76	0.33	1.8	4.79	2.55	0.59	6.0
13	3	1.27	1.27	0.36	2.3	2.71	2.27	0.78	10.4	2.55	2.46	0.73	9.3	3.29	2.05	0.94	15.4	5.38	2.81	1.54	41.3
	4	1.09	1.09	0.23	0.9	2.48	2.18	0.53	4.9	2.39	2.35	0.51	4.6	3.05	1.95	0.66	7.5	5.15	2.71	1.11	21.3
	5	0.78	0.78	0.13	0.3	2.21	2.16	0.38	2.5	2.23	2.23	0.38	2.6	2.81	1.86	0.48	4.1	4.92	2.60	0.85	12.4
	6	0.52	0.52	0.07	0.1	2.01	2.01	0.29	1.4	2.08	2.08	0.30	1.5	2.54	1.76	0.36	2.3	4.67	2.53	0.67	7.8
	7	0.38	0.38	0.05	0.0	1.84	1.84	0.23	0.9	1.91	1.91	0.23	1.0	2.22	1.66	0.27	1.3	4.42	2.43	0.54	5.1

MDKT3-600FG12(G30)																					
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	4.13	3.00	1.19	32.7	6.37	3.84	1.83	77.6	6.24	4.00	1.79	74.4	6.97	3.66	2.00	92.8	9.38	4.55	2.69	168.1
	4	3.89	2.84	0.84	16.3	6.13	3.72	1.32	40.3	6.02	3.89	1.30	39.0	6.70	3.54	1.44	48.2	9.09	4.40	1.95	88.8
	5	3.59	2.71	0.62	8.9	5.86	3.59	1.01	23.6	5.74	3.77	0.99	22.7	6.44	5.56	1.11	28.5	8.80	4.33	1.51	53.3
	6	3.28	2.60	0.47	5.1	5.60	3.49	0.80	15.0	5.49	3.64	0.79	14.4	6.15	3.28	0.88	18.1	8.59	4.18	1.23	35.2
	7	2.94	2.43	0.36	3.0	5.32	3.33	0.65	10.0	5.20	3.51	0.64	9.5	5.89	3.15	0.72	12.2	8.30	4.04	1.02	24.2
6	3	3.74	2.83	1.07	26.7	6.01	3.69	1.72	69.0	5.87	3.85	1.68	65.9	6.62	3.49	1.90	83.7	9.02	4.40	2.59	155.4
	4	3.47	2.69	0.75	12.9	5.77	3.56	1.24	35.8	5.63	3.72	1.21	34.1	6.35	3.38	1.37	43.3	8.73	4.26	1.88	81.9
	5	3.20	2.57	0.55	7.1	5.49	3.43	0.94	20.7	5.38	3.61	0.93	19.9	6.10	3.25	1.05	25.6	8.44	4.11	1.45	49.0
	6	2.88	2.45	0.41	4.0	5.23	3.33	0.75	13.1	5.11	3.47	0.73	12.5	5.79	3.10	0.83	16.0	8.23	3.97	1.18	32.3
	7	2.53	2.28	0.31	2.3	4.96	3.17	0.61	8.6	4.83	3.38	0.59	8.2	5.53	2.97	0.68	10.7	7.94	3.90	0.98	22.1
7	3	3.34	2.66	0.96	21.3	5.61	3.51	1.61	60.2	5.49	3.69	1.57	57.6	6.23	3.32	1.78	74.1	8.59	4.18	2.46	140.9
	4	3.07	2.55	0.66	10.1	5.38	3.38	1.16	31.1	5.24	3.56	1.13	29.5	5.98	3.21	1.29	38.5	8.37	4.11	1.80	75.3
	5	2.77	2.43	0.48	5.3	5.11	3.26	0.88	18.0	5	3.44	0.86	17.2	5.69	3.08	0.98	22.3	8.08	3.97	1.39	44.9
	6	2.44	2.31	0.35	2.8	4.84	3.17	0.69	11.2	4.75	3.32	0.68	10.8	5.43	2.94	0.78	14.1	7.86	3.82	1.13	29.5
	7	2.11	2.11	0.26	1.6	4.58	3.02	0.56	7.4	4.43	3.22	0.54	6.9	5.14	2.82	0.63	9.3	7.58	3.68	0.93	20.1
8	3	2.93	2.52	0.84	16.4	5.23	3.35	1.50	52.3	5.11	3.51	1.46	49.9	5.85	3.14	1.68	65.4	8.23	4.04	2.36	129.3
	4	2.64	2.44	0.57	7.5	5.00	3.24	1.08	26.9	4.85	3.43	1.04	25.3	5.57	3.04	1.20	33.4	7.94	3.90	1.71	67.7
	5	2.34	2.29	0.40	3.8	4.75	3.10	0.82	15.5	4.60	3.29	0.79	14.6	5.33	2.92	0.92	19.6	7.72	3.75	1.33	41.0
	6	2.10	2.10	0.30	2.1	4.44	3.01	0.64	9.4	4.35	3.17	0.62	9.0	5.06	2.78	0.73	12.3	7.43	3.68	1.07	26.4
	7	1.83	1.83	0.23	1.2	4.18	2.87	0.51	6.1	4.05	3.07	0.50	5.8	4.74	2.67	0.58	7.9	7.17	3.54	0.88	18.1
9	3	2.50	2.37	0.72	12.0	4.86	3.20	1.39	45.2	4.73	3.36	1.35	42.7	5.46	2.99	1.57	57.0	7.86	3.90	2.25	118.2
	4	2.27	2.27	0.49	5.6	4.59	3.09	0.99	22.6	4.45	3.26	0.96	21.3	5.18	2.88	1.11	28.8	7.58	3.75	1.63	61.7
	5	2.10	2.03	0.36	3.0	4.34	2.96	0.75	13.0	4.21	3.15	0.72	12.2	4.93	2.75	0.85	16.7	7.36	3.61	1.27	37.3
	6	1.84	1.84	0.26	1.6	4.05	2.85	0.58	7.9	3.91	3.05	0.56	7.3	4.67	2.62	0.67	10.4	7.05	3.53	1.01	23.7
	7	1.50	1.50	0.18	0.8	3.75	2.71	0.46	4.9	3.62	2.91	0.44	4.6	4.34	2.50	0.53	6.6	6.81	3.40	0.84	16.3
10	3	2.21	2.21	0.63	9.3	4.46	3.04	1.28	38.0	4.28	3.24	1.23	35.0	5.08	2.83	1.46	49.3	7.50	3.68	2.15	107.6
	4	2.03	2.03	0.44	4.4	4.18	2.92	0.90	18.8	4.04	3.13	0.87	17.5	4.78	2.72	1.03	24.6	7.19	3.61	1.55	55.6
	5	1.81	1.81	0.31	2.3	3.91	2.83	0.67	10.5	3.74	3.03	0.64	9.6	4.53	2.60	0.78	14.1	6.97	3.48	1.20	33.4
	6	1.55	1.55	0.22	1.1	3.64	2.71	0.52	6.3	3.48	2.91	0.50	5.8	4.24	2.47	0.61	8.6	6.67	3.38	0.96	21.2
	7	0.99	0.99	0.12	0.3	3.33	2.59	0.41	3.9	3.17	2.81	0.39	3.5	3.96	2.34	0.49	5.5	6.37	3.25	0.78	14.2
11	3	1.95	1.95	0.56	7.3	4.03	2.90	1.15	31.0	3.88	3.09	1.11	28.8	4.67	2.68	1.34	41.6	7.08	3.54	2.03	95.7
	4	1.78	1.78	0.38	3.4	3.77	2.80	0.81	15.3	3.62	2.97	0.78	14.1	4.41	2.57	0.95	20.9	6.79	3.45	1.46	49.6
	5	1.54	1.54	0.27	1.6	3.48	2.69	0.60	8.4	3.33	2.90	0.57	7.6	4.12	2.45	0.71	11.7	6.57	3.33	1.13	29.7
	6	1.23	1.23	0.18	0.7	3.17	2.58	0.46	4.8	3.05	2.77	0.44	4.5	3.82	2.32	0.55	7.0	6.27	3.24	0.90	18.8
	7	0.83	0.83	0.10	0.2	2.83	2.49	0.35	2.8	2.73	2.73	0.34	2.6	3.52	2.19	0.43	4.4	5.98	3.10	0.73	12.6
12	3	1.72	1.72	0.49	5.6	3.60	2.76	1.03	24.8	3.43	2.98	0.98	22.4	4.24	2.53	1.22	34.4	6.68	3.41	1.92	85.3
	4	1.52	1.52	0.33	2.5	3.33	2.67	0.72	11.9	3.17	2.88	0.68	10.8	3.99	2.42	0.86	17.1	6.40	3.30	1.38	44.0
	5	1.31	1.31	0.22	1.2	3.04	2.58	0.52	6.4	2.89	2.78	0.50	5.7	3.70	2.31	0.64	9.4	6.15	3.17	1.06	26.1
	6	0.79	0.79	0.11	0.3	2.71	2.49	0.39	3.5	2.68	2.63	0.38	3.4	3.39	2.18	0.49	5.5	5.86	3.09	0.84	16.4
	7	0.65	0.65	0.08	0.1	2.40	2.40	0.29	2.0	2.47	2.47	0.30	2.1	3.08	2.05	0.38	3.3	5.57	2.97	0.68	10.9
13	3	1.48	1.48	0.42	4.2	3.15	2.64	0.90	18.9	2.97	2.86	0.85	16.8	3.82	2.39	1.10	27.9	6.26	3.27	1.79	74.8
	4	1.26	1.26	0.27	1.7	2.88	2.54	0.62	8.9	2.78	2.73	0.60	8.3	3.55	2.27	0.76	13.5	5.99	3.15	1.29	38.6
	5	0.91	0.91	0.16	0.6	2.57	2.51	0.44	4.5	2.60	2.60	0.45	4.6	3.27	2.16	0.56	7.3	5.72	3.02	0.98	22.5
	6	0.61	0.61	0.09	0.2	2.34	2.34	0.34	2.6	2.42	2.42	0.35	2.8	2.95	2.05	0.42	4.2	5.43	2.94	0.78	14.1
	7	0.45	0.45	0.05	0.1	2.14	2.14	0.26	1.6	2.22	2.22	0.27	1.7	2.58	1.93	0.32	2.3	5.14	2.82	0.63	9.3

MDKT3-800FG12(G30)																					
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	5.62	4.08	1.61	35.7	8.66	5.22	2.48	84.8	8.49	5.45	2.43	81.4	9.48	4.97	2.72	101.5	12.76	6.18	3.66	183.8
	4	5.29	3.86	1.14	17.8	8.33	5.06	1.79	44.1	8.19	5.29	1.76	42.6	9.11	4.81	1.96	52.7	12.36	5.99	2.66	97.1
	5	4.89	3.69	0.84	9.7	7.97	4.89	1.37	25.8	7.81	5.12	1.34	24.8	8.75	7.57	1.51	31.1	11.97	5.89	2.06	58.3
	6	4.46	3.53	0.64	5.6	7.61	4.75	1.09	16.4	7.47	4.95	1.07	15.7	8.37	4.45	1.20	19.8	11.68	5.69	1.67	38.5
	7	4.00	3.31	0.49	3.3	7.24	4.52	0.89	10.9	7.07	4.78	0.87	10.4	8.02	4.28	0.98	13.3	11.28	5.49	1.39	26.4
6	3	5.08	3.85	1.46	29.2	8.17	5.01	2.34	75.5	7.99	5.23	2.29	72.1	9.00	4.75	2.58	91.4	12.27	5.99	3.52	169.9
	4	4.72	3.66	1.01	14.2	7.85	4.84	1.69	39.1	7.66	5.05	1.65	37.3	8.63	4.59	1.86	47.4	11.87	5.79	2.55	89.6
	5	4.36	3.49	0.75	7.7	7.47	4.66	1.28	22.7	7.32	4.91	1.26	21.8	8.29	4.42	1.43	28.0	11.48	5.59	1.97	53.6
	6	3.92	3.34	0.56	4.3	7.11	4.52	1.02	14.3	6.95	4.72	1.00	13.6	7.88	4.22	1.13	17.5	11.19	5.40	1.60	35.3
	7	3.44	3.10	0.42	2.5	6.74	4.32	0.83	9.4	6.57	4.59	0.81	9.0	7.53	4.04	0.92	11.7	10.79	5.30	1.33	24.2
7	3	4.54	3.61	1.30	23.3	7.63	4.77	2.19	65.8	7.47	5.01	2.14	63.0	8.47	4.51	2.43	81.0	11.68	5.69	3.35	154.0
	4	4.17	3.47	0.90	11.0	7.32	4.60	1.57	34.0	7.12	4.85	1.53	32.2	8.13	4.37	1.75	42.0	11.38	5.59	2.45	82.3
	5	3.77	3.31	0.65	5.8	6.95	4.44	1.19	19.6	6.8	4.68	1.17	18.8	7.74	4.19	1.33	24.4	10.99	5.40	1.89	49.1
	6	3.32	3.14	0.48	3.1	6.58	4.31	0.94	12.2	6.47	4.51	0.93	11.8	7.39	4.00	1.06	15.4	10.70	5.20	1.53	32.3
	7	2.88	2.88	0.35	1.7	6.23	4.11	0.77	8.1	6.02	4.38	0.74	7.5	7.00	3.84	0.86	10.2	10.30	5.00	1.27	22.0
8	3	3.98	3.42	1.14	17.9	7.11	4.56	2.04	57.2	6.95	4.78	1.99	54.5	7.96	4.27	2.28	71.5	11.19	5.49	3.21	141.3
	4	3.59	3.32	0.77	8.2	6.80	4.41	1.46	29.4	6.59	4.67	1.42	27.6	7.58	4.14	1.63	36.5	10.79	5.30	2.32	74.0
	5	3.18	3.11	0.55	4.1	6.46	4.22	1.11	16.9	6.26	4.47	1.08	15.9	7.25	3.97	1.25	21.4	10.50	5.10	1.81	44.8
	6	2.86	2.86	0.41	2.3	6.03	4.09	0.86	10.3	5.92	4.32	0.85	9.9	6.89	3.79	0.99	13.4	10.11	5.00	1.45	28.8
	7	2.49	2.49	0.31	1.3	5.68	3.91	0.70	6.7	5.50	4.17	0.68	6.3	6.45	3.63	0.79	8.6	9.75	4.82	1.20	19.7
9	3	3.40	3.23	0.98	13.1	6.61	4.36	1.90	49.4	6.43	4.57	1.84	46.7	7.43	4.06	2.13	62.3	10.70	5.30	3.07	129.2
	4	3.09	3.09	0.66	6.1	6.24	4.20	1.34	24.7	6.05	4.44	1.30	23.3	7.05	3.92	1.51	31.5	10.30	5.10	2.22	67.4
	5	2.86	2.77	0.49	3.3	5.91	4.02	1.02	14.2	5.72	4.29	0.98	13.3	6.70	3.74	1.15	18.3	10.01	4.91	1.72	40.7
	6	2.50	2.50	0.36	1.8	5.51	3.88	0.79	8.6	5.32	4.15	0.76	8.0	6.35	3.56	0.91	11.4	9.59	4.80	1.37	25.9
	7	2.04	2.04	0.25	0.9	5.10	3.69	0.63	5.4	4.93	3.96	0.61	5.0	5.91	3.40	0.73	7.2	9.26	4.62	1.14	17.8
10	3	3.00	3.00	0.86	10.2	6.06	4.13	1.74	41.5	5.82	4.41	1.67	38.2	6.91	3.85	1.98	53.9	10.20	5.00	2.93	117.6
	4	2.76	2.76	0.59	4.8	5.69	3.97	1.22	20.6	5.49	4.26	1.18	19.2	6.51	3.70	1.40	26.9	9.78	4.91	2.10	60.8
	5	2.46	2.46	0.42	2.5	5.32	3.85	0.91	11.5	5.09	4.12	0.88	10.5	6.16	3.53	1.06	15.4	9.48	4.73	1.63	36.5
	6	2.11	2.11	0.30	1.3	4.96	3.68	0.71	6.9	4.73	3.96	0.68	6.3	5.76	3.36	0.83	9.4	9.07	4.60	1.30	23.2
	7	1.34	1.34	0.17	0.4	4.52	3.52	0.56	4.2	4.31	3.82	0.53	3.8	5.39	3.19	0.66	6.0	8.66	4.42	1.06	15.6
11	3	2.65	2.65	0.76	7.9	5.48	3.94	1.57	33.9	5.28	4.20	1.51	31.5	6.35	3.64	1.82	45.5	9.63	4.82	2.76	104.6
	4	2.42	2.42	0.52	3.7	5.13	3.81	1.10	16.7	4.93	4.04	1.06	15.4	6.00	3.49	1.29	22.8	9.23	4.69	1.99	54.2
	5	2.10	2.10	0.36	1.8	4.74	3.66	0.82	9.1	4.52	3.94	0.78	8.3	5.60	3.33	0.96	12.8	8.94	4.52	1.54	32.5
	6	1.67	1.67	0.24	0.8	4.32	3.51	0.62	5.3	4.15	3.77	0.59	4.9	5.20	3.16	0.75	7.6	8.53	4.41	1.22	20.5
	7	1.13	1.13	0.14	0.3	3.85	3.39	0.47	3.1	3.71	3.71	0.46	2.9	4.79	2.97	0.59	4.8	8.13	4.22	1.00	13.7
12	3	2.34	2.34	0.67	6.2	4.90	3.76	1.40	27.1	4.66	4.05	1.34	24.5	5.77	3.44	1.65	37.6	9.09	4.63	2.60	93.2
	4	2.06	2.06	0.44	2.7	4.53	3.63	0.97	13.1	4.31	3.92	0.93	11.8	5.43	3.29	1.17	18.7	8.70	4.48	1.87	48.1
	5	1.78	1.78	0.31	1.3	4.14	3.50	0.71	7.0	3.92	3.79	0.68	6.3	5.03	3.14	0.87	10.3	8.37	4.32	1.44	28.5
	6	1.07	1.07	0.15	0.3	3.68	3.39	0.53	3.8	3.64	3.57	0.52	3.7	4.61	2.96	0.66	6.0	7.97	4.20	1.14	17.9
	7	0.88	0.88	0.11	0.2	3.26	3.26	0.40	2.2	3.36	3.36	0.41	2.3	4.19	2.79	0.51	3.6	7.58	4.03	0.93	11.9
13	3	2.01	2.01	0.58	4.6	4.28	3.59	1.23	20.7	4.03	3.90	1.16	18.4	5.20	3.25	1.49	30.5	8.51	4.45	2.44	81.7
	4	1.72	1.72	0.37	1.9	3.92	3.45	0.84	9.7	3.78	3.71	0.81	9.1	4.83	3.09	1.04	14.8	8.14	4.28	1.75	42.1
	5	1.24	1.24	0.21	0.6	3.49	3.41	0.60	5.0	3.53	3.53	0.61	5.1	4.45	2.94	0.76	8.0	7.78	4.11	1.34	24.6
	6	0.82	0.82	0.12	0.2	3.18	3.18	0.46	2.9	3.29	3.29	0.47	3.1	4.01	2.79	0.58	4.5	7.38	4.00	1.06	15.4
	7	0.61	0.61	0.07	0.1	2.90	2.90	0.36	1.7	3.02	3.02	0.37	1.9	3.51	2.63	0.43	2.6	7.00	3.84	0.86	10.2

MDKT3-1000FG12(G30)																					
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	6.45	4.68	1.85	57.0	9.94	5.99	2.85	135.3	9.74	6.25	2.79	129.8	10.87	5.71	3.12	161.9	14.63	7.09	4.19	293.3
	4	6.07	4.42	1.30	28.4	9.56	5.81	2.05	70.4	9.40	6.07	2.02	68.1	10.45	5.52	2.25	84.1	14.18	6.87	3.05	155.0
	5	5.61	4.23	0.96	15.5	9.14	5.61	1.57	41.2	8.96	5.88	1.54	39.6	10.04	8.68	1.73	49.7	13.73	6.75	2.36	93.0
	6	5.12	4.05	0.73	9.0	8.73	5.45	1.25	26.1	8.57	5.67	1.23	25.1	9.60	5.11	1.38	31.6	13.39	6.53	1.92	61.4
	7	4.59	3.79	0.56	5.3	8.31	5.19	1.02	17.4	8.12	5.48	1.00	16.6	9.20	4.91	1.13	21.3	12.94	6.30	1.59	42.1
6	3	5.83	4.41	1.67	46.6	9.38	5.75	2.69	120.4	9.16	6.00	2.63	115.0	10.32	5.45	2.96	145.9	14.07	6.87	4.03	271.1
	4	5.41	4.20	1.16	22.6	9.00	5.55	1.94	62.5	8.79	5.80	1.89	59.5	9.90	5.27	2.13	75.6	13.62	6.64	2.93	142.9
	5	5.00	4.01	0.86	12.3	8.57	5.35	1.47	36.2	8.40	5.63	1.44	34.8	9.51	5.06	1.64	44.6	13.17	6.42	2.27	85.5
	6	4.49	3.83	0.64	6.9	8.16	5.19	1.17	22.8	7.97	5.41	1.14	21.7	9.04	4.84	1.30	28.0	12.83	6.19	1.84	56.4
	7	3.95	3.56	0.49	3.9	7.73	4.95	0.95	15.0	7.54	5.27	0.93	14.3	8.63	4.64	1.06	18.7	12.38	6.08	1.52	38.6
7	3	5.21	4.14	1.49	37.2	8.76	5.47	2.51	105.0	8.57	5.75	2.46	100.5	9.71	5.18	2.78	129.2	13.39	6.53	3.84	245.7
	4	4.78	3.98	1.03	17.6	8.40	5.28	1.81	54.3	8.17	5.56	1.76	51.4	9.33	5.01	2.01	67.1	13.06	6.42	2.81	131.3
	5	4.32	3.79	0.74	9.2	7.97	5.09	1.37	31.3	7.8	5.37	1.34	30	8.88	4.81	1.53	38.9	12.61	6.19	2.17	78.4
	6	3.80	3.60	0.55	5.0	7.55	4.94	1.08	19.5	7.42	5.18	1.06	18.8	8.48	4.59	1.21	24.6	12.27	5.97	1.76	51.5
	7	3.30	3.30	0.41	2.7	7.15	4.72	0.88	12.9	6.91	5.02	0.85	12.0	8.03	4.40	0.99	16.2	11.82	5.74	1.45	35.1
8	3	4.57	3.93	1.31	28.6	8.16	5.23	2.34	91.2	7.97	5.48	2.28	87.0	9.13	4.90	2.62	114.1	12.83	6.30	3.68	225.5
	4	4.12	3.80	0.89	13.1	7.80	5.05	1.68	46.9	7.56	5.36	1.63	44.1	8.69	4.75	1.87	58.2	12.38	6.08	2.66	118.1
	5	3.65	3.57	0.63	6.6	7.41	4.84	1.27	27.0	7.18	5.13	1.24	25.4	8.32	4.56	1.43	34.1	12.04	5.85	2.07	71.5
	6	3.28	3.28	0.47	3.7	6.92	4.69	0.99	16.4	6.79	4.95	0.97	15.8	7.90	4.34	1.13	21.4	11.59	5.74	1.66	46.0
	7	2.86	2.86	0.35	2.1	6.52	4.48	0.80	10.7	6.31	4.78	0.78	10.0	7.39	4.16	0.91	13.8	11.19	5.53	1.37	31.5
9	3	3.91	3.70	1.12	20.9	7.59	5.00	2.17	78.8	7.37	5.25	2.11	74.4	8.52	4.66	2.44	99.4	12.27	6.08	3.52	206.2
	4	3.55	3.55	0.76	9.7	7.16	4.82	1.54	39.5	6.94	5.09	1.49	37.2	8.08	4.49	1.74	50.3	11.82	5.85	2.54	107.6
	5	3.28	3.17	0.56	5.3	6.78	4.61	1.17	22.6	6.56	4.92	1.13	21.2	7.69	4.29	1.32	29.1	11.48	5.63	1.97	65.0
	6	2.87	2.87	0.41	2.8	6.33	4.45	0.91	13.7	6.10	4.76	0.87	12.7	7.28	4.09	1.04	18.2	11.00	5.50	1.58	41.4
	7	2.34	2.34	0.29	1.4	5.85	4.23	0.72	8.6	5.65	4.55	0.69	8.0	6.78	3.91	0.83	11.6	10.63	5.30	1.31	28.4
10	3	3.44	3.44	0.99	16.2	6.96	4.74	1.99	66.3	6.67	5.05	1.91	61.0	7.92	4.41	2.27	86.0	11.71	5.74	3.36	187.7
	4	3.16	3.16	0.68	7.7	6.53	4.56	1.40	32.8	6.30	4.88	1.36	30.6	7.46	4.24	1.60	42.9	11.22	5.63	2.41	97.0
	5	2.83	2.83	0.49	3.9	6.10	4.41	1.05	18.4	5.84	4.73	1.00	16.8	7.07	4.05	1.22	24.6	10.87	5.43	1.87	58.3
	6	2.42	2.42	0.35	2.0	5.68	4.22	0.81	11.1	5.43	4.55	0.78	10.1	6.61	3.85	0.95	14.9	10.40	5.28	1.49	37.0
	7	1.54	1.54	0.19	0.6	5.19	4.04	0.64	6.8	4.94	4.38	0.61	6.1	6.18	3.66	0.76	9.6	9.94	5.06	1.22	24.8
11	3	3.04	3.04	0.87	12.6	6.28	4.52	1.80	54.0	6.06	4.82	1.74	50.2	7.28	4.18	2.09	72.6	11.04	5.53	3.17	167.0
	4	2.78	2.78	0.60	6.0	5.89	4.37	1.27	26.7	5.65	4.64	1.21	24.6	6.88	4.01	1.48	36.4	10.59	5.38	2.28	86.4
	5	2.41	2.41	0.41	2.9	5.44	4.20	0.94	14.6	5.19	4.52	0.89	13.3	6.43	3.82	1.11	20.4	10.25	5.19	1.76	51.8
	6	1.91	1.91	0.27	1.3	4.95	4.03	0.71	8.4	4.76	4.32	0.68	7.8	5.97	3.62	0.86	12.2	9.78	5.05	1.40	32.8
	7	1.29	1.29	0.16	0.4	4.41	3.88	0.54	4.9	4.25	4.25	0.52	4.6	5.49	3.41	0.67	7.6	9.33	4.84	1.15	21.9
12	3	2.68	2.68	0.77	9.8	5.62	4.31	1.61	43.2	5.35	4.65	1.53	39.2	6.62	3.95	1.90	60.0	10.42	5.31	2.99	148.8
	4	2.36	2.36	0.51	4.3	5.20	4.16	1.12	20.8	4.94	4.49	1.06	18.8	6.22	3.77	1.34	29.8	9.98	5.14	2.15	76.8
	5	2.04	2.04	0.35	2.0	4.75	4.02	0.82	11.1	4.50	4.34	0.77	10.0	5.77	3.60	0.99	16.4	9.60	4.95	1.65	45.5
	6	1.23	1.23	0.18	0.5	4.22	3.88	0.60	6.1	4.18	4.10	0.60	6.0	5.29	3.40	0.76	9.6	9.14	4.82	1.31	28.6
	7	1.01	1.01	0.12	0.3	3.74	3.74	0.46	3.5	3.85	3.85	0.47	3.7	4.81	3.20	0.59	5.8	8.69	4.63	1.07	19.0
13	3	2.31	2.31	0.66	7.3	4.91	4.12	1.41	33.0	4.63	4.47	1.33	29.3	5.97	3.73	1.71	48.7	9.76	5.10	2.80	130.4
	4	1.97	1.97	0.42	3.0	4.49	3.96	0.97	15.5	4.33	4.25	0.93	14.5	5.54	3.55	1.19	23.6	9.34	4.91	2.01	67.2
	5	1.42	1.42	0.24	1.0	4.01	3.92	0.69	7.9	4.05	4.05	0.70	8.1	5.10	3.38	0.88	12.8	8.93	4.72	1.54	39.3
	6	0.95	0.95	0.14	0.3	3.65	3.65	0.52	4.6	3.77	3.77	0.54	4.9	4.60	3.20	0.66	7.3	8.46	4.59	1.21	24.5
	7	0.70	0.70	0.09	0.1	3.33	3.33	0.41	2.8	3.47	3.47	0.43	3.0	4.03	3.02	0.50	4.1	8.03	4.40	0.99	16.2

MDKT3-1200FG12(G30)																					
EWT	Δt	Air inlet condition																			
		DB:26.7 WB:19.4				DB:27 WB:18				DB:27 WB:19				DB:27 WB:20				DB:29 WB:21			
		TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
5	3	8.43	6.12	2.42	76.5	13.00	7.83	3.73	181.7	12.73	8.17	3.65	174.4	14.22	7.46	4.08	217.5	19.13	9.27	5.49	393.9
	4	7.93	5.78	1.71	38.1	12.50	7.59	2.69	94.5	12.29	7.93	2.64	91.4	13.66	7.21	2.94	112.9	18.55	8.98	3.99	208.2
	5	7.33	5.53	1.26	20.8	11.95	7.33	2.06	55.3	11.72	7.68	2.02	53.2	13.13	11.35	2.26	66.8	17.96	8.83	3.09	124.9
	6	6.70	5.30	0.96	12.1	11.42	7.12	1.64	35.1	11.20	7.42	1.61	33.7	12.55	6.68	1.80	42.4	17.52	8.54	2.51	82.5
	7	6.01	4.96	0.74	7.1	10.86	6.79	1.33	23.3	10.61	7.17	1.30	22.3	12.03	6.42	1.48	28.6	16.93	8.24	2.08	56.6
6	3	7.62	5.77	2.19	62.5	12.26	7.52	3.51	161.7	11.98	7.85	3.43	154.4	13.50	7.12	3.87	196.0	18.40	8.98	5.27	364.2
	4	7.08	5.49	1.52	30.3	11.77	7.26	2.53	83.9	11.50	7.58	2.47	80.0	12.95	6.89	2.78	101.5	17.81	8.68	3.83	192.0
	5	6.54	5.24	1.12	16.5	11.20	6.99	1.93	48.6	10.98	7.36	1.89	46.7	12.44	6.62	2.14	59.9	17.22	8.39	2.96	114.9
	6	5.87	5.00	0.84	9.3	10.67	6.79	1.53	30.6	10.42	7.08	1.49	29.2	11.82	6.33	1.69	37.6	16.78	8.10	2.41	75.7
	7	5.17	4.65	0.63	5.3	10.11	6.48	1.24	20.2	9.86	6.89	1.21	19.2	11.29	6.06	1.39	25.2	16.19	7.95	1.99	51.8
7	3	6.81	5.42	1.95	50.0	11.45	7.15	3.28	141.1	11.20	7.52	3.21	135.0	12.70	6.77	3.64	173.6	17.52	8.54	5.02	330.1
	4	6.26	5.21	1.34	23.7	10.98	6.90	2.36	73.0	10.69	7.27	2.30	69.1	12.20	6.55	2.62	90.1	17.07	8.39	3.67	176.4
	5	5.65	4.96	0.97	12.4	10.42	6.65	1.79	42.1	10.2	7.02	1.75	40.3	11.61	6.28	2.00	52.2	16.48	8.10	2.84	105.3
	6	4.97	4.71	0.71	6.7	9.88	6.46	1.42	26.2	9.70	6.77	1.39	25.3	11.08	6.01	1.59	33.0	16.04	7.80	2.30	69.2
	7	4.31	4.31	0.53	3.7	9.35	6.17	1.15	17.3	9.04	6.56	1.11	16.1	10.49	5.75	1.29	21.8	15.45	7.51	1.90	47.2
8	3	5.98	5.14	1.71	38.4	10.67	6.84	3.06	122.5	10.42	7.17	2.99	116.8	11.94	6.40	3.42	153.3	16.78	8.24	4.81	302.9
	4	5.39	4.97	1.16	17.6	10.20	6.61	2.19	63.0	9.89	7.01	2.13	59.2	11.36	6.21	2.44	78.1	16.19	7.95	3.48	158.7
	5	4.77	4.67	0.82	8.8	9.68	6.33	1.67	36.3	9.39	6.71	1.62	34.2	10.88	5.96	1.87	45.8	15.75	7.65	2.71	96.1
	6	4.28	4.28	0.61	4.9	9.05	6.14	1.30	22.0	8.88	6.48	1.27	21.2	10.33	5.68	1.48	28.7	15.16	7.51	2.17	61.8
	7	3.74	3.74	0.46	2.8	8.52	5.86	1.05	14.4	8.26	6.26	1.01	13.5	9.67	5.45	1.19	18.5	14.63	7.23	1.80	42.3
9	3	5.11	4.84	1.46	28.1	9.92	6.54	2.84	105.9	9.64	6.86	2.76	100.0	11.14	6.09	3.19	133.6	16.04	7.95	4.60	276.9
	4	4.64	4.64	1.00	13.0	9.36	6.30	2.01	53.0	9.08	6.65	1.95	49.9	10.57	5.87	2.27	67.6	15.45	7.65	3.32	144.6
	5	4.28	4.15	0.74	7.1	8.86	6.03	1.52	30.4	8.58	6.43	1.48	28.5	10.05	5.61	1.73	39.1	15.01	7.36	2.58	87.3
	6	3.75	3.75	0.54	3.8	8.27	5.81	1.19	18.4	7.98	6.23	1.14	17.1	9.52	5.34	1.36	24.4	14.38	7.20	2.06	55.6
	7	3.06	3.06	0.38	1.9	7.65	5.53	0.94	11.6	7.39	5.95	0.91	10.8	8.86	5.11	1.09	15.5	13.89	6.93	1.71	38.2
10	3	4.50	4.50	1.29	21.8	9.10	6.20	2.61	89.0	8.73	6.61	2.50	82.0	10.36	5.77	2.97	115.5	15.31	7.51	4.39	252.1
	4	4.14	4.14	0.89	10.4	8.54	5.96	1.84	44.1	8.24	6.39	1.77	41.1	9.76	5.55	2.10	57.6	14.67	7.36	3.16	130.3
	5	3.69	3.69	0.64	5.3	7.98	5.77	1.37	24.7	7.64	6.18	1.31	22.6	9.24	5.30	1.59	33.1	14.22	7.09	2.45	78.3
	6	3.16	3.16	0.45	2.7	7.43	5.52	1.07	14.9	7.09	5.95	1.02	13.5	8.64	5.03	1.24	20.1	13.60	6.90	1.95	49.8
	7	2.02	2.02	0.25	0.8	6.79	5.28	0.83	9.1	6.46	5.73	0.79	8.3	8.08	4.78	0.99	12.9	13.00	6.62	1.60	33.4
11	3	3.97	3.97	1.14	17.0	8.21	5.92	2.35	72.6	7.92	6.30	2.27	67.5	9.52	5.46	2.73	97.6	14.44	7.23	4.14	224.3
	4	3.64	3.64	0.78	8.0	7.70	5.71	1.66	35.9	7.39	6.06	1.59	33.0	8.99	5.24	1.93	48.9	13.85	7.04	2.98	116.1
	5	3.15	3.15	0.54	3.8	7.11	5.49	1.22	19.6	6.79	5.92	1.17	17.8	8.40	4.99	1.45	27.4	13.41	6.79	2.31	69.6
	6	2.50	2.50	0.36	1.7	6.48	5.27	0.93	11.3	6.23	5.65	0.89	10.4	7.80	4.74	1.12	16.4	12.79	6.61	1.83	44.0
	7	1.69	1.69	0.21	0.6	5.77	5.08	0.71	6.6	5.56	5.56	0.68	6.1	7.18	4.46	0.88	10.2	12.20	6.33	1.50	29.4
12	3	3.50	3.50	1.00	13.2	7.34	5.64	2.11	58.0	6.99	6.08	2.00	52.6	8.65	5.17	2.48	80.6	13.63	6.95	3.91	199.9
	4	3.09	3.09	0.66	5.8	6.80	5.45	1.46	28.0	6.46	5.87	1.39	25.3	8.14	4.93	1.75	40.1	13.06	6.73	2.81	103.2
	5	2.66	2.66	0.46	2.7	6.21	5.25	1.07	14.9	5.89	5.68	1.01	13.4	7.55	4.71	1.30	22.1	12.55	6.48	2.16	61.1
	6	1.60	1.60	0.23	0.7	5.52	5.08	0.79	8.2	5.46	5.36	0.78	8.0	6.92	4.45	0.99	12.9	11.95	6.30	1.71	38.4
	7	1.32	1.32	0.16	0.3	4.89	4.89	0.60	4.7	5.03	5.03	0.62	5.0	6.28	4.18	0.77	7.8	11.36	6.05	1.40	25.5
13	3	3.02	3.02	0.86	9.8	6.42	5.39	1.84	44.3	6.05	5.84	1.73	39.4	7.80	4.87	2.24	65.5	12.76	6.67	3.66	175.2
	4	2.58	2.58	0.55	4.0	5.87	5.18	1.26	20.9	5.67	5.56	1.22	19.4	7.24	4.64	1.56	31.7	12.22	6.42	2.63	90.3
	5	1.85	1.85	0.32	1.3	5.24	5.12	0.90	10.6	5.30	5.30	0.91	10.9	6.67	4.42	1.15	17.2	11.67	6.17	2.01	52.8
	6	1.24	1.24	0.18	0.4	4.77	4.77	0.68	6.1	4.93	4.93	0.71	6.5	6.02	4.18	0.86	9.7	11.07	6.01	1.59	33.0
	7	0.91	0.91	0.11	0.2	4.36	4.36	0.54	3.8	4.53	4.53	0.56	4.1	5.27	3.94	0.65	5.5	10.49	5.75	1.29	21.8

MDKT3-1400FG12(G30)

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	9.51	6.90	2.73	98.6	14.65	8.83	4.20	234.1	14.35	9.21	4.11	224.6	16.03	8.41	4.60	280.1	21.57	10.45	6.18	507.3
	4	8.94	6.52	1.92	49.1	14.09	8.56	3.03	121.7	13.86	8.94	2.98	117.7	15.40	8.13	3.31	145.4	20.91	10.12	4.50	268.1
	5	8.26	6.24	1.42	26.8	13.47	8.26	2.32	71.3	13.21	8.66	2.27	68.5	14.80	12.79	2.55	86.0	20.25	9.96	3.48	160.8
	6	7.55	5.97	1.08	15.5	12.88	8.03	1.85	45.2	12.63	8.36	1.81	43.5	14.16	7.53	2.03	54.6	19.75	9.62	2.83	106.3
	7	6.77	5.59	0.83	9.2	12.25	7.65	1.50	30.0	11.96	8.08	1.47	28.7	13.56	7.24	1.67	36.8	19.08	9.29	2.34	72.9
6	3	8.60	6.51	2.46	80.5	13.82	8.48	3.96	208.3	13.51	8.84	3.87	198.9	15.22	8.03	4.36	252.4	20.74	10.12	5.95	469.0
	4	7.98	6.19	1.72	39.1	13.28	8.18	2.85	108.1	12.96	8.55	2.79	103.0	14.60	7.77	3.14	130.8	20.08	9.79	4.32	247.2
	5	7.37	5.91	1.27	21.3	12.63	7.88	2.17	62.6	12.38	8.30	2.13	60.1	14.02	7.47	2.41	77.2	19.42	9.46	3.34	147.9
	6	6.62	5.64	0.95	11.9	12.03	7.65	1.72	39.4	11.75	7.98	1.68	37.6	13.33	7.14	1.91	48.4	18.92	9.13	2.71	97.5
	7	5.82	5.24	0.72	6.8	11.40	7.30	1.40	26.0	11.12	7.77	1.37	24.8	12.73	6.84	1.56	32.4	18.25	8.96	2.24	66.7
7	3	7.68	6.11	2.20	64.4	12.91	8.06	3.70	181.7	12.63	8.48	3.62	173.8	14.32	7.63	4.11	223.6	19.75	9.62	5.66	425.1
	4	7.05	5.87	1.52	30.5	12.38	7.78	2.66	94.0	12.05	8.20	2.59	89.0	13.76	7.38	2.96	116.0	19.25	9.46	4.14	227.2
	5	6.37	5.59	1.10	15.9	11.75	7.50	2.02	54.2	11.5	7.92	1.98	51.9	13.09	7.09	2.25	67.3	18.59	9.13	3.20	135.6
	6	5.61	5.31	0.80	8.6	11.13	7.28	1.60	33.8	10.94	7.63	1.57	32.6	12.50	6.77	1.79	42.6	18.09	8.80	2.59	89.2
	7	4.86	4.86	0.60	4.7	10.54	6.95	1.29	22.2	10.19	7.40	1.25	20.8	11.83	6.49	1.45	28.0	17.42	8.46	2.14	60.8
8	3	6.74	5.79	1.93	49.5	12.03	7.72	3.45	157.8	11.75	8.08	3.37	150.5	13.46	7.22	3.86	197.4	18.92	9.29	5.42	390.1
	4	6.07	5.61	1.31	22.6	11.50	7.45	2.47	81.1	11.15	7.90	2.40	76.3	12.81	7.00	2.75	100.6	18.25	8.96	3.92	204.3
	5	5.38	5.26	0.92	11.3	10.92	7.14	1.88	46.8	10.59	7.57	1.82	44.0	12.26	6.72	2.11	59.0	17.76	8.63	3.05	123.7
	6	4.83	4.83	0.69	6.4	10.21	6.92	1.46	28.4	10.01	7.30	1.43	27.3	11.65	6.41	1.67	37.0	17.09	8.46	2.45	79.6
	7	4.22	4.22	0.52	3.6	9.61	6.60	1.18	18.5	9.31	7.05	1.14	17.4	10.90	6.14	1.34	23.8	16.49	8.15	2.03	54.5
9	3	5.76	5.46	1.65	36.1	11.18	7.37	3.21	136.4	10.87	7.73	3.12	128.8	12.56	6.87	3.60	172.0	18.09	8.96	5.19	356.7
	4	5.23	5.23	1.12	16.8	10.55	7.10	2.27	68.3	10.24	7.50	2.20	64.3	11.91	6.62	2.56	87.1	17.42	8.63	3.75	186.2
	5	4.83	4.68	0.83	9.2	9.99	6.80	1.72	39.2	9.67	7.25	1.66	36.7	11.33	6.32	1.95	50.4	16.93	8.30	2.91	112.4
	6	4.23	4.23	0.61	4.9	9.33	6.55	1.34	23.7	8.99	7.02	1.29	22.0	10.74	6.02	1.54	31.4	16.21	8.11	2.32	71.6
	7	3.45	3.45	0.42	2.4	8.63	6.24	1.06	14.9	8.33	6.70	1.02	13.9	9.99	5.76	1.23	20.0	15.67	7.82	1.92	49.1
10	3	5.08	5.08	1.46	28.1	10.26	6.99	2.94	114.7	9.84	7.45	2.82	105.6	11.68	6.51	3.35	148.8	17.26	8.46	4.95	324.7
	4	4.66	4.66	1.00	13.3	9.62	6.72	2.07	56.8	9.29	7.20	2.00	53.0	11.00	6.26	2.37	74.2	16.54	8.30	3.56	167.8
	5	4.17	4.17	0.72	6.8	8.99	6.51	1.55	31.7	8.61	6.97	1.48	29.1	10.42	5.97	1.79	42.6	16.03	8.00	2.76	100.8
	6	3.57	3.57	0.51	3.5	8.38	6.22	1.20	19.1	8.00	6.70	1.15	17.4	9.74	5.68	1.40	25.9	15.33	7.78	2.20	64.1
	7	2.27	2.27	0.28	1.0	7.65	5.96	0.94	11.7	7.28	6.46	0.90	10.6	9.11	5.39	1.12	16.6	14.65	7.47	1.80	43.0
11	3	4.48	4.48	1.28	21.9	9.26	6.67	2.65	93.5	8.93	7.10	2.56	86.9	10.74	6.16	3.08	125.7	16.28	8.15	4.67	288.9
	4	4.10	4.10	0.88	10.3	8.68	6.44	1.87	46.2	8.33	6.84	1.79	42.6	10.14	5.91	2.18	63.0	15.62	7.93	3.36	149.5
	5	3.55	3.55	0.61	4.9	8.02	6.19	1.38	25.2	7.65	6.67	1.32	23.0	9.48	5.63	1.63	35.2	15.12	7.65	2.60	89.7
	6	2.82	2.82	0.40	2.2	7.30	5.94	1.05	14.5	7.02	6.37	1.01	13.4	8.80	5.34	1.26	21.1	14.42	7.45	2.07	56.7
	7	1.91	1.91	0.23	0.7	6.51	5.73	0.80	8.5	6.27	6.27	0.77	7.9	8.10	5.03	0.99	13.1	13.76	7.14	1.69	37.9
12	3	3.95	3.95	1.13	17.0	8.28	6.36	2.37	74.7	7.88	6.85	2.26	67.7	9.76	5.82	2.80	103.8	15.37	7.83	4.41	257.4
	4	3.48	3.48	0.75	7.4	7.67	6.14	1.65	36.0	7.28	6.62	1.57	32.5	9.18	5.56	1.97	51.6	14.72	7.58	3.16	132.9
	5	3.00	3.00	0.52	3.5	7.00	5.92	1.20	19.2	6.64	6.41	1.14	17.3	8.51	5.31	1.46	28.4	14.16	7.30	2.43	78.6
	6	1.81	1.81	0.26	0.9	6.22	5.73	0.89	10.6	6.16	6.04	0.88	10.3	7.80	5.01	1.12	16.6	13.47	7.10	1.93	49.5
	7	1.49	1.49	0.18	0.4	5.51	5.51	0.68	6.1	5.68	5.68	0.70	6.4	7.09	4.71	0.87	10.1	12.81	6.82	1.57	32.9
13	3	3.40	3.40	0.98	12.6	7.24	6.07	2.07	57.1	6.82	6.59	1.96	50.7	8.80	5.49	2.52	84.3	14.39	7.52	4.12	225.7
	4	2.90	2.90	0.62	5.2	6.62	5.84	1.42	26.9	6.39	6.27	1.37	25.0	8.16	5.23	1.76	40.9	13.77	7.24	2.96	116.3
	5	2.09	2.09	0.36	1.7	5.91	5.77	1.02	13.7	5.97	5.97	1.03	14.0	7.52	4.98	1.29	22.2	13.16	6.95	2.26	68.0
	6	1.39	1.39	0.20	0.5	5.38	5.38	0.77	7.9	5.56	5.56	0.80	8.4	6.79	4.71	0.97	12.6	12.48	6.77	1.79	42.4
	7	1.03	1.03	0.13	0.2	4.91	4.91	0.60	4.8	5.11	5.11	0.63	5.2	5.94	4.45	0.73	7.1	11.83	6.49	1.45	28.0

Cooling capacity modification coefficient table:

Speed	200		300		400		500		600		800		1000		1200		1400	
	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC	TC	SC
High	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mid	0.88	0.87	0.87	0.85	0.88	0.86	0.87	0.86	0.86	0.85	0.85	0.84	0.86	0.84	0.87	0.86	0.86	0.85
Low	0.76	0.74	0.79	0.78	0.77	0.76	0.77	0.75	0.77	0.75	0.75	0.74	0.75	0.73	0.77	0.75	0.77	0.75

Heating Capacity:

Remark:

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

MDKT3-200FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.25	0.02	0.0	0.94	0.08	0.7	1.64	0.14	2.0	2.33	0.20	4.1	3.00	0.26	6.8	3.71	0.32	10.38
8	0.34	0.04	0.1	1.03	0.11	1.3	1.72	0.19	3.5	2.39	0.26	6.8	3.06	0.33	11.1	3.75	0.40	16.62
6	0.43	0.06	0.4	1.12	0.16	2.6	1.80	0.26	6.8	2.48	0.35	12.9	3.15	0.45	20.8	3.84	0.55	30.88

MDKT3-300FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.33	0.03	0.1	1.25	0.11	1.2	2.18	0.19	3.7	3.10	0.27	7.5	4.00	0.34	12.5	4.94	0.42	19.08
8	0.46	0.05	0.3	1.38	0.15	2.3	2.30	0.25	6.5	3.19	0.34	12.4	4.08	0.44	20.4	5.00	0.54	30.55
6	0.57	0.08	0.7	1.49	0.21	4.8	2.40	0.34	12.5	3.30	0.47	23.6	4.20	0.60	38.2	5.11	0.73	56.76

MDKT3-400FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.43	0.04	0.2	1.63	0.14	2.3	2.84	0.24	7.0	4.04	0.35	14.2	5.20	0.45	23.5	6.42	0.55	35.87
8	0.60	0.06	0.5	1.79	0.19	4.3	2.99	0.32	12.1	4.15	0.45	23.3	5.31	0.57	38.3	6.50	0.70	57.43
6	0.74	0.11	1.3	1.94	0.28	9.1	3.12	0.45	23.5	4.29	0.62	44.4	5.45	0.78	71.8	6.65	0.95	106.71

MDKT3-500FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.47	0.04	0.2	1.78	0.15	2.3	3.11	0.27	7.2	4.42	0.38	14.5	5.70	0.49	24.0	7.04	0.61	36.63
8	0.65	0.07	0.5	1.96	0.21	4.4	3.28	0.35	12.4	4.54	0.49	23.8	5.82	0.63	39.1	7.13	0.77	58.65
6	0.82	0.12	1.4	2.12	0.30	9.3	3.42	0.49	24.0	4.70	0.67	45.4	5.98	0.86	73.4	7.29	1.04	108.98

MDKT3-600FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.60	0.05	0.3	2.25	0.19	4.0	3.93	0.34	12.1	5.59	0.48	24.5	7.20	0.62	40.7	8.90	0.76	62.12
8	0.82	0.09	0.8	2.48	0.27	7.5	4.14	0.44	21.0	5.74	0.62	40.4	7.35	0.79	66.3	9.00	0.97	99.46
6	1.03	0.15	2.3	2.68	0.38	15.7	4.32	0.62	40.7	5.94	0.85	77.0	7.55	1.08	124.4	9.21	1.32	184.81

MDKT3-800FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.80	0.07	0.1	3.00	0.26	2.0	5.24	0.45	6.2	7.45	0.64	12.5	9.60	0.83	20.7	11.86	1.02	31.59
8	1.10	0.12	0.4	3.30	0.36	3.8	5.52	0.59	10.7	7.65	0.82	20.6	9.80	1.05	33.7	12.01	1.29	50.58
6	1.37	0.20	1.2	3.58	0.51	8.0	5.76	0.83	20.7	7.92	1.14	39.2	10.07	1.44	63.3	12.27	1.76	94.00

MDKT3-1000FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	0.90	0.08	0.2	3.38	0.29	3.4	5.90	0.51	10.4	8.38	0.72	20.9	10.80	0.93	34.7	13.34	1.15	52.96
8	1.24	0.13	0.7	3.72	0.40	6.4	6.21	0.67	17.9	8.61	0.93	34.5	11.03	1.19	56.5	13.51	1.45	84.80
6	1.55	0.22	2.0	4.03	0.58	13.4	6.48	0.93	34.7	8.91	1.28	65.6	11.33	1.62	106.1	13.81	1.98	157.57

MDKT3-1200FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	1.12	0.10	0.2	4.22	0.36	2.8	7.37	0.63	8.5	10.48	0.90	17.2	13.50	1.16	28.6	16.68	1.43	43.65
8	1.55	0.17	0.6	4.64	0.50	5.3	7.76	0.83	14.8	10.76	1.16	28.4	13.78	1.48	46.6	16.88	1.81	69.89
6	1.93	0.28	1.6	5.03	0.72	11.0	8.10	1.16	28.6	11.14	1.60	54.1	14.16	2.03	87.4	17.26	2.47	129.87

MDKT3-1400FG12(G30)

Δt	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
℃	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
10	1.29	0.11	0.4	4.85	0.42	5.4	8.47	0.73	16.5	12.03	1.03	33.3	15.50	1.33	55.2	19.15	1.65	84.25
8	1.77	0.19	1.1	5.33	0.57	10.2	8.91	0.96	28.5	12.36	1.33	54.8	15.83	1.70	89.9	19.38	2.08	134.89
6	2.22	0.32	3.1	5.78	0.83	21.3	9.30	1.33	55.2	12.79	1.83	104.4	16.26	2.33	168.7	19.82	2.84	250.65

Note: Air inlet temperature is 20℃ DB.

Heating capacity modification coefficient table:

Speed	200	300	400	500	600	800	1000	1200	1400
	TH	TH	TH	TH	TH	TH	TH	TH	TH
High	1	1	1	1	1	1	1	1	1
Mid	0.82	0.81	0.78	0.79	0.8	0.79	0.77	0.78	0.79
Low	0.71	0.68	0.7	0.69	0.7	0.69	0.68	0.71	0.68

Altitude modification coefficient table:

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

Safe and effective operation table:

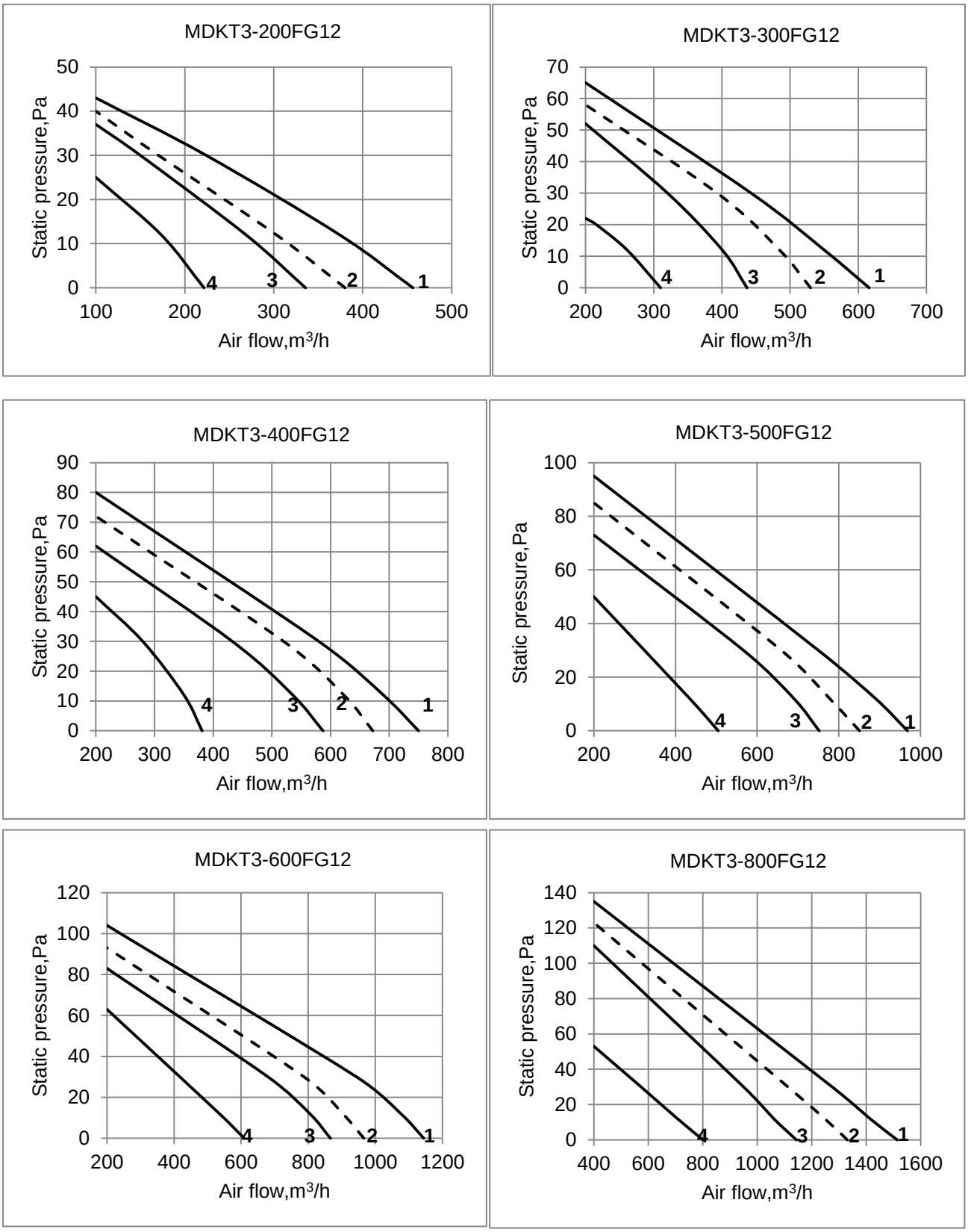
Temperature / Mode	Outdoor temperature	Room temperature	Water inlet temperature
Cooling operation	0℃~43℃	17℃~32℃	3℃~20℃
Heating operating(cooling only type without)	-15℃~24℃	0℃~30℃	30℃~80℃

10. Static Pressure Graph

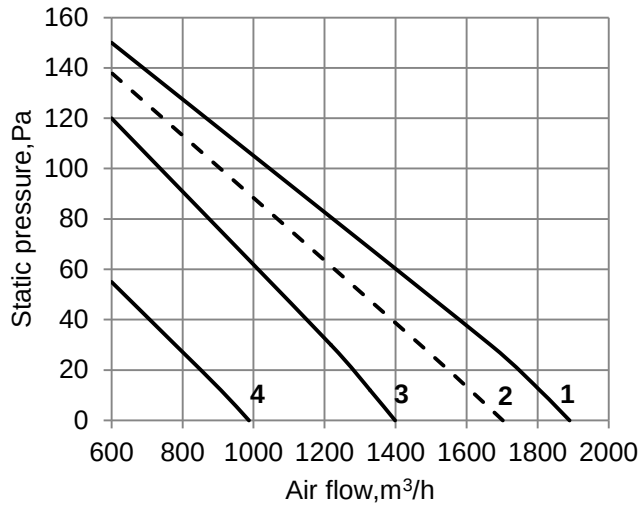
How to read the diagram

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

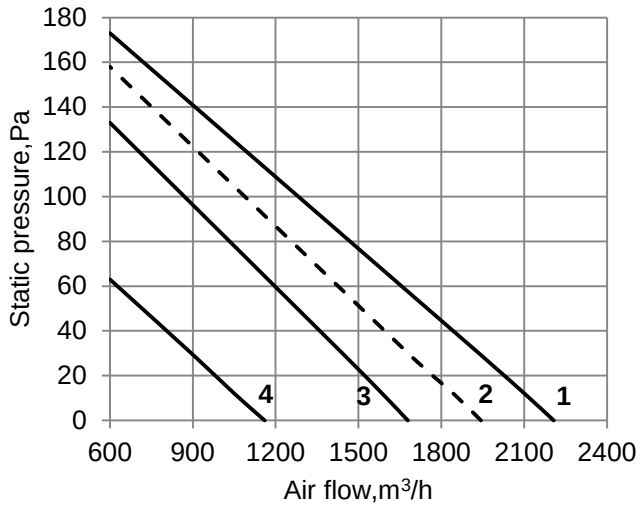
The characteristic curve for the "**1**-Super Hi", "**2**-Hi", "**3**-Mid" and "**4**-Lo" fan speed control. The dotted line stands for reserved speed.



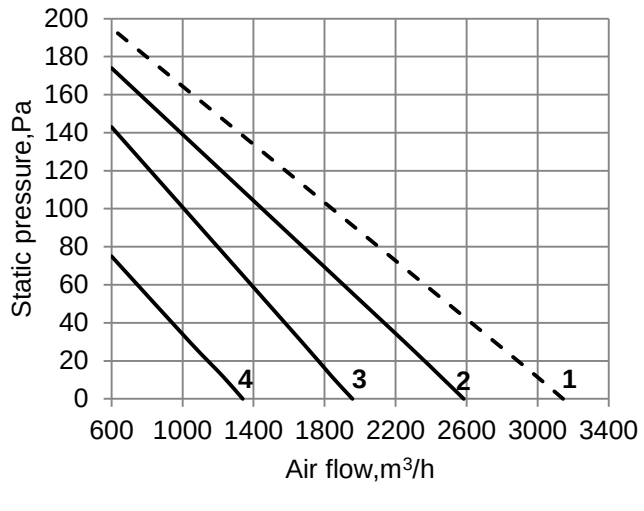
MDKT3-1000FG12



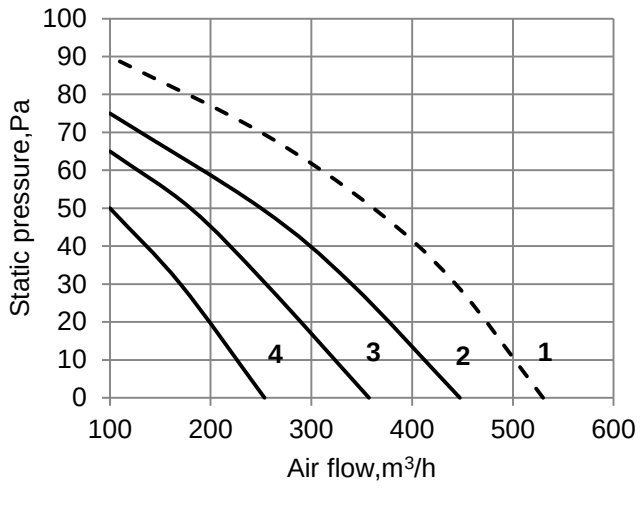
MDKT3-1200FG12



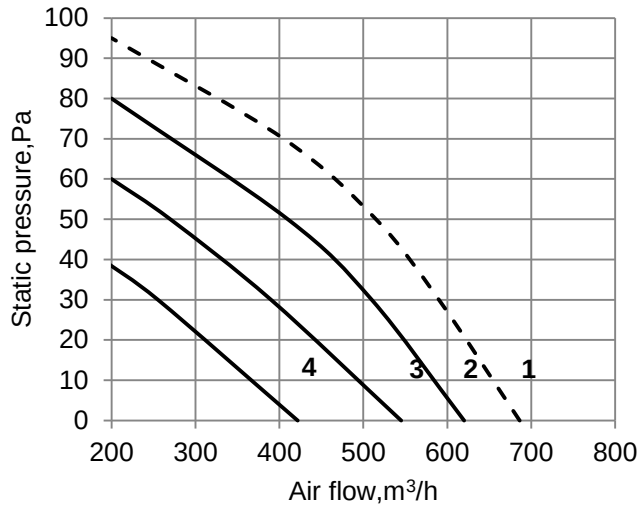
MDKT3-1400FG12



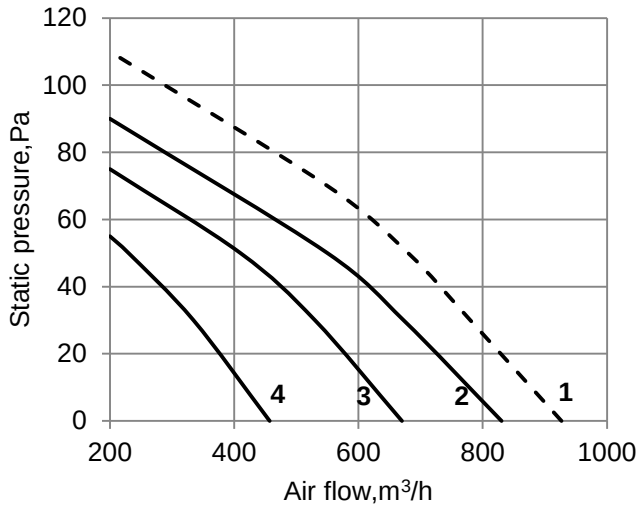
MDKT3-200FG30

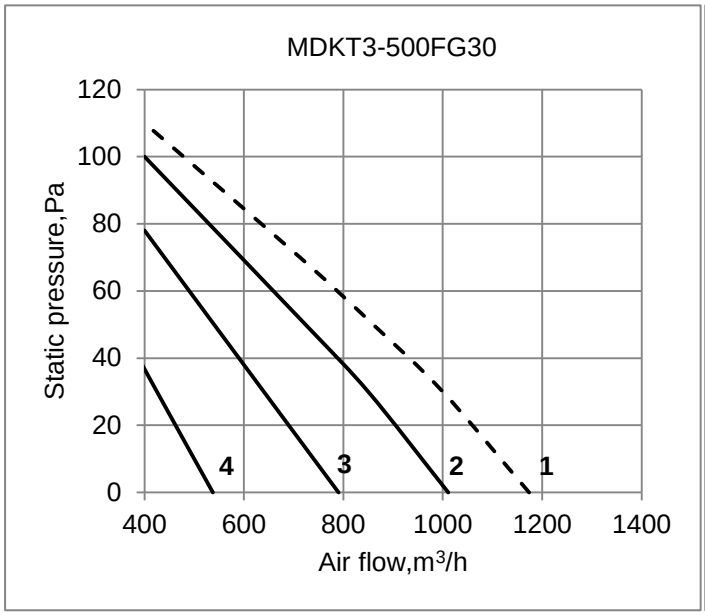


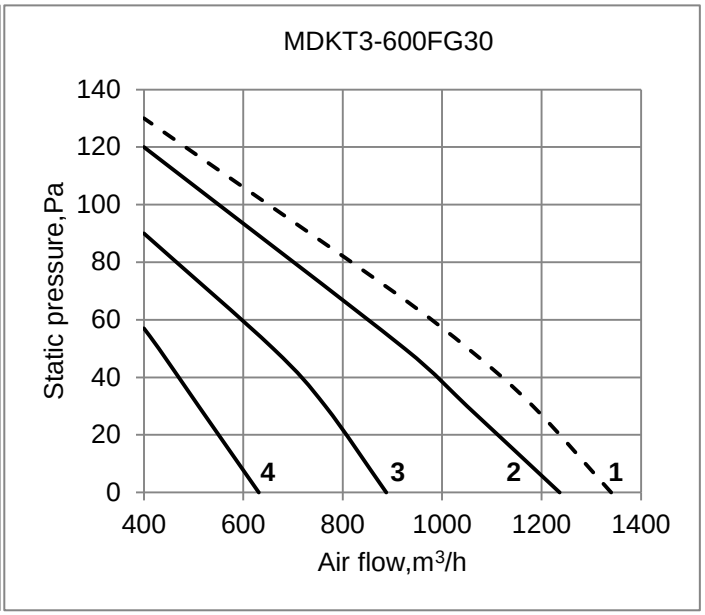
MDKT3-300FG30

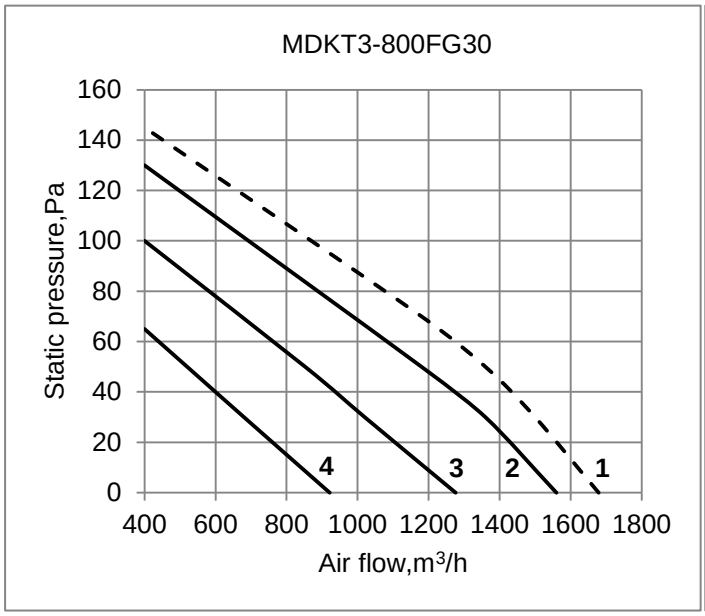


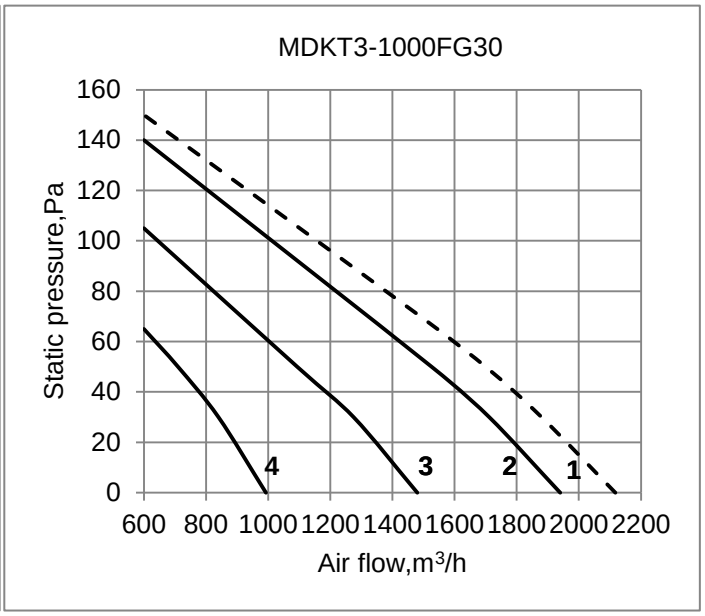
MDKT3-400FG30

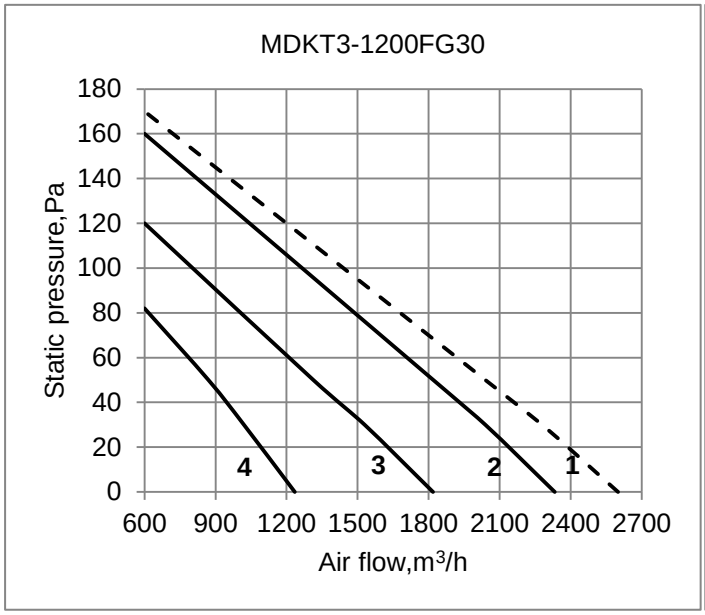


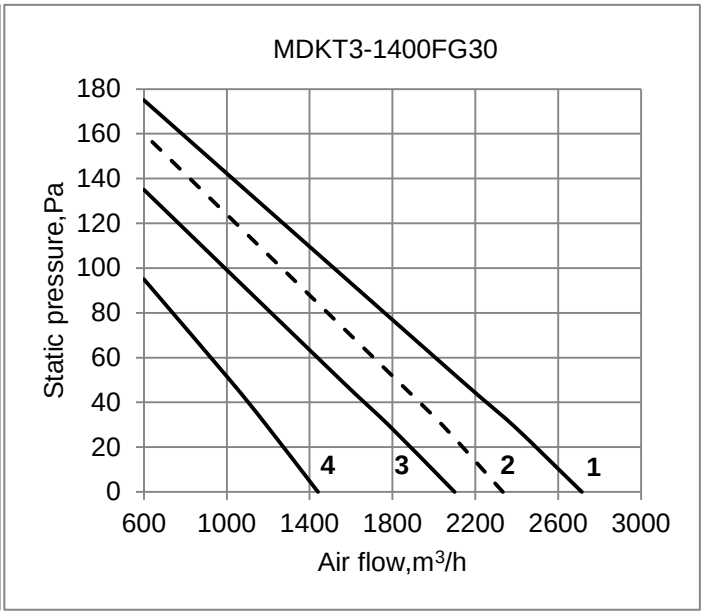

MDKT3-500FG30
Static pressure,Pa
Air flow,m3/h
120
100
80
60
40
20
0
400
600
800
1000
1200
1400
4
3
2
1


MDKT3-600FG30
Static pressure,Pa
Air flow,m3/h
140
120
100
80
60
40
20
0
400
600
800
1000
1200
1400
4
3
2
1

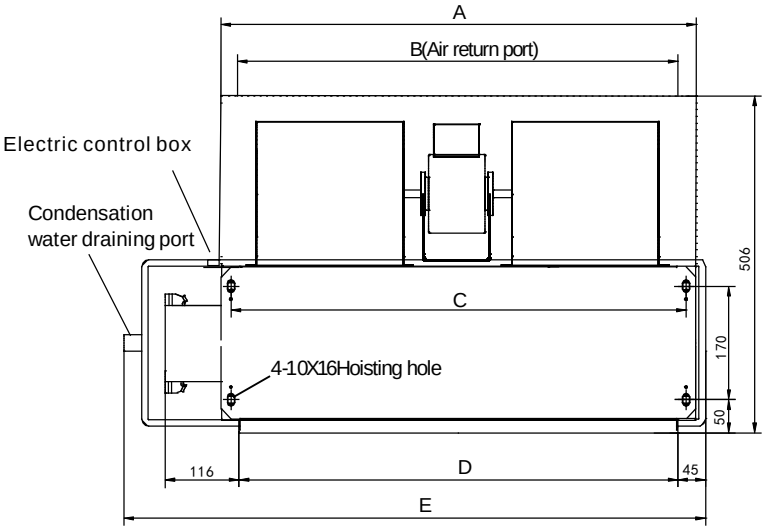

MDKT3-800FG30
Static pressure,Pa
Air flow,m3/h
160
140
120
100
80
60
40
20
0
400
600
800
1000
1200
1400
1600
1800
4
3
2
1

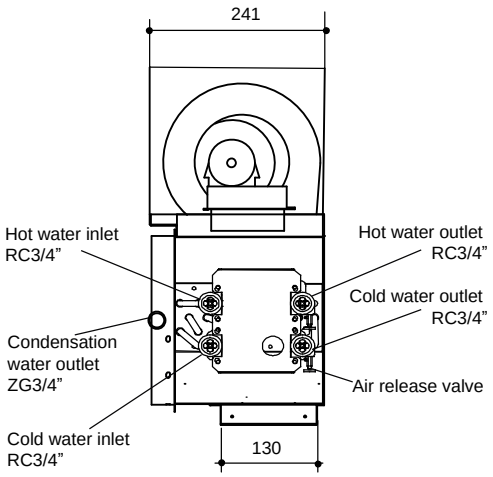

MDKT3-1000FG30
Static pressure,Pa
Air flow,m3/h
160
140
120
100
80
60
40
20
0
600
800
1000
1200
1400
1600
1800
2000
2200
4
3
2
1


MDKT3-1200FG30
Static pressure,Pa
Air flow,m3/h
180
160
140
120
100
80
60
40
20
0
600
900
1200
1500
1800
2100
2400
2700
4
3
2
1


MDKT3-1400FG30
Static pressure,Pa
Air flow,m3/h
180
160
140
120
100
80
60
40
20
0
600
1000
1400
1800
2200
2600
3000
4
3
2
1

12.2.2 Sample unit specification figure



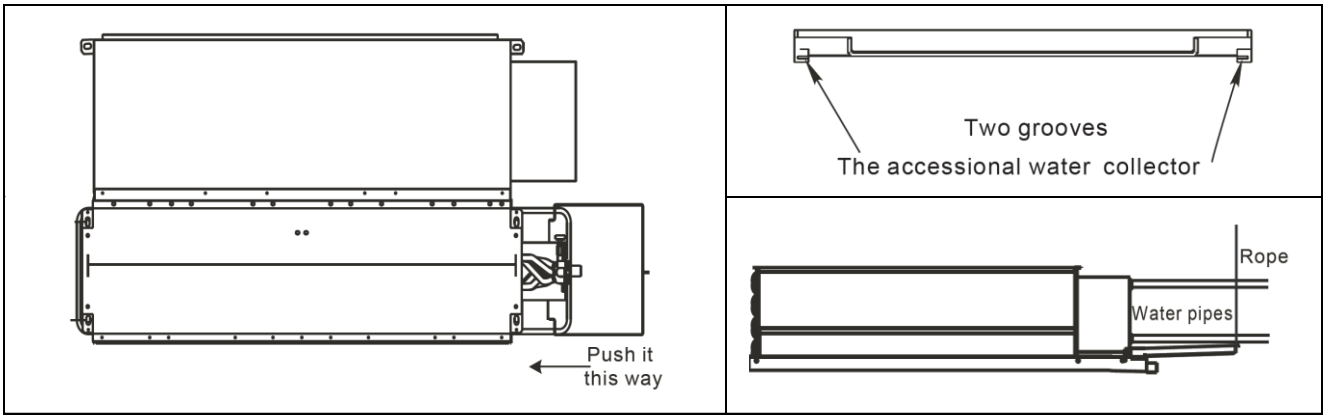


Model	200-Model	300-Model	400-Model 500-Model	600-Model	800-Model	1000-Model	1200-Model	1400-Model
A	547	647	747	967	1267	1372	1662	1828
B	513	613	713	933	1233	1338	1628	1794
C	485	585	685	905	1205	1310	1600	1766
D	757	812	912	1135	1435	1540	1830	1992

Unit: mm

12.3 Connect the accessional water collector (no air return box type without)

- The grooves of the accessional water collector can be locked at the brim of the main water collector.



- Please hang up the accessional water collector to the pipes or ceiling by a rope.

12.4 Pipes Connection

- With air release valve, the other side is water inlet pipe.
- When connect water collector, set the tightening torque to 6180~7540N.cm (630~770kgf.cm), and use a spanner to tighten it as shown in 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.