



turn to the experts



Slim Comfort Line – Standard Cooling Hydronic Fan Coil Units Solutions

Technical Manual



Ceiling Concealed Ducted Medium Static Pressure 30 / 50 Pascal Hydronic Fan Coil Units

3 Rows – 2 Pipe System	200 cfm ~ 1400 cfm
4 Rows – 2 Pipe System	200 cfm ~ 2000 cfm



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1. Introduction

MKT3 standard cooling slim comfort line, low height ceiling concealed, medium static pressure ducted hydronic fan coil units – 3 rows coil are available in :

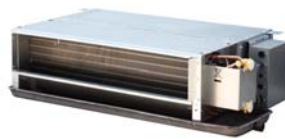
- (1) 9 (nine) sizes
- (2) Airflow range from 200 CFM to 1400 CFM with 30 Pascal Standard Static Pressure (ESP).
- (2) Cooling capacity range from 2.42 KW to 11.03 KW
- (3) Heating capacity range from 3.30 KW to 15.39 KW

MKT4 standard cooling slim comfort line low height ceiling concealed, medium static pressure ducted hydronic fan coil units – 4 rows coil are available in :

- (1) 11 (eleven) sizes
- (2) Airflow range from 200 CFM to 2000 CFM with 30 Pascal Standard Static Pressure (ESP)
- (3) Airflow range from 1500 CFM to 2000 CFM with 50 Pascal External Static Pressure (ESP)
- (4) Cooling capacity range from 2.25 KW to 16.91 KW
- (5) Heating capacity range from 3.30 KW to 23.42 KW

Each unit is designed to occupy a minimum space. Piping and drain connections are readily accessible and mounting holes and slots are pre-drilled to save installation time and field labor expense.

Miraco – Carrier® chilled water fan coil are designed and manufactured on the base of advanced technology, and utilize qualified galvanized sheet metal 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.



**Slim
Design**



**Efficient
AMS**



Durability



**Efficient Washable
Aluminum Filters**



**Efficient
Coil**



**Easy & Flexible
Installation**



**Fresh
Air**



**Hydrophillic
Aluminum Fans**



**Easy Fast
Service & Maintenance**



**Efficient
Operation**



**Super
Quiet**



**Variety of Optional
Accessories**



**Medium Static
Pressure**



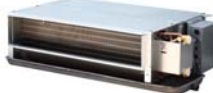
**Super
Safety Protections**

2. Product Features



Super Compact Slim Technology

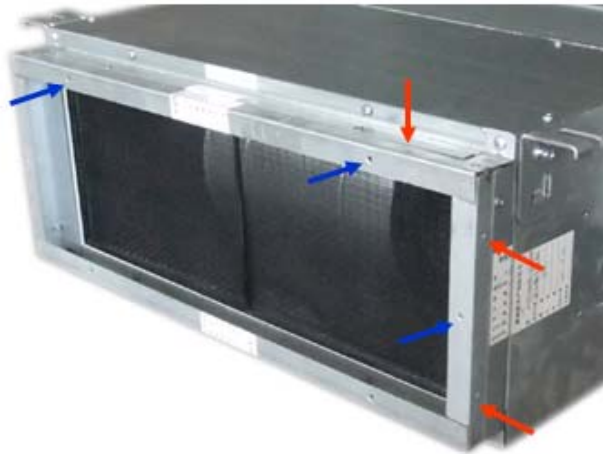
- Compact with reduced footprint and overall small dimensions guarantee a wide selection of installation solutions.
- Slim with low height designed for concealed ceiling installation above low false ceiling with ducted supply air distribution and free air above false ceiling.

MKT3 Series – 3 Rows Coil		MKT4 Series – 4 Rows Coil	
200 cfm 757 x 241 x 506		200 cfm 757 x 241 x 506	
300 cfm 812 x 241 x 506		300 cfm 812 x 241 x 506	
400-500 cfm 912 x 241 x 506		400-500 cfm 912 x 241 x 506	
600 cfm 1135 x 241 x 506		600 cfm 1135 x 241 x 506	
800 cfm 1435 x 241 x 506		800 cfm 1435 x 241 x 506	
1000 cfm 1540 x 241 x 506		1000 cfm 1540 x 241 x 506	
1200 cfm 1830 x 241 x 506		1200 cfm 1830 x 241 x 506	
1400 cfm 1992 x 241 x 506		1400 cfm 1992 x 241 x 506	
		1500 cfm 1369 x 342 x 612	
		2000 cfm 1500 x 342 x 612	

Product Features (Cont.)



Efficient Washable Aluminum Filters



Fresh Air

- Fresh air provision makes life healthier and more comfortable.



Reserved fresh
air position

Product Features (Cont.)



Efficient Operation

Superior air distribution performance : Three fan speeds with external static pressure up to 30 / 50 Pa as per the model to satisfy air flow and static pressure requirements to suit various applications.

30/50
Pa

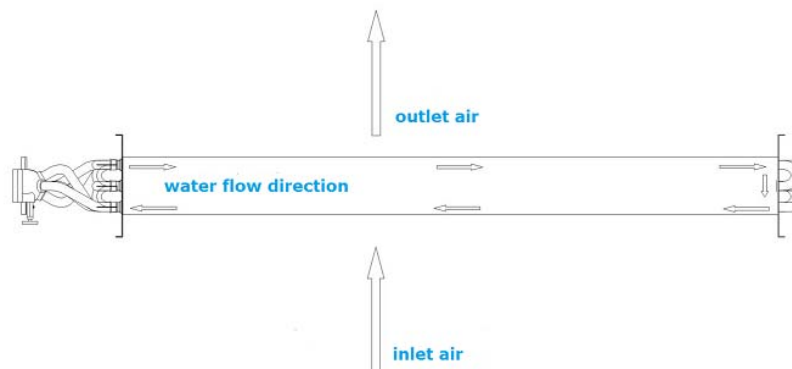
Efficient Air Management System (AMS) leading to maximum air flow with minimum turbulence for minimum air resistance, smooth airflow and efficient operation.



Carrier innovative double inlet, double width forward curved centrifugal blower technology for efficient operation.



Efficient coil with counter cross flow design (contranatatant flow type) made of precoated hydrophilic aluminum fins mechanically bonded to smooth copper tubes 3/8 inch for superior heat transfer.



Precoated Hydrophilic Aluminum Fins of coil to protect the coil against corrosion and to allow easy and quick removal of unrestricted condensate water between the fins to increase airflow, improve efficiency of heat exchange and accelerate cooling process.



Wider external static pressure supplying. Three external static pressure settings (30Pa / 50Pa) for added flexibility to satisfy air flow and static pressure requirements to suit various applications.

30Pa external static pressure is factory standard.

50Pa external static pressure can be customized (Field converted).

Eurovent certified performance. You can get the Eurovent information of our products from the website :

<http://www.eurovent-certification.com>



Product Features (Cont.)



Efficient Operation

- High efficiency 4 (four) speeds fan motor operates with actual 3 (three) speeds and one speed is reserved to suit various application.
- Three 4 (four) motor speeds are as follows :
 Super High Fan Speed : Black wire
 High Fan Speed : Orange wire
 Medium Fan Speed : Blue wire
 Low Fan Speed : Yellow wire
- The actual applicable 3 (three) motor speeds are as follows :

Unit Series	Actual Applicable 3 (three) motor Speed	Reserved Motor Speed	Notes
MKT3-200 ~ 1400 – G30	High : Orange Medium : Blue Low : Yellow	Super High : Black	Factory Standard
MKT4-200 ~ 1200 – G30	High : Orange Medium : Blue Low : Yellow	Super High : Black	Factory Standard
MKT4-1400–G30	Super High : Black Medium : Blue Low : Yellow	High : Orange	Factory Standard
MKT3-200 ~ 1400 – G50	Super High : Black Medium : Blue Low : Yellow	High : Orange	Field Converted
MKT4H-1500–G50 MKT4H-2000–G50	Super High : Black Medium : Blue Low : Yellow	High : Orange	Field Converted

Product Features (Cont.)

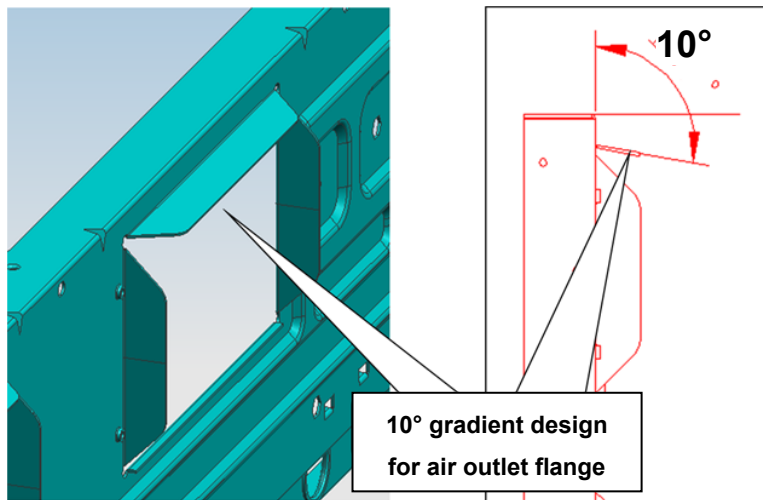


Super Quiet with Minimum Sound Level

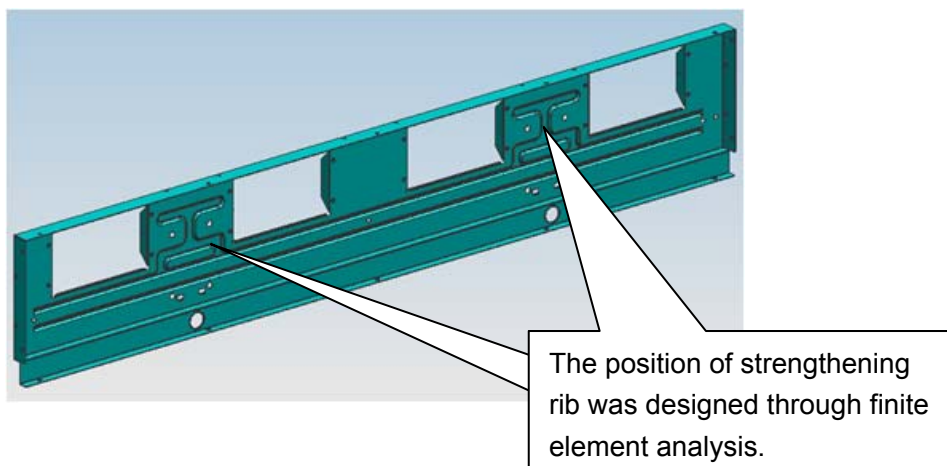
- Patent newly designed sound minimized Air Management System (AMS)
Provides noise-free operation.
- Carrier blower fan technology with forward curved centrifugal Plastic blowers of double outlet type directly driven by 3-speeds totally enclosed and high efficiency fan motor for smooth, uniform air flow distribution and super quiet operation.
- Statically and dynamically balanced blowers to ensure quiet operation.
- Plastic blower housing for super quiet operation.



- The gradient design for air outlet flange which has applied for patent has been authorized, it can solve the abnormal sound from fin efficiently.



- Optimized fan deck design through finite element analysis which strengthens sheet metal and minimizes vibrations for quiet operation.



Product Features (Cont.)

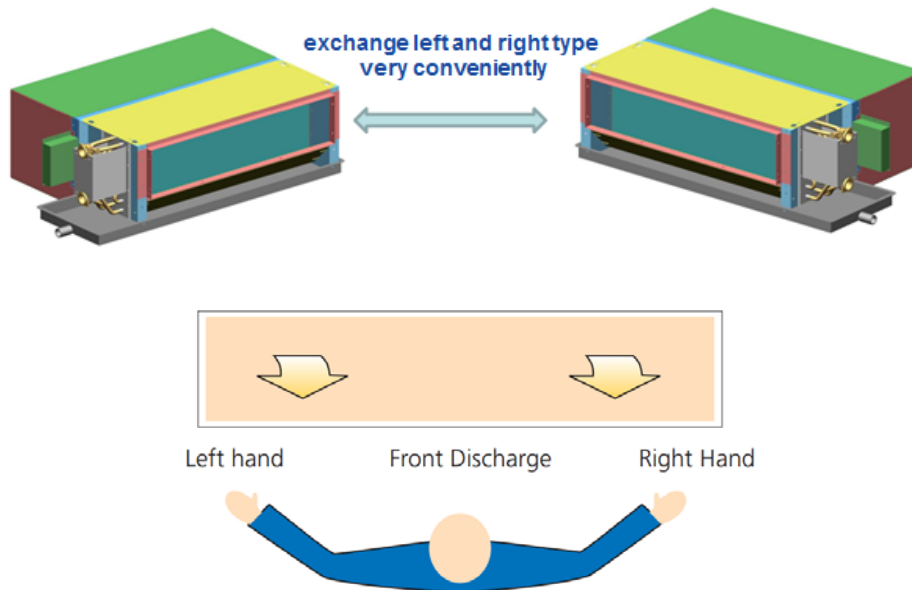


Easy and Flexible Installation

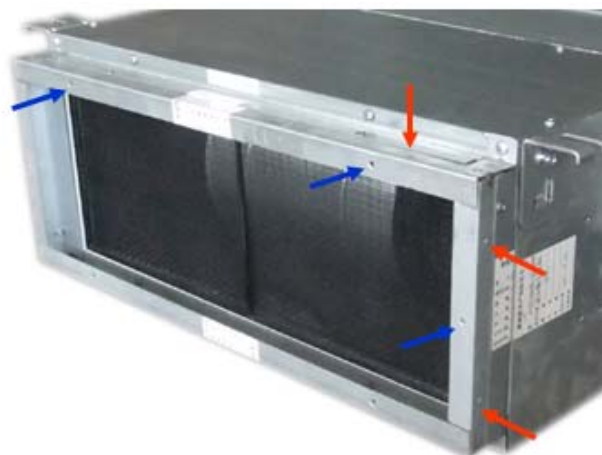
- Due to compact dimensions and low weight, the installation on the ceiling is faster and extremely easy. Mounting slots on the top of the unit facilitate installation.



- Flexibility of unit piping connections
Right hand piping connections (when facing unit supply air) is factory standard.
Piping connections can be only factory converted from right hand to left hand.



- Standard return air plenum complete with air filters. Air inlet and air outlet both with flange.
Connection type for duct and flange is optional. Duct can be connected with air outlet flange in two different directions, as shown in below figure , the connection type can be in red arrowhead way or in blue arrowhead way



Product Features (Cont.)



Easy and Flexible Installation (Cont.)

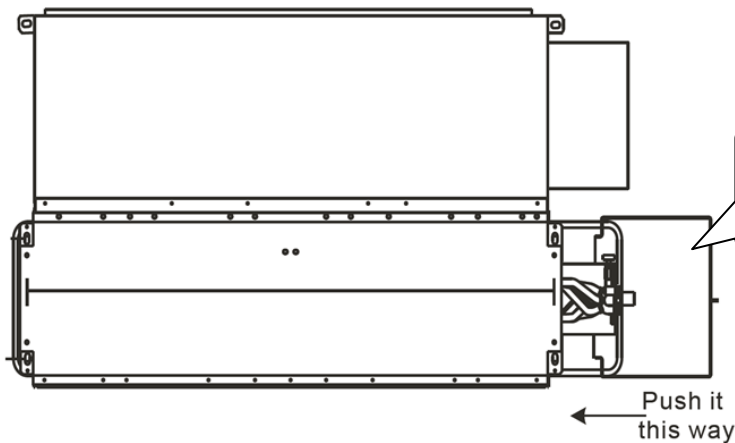
- Standard integral high pitched main drain pan extends under coil connections and minimizes wet surface and residual water during off cycles and inhibits the growth of bacteria that may cause smells.



**Standard
Main Drain Pan**

- Standard auxiliary plastic drain pan to receive the condensate water dripping from the water piping and valve connections.

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



**Standard
Auxiliary
Plastic Drain Pan**



**Standard
Auxiliary
Plastic Drain**

Product Features (Cont.)



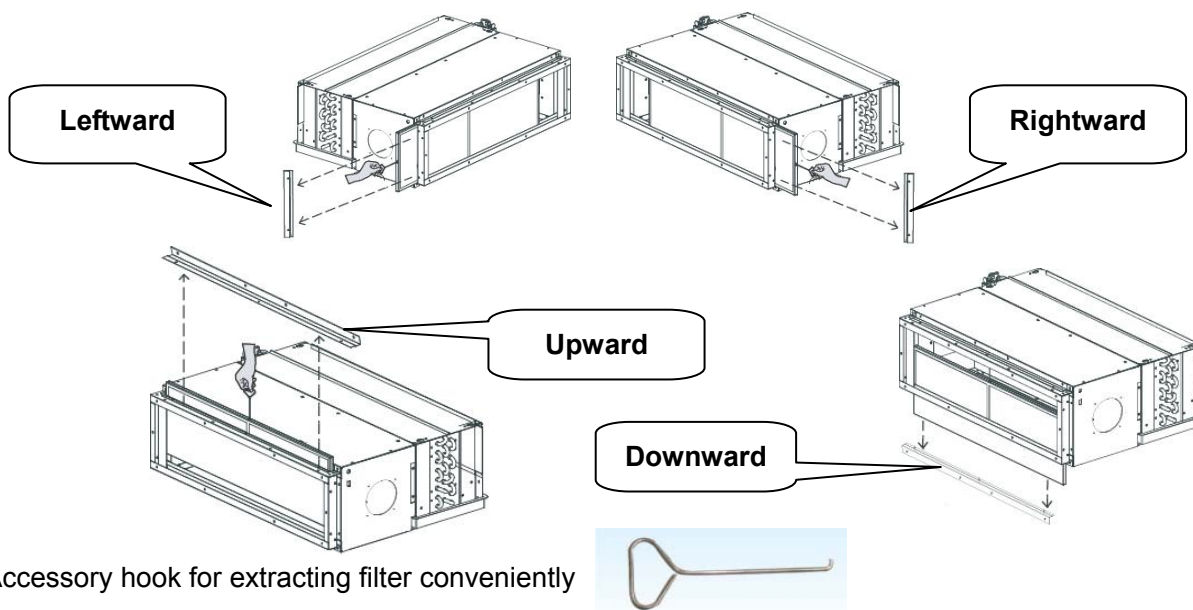
Easy Fast Service and Maintenance

Easy accessibility to all key components and washable air filters.

Common spare parts across product family.

Easy removal of washable aluminum air filters for cleaning.

Filter can be extracted in upward / downward / leftward / rightward way



Super Safety Protections

- B-class insulation for fan motor windings.
- Internal thermal protector to protect the fan motor against excessive temperature.
- Internal pressure interrupter to protect the motor capacitor against short-circuiting.
- Comply with CE safety standards.

Durability

Anti-rust, weather proof and long life indoor unit sheet metal parts made of chemically treated and zinc coated (galvanized) sheet metal.



Drain pan is designed to protect against rust, to minimize wet surface and residual water during off cycles and to inhibit bacteria growth that may cause smells.



Variety of Optional Accessories

Optional Smart Wired Controller with complete control and safety functions built in the control. Wired Controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes the control more convenient.

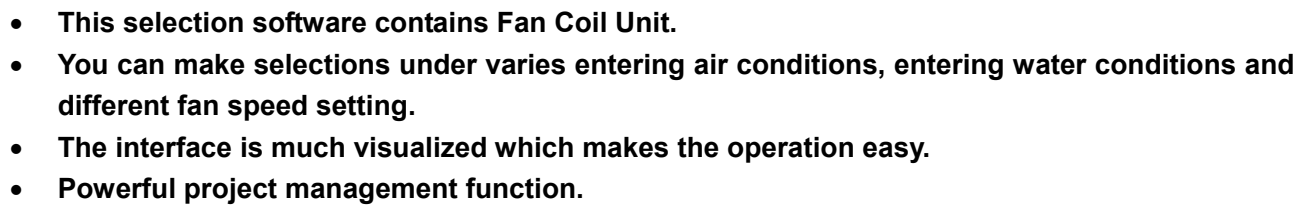


Optional Smart LCD infrared wireless remote control with complete control and safety functions built in the control system to ensure efficiency and safety at all operating conditions.



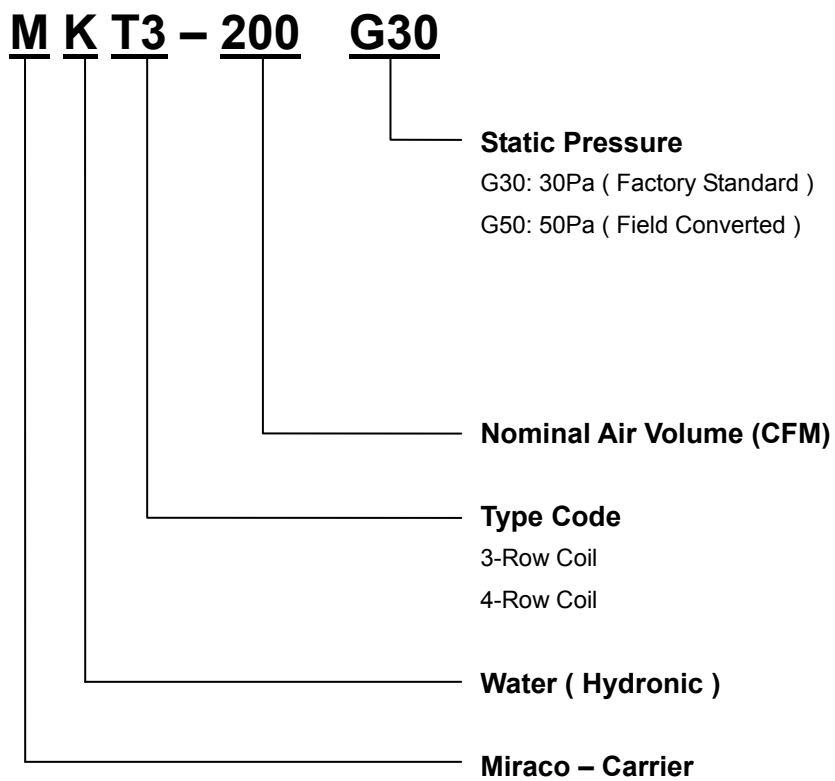
Features

Features

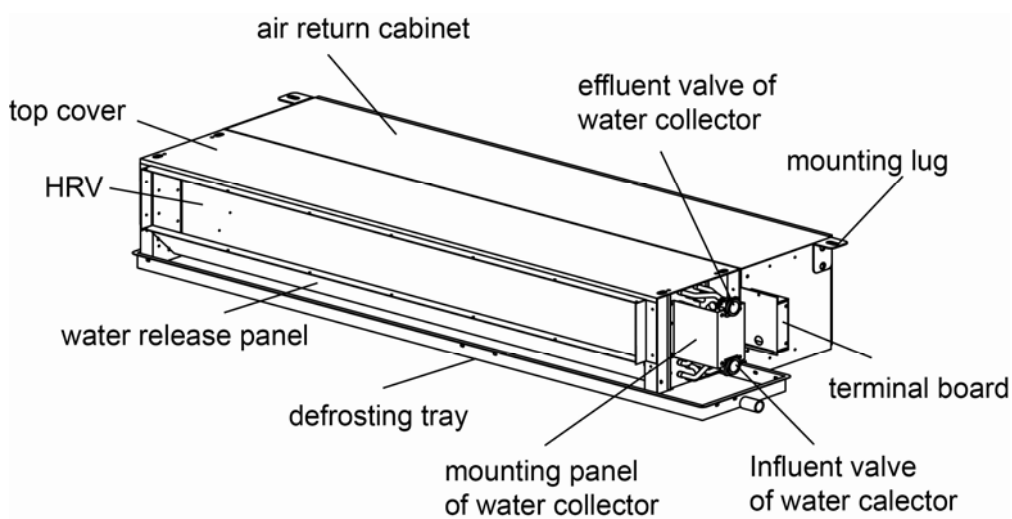
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4. Unit Model Identification & Unit Description

4.1 Unit Model Description



4.2 Unit Description



5. Product Schedule

Model	Static pressure (Pa)	Air volume (CFM)	Power supply
MKT3-200G30	30	200	220~240V-1Ph-50Hz
MKT3-300G30		300	
MKT3-400G30		400	
MKT3-500G30		500	
MKT3-600G30		600	
MKT3-800G30		800	
MKT3-1000G30		1000	
MKT3-1200G30		1200	
MKT3-1400G30		1400	
MKT3-200G50	50	200	220~240V-1Ph-50Hz
MKT3-300G50		300	
MKT3-400G50		400	
MKT3-500G50		500	
MKT3-600G50		600	
MKT3-800G50		800	
MKT3-1000G50		1000	
MKT3-1200G50		1200	
MKT3-1400G50		1400	

Model	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	

Model	Static pressure (Pa)	Air volume (CFM)	Power supply
MKT4H-1500G50	50	1500	220~240V-1Ph-50Hz
MKT4H-2000G50		2000	

6. External Appearance



Right Hand (Factory Standard)



Left Hand

7. Technical Specifications

7.1 MKT3 Series – 3 Rows Coil – 2 Pipe System

Model			MKT3-200G30	MKT3-300G30	MKT3-400G30	MKT3-500G30	MKT3-600G30
			MKT3-200G50	MKT3-300G50	MKT3-400G50	MKT3-500G50	MKT3-600G50
Air Flow	High	m³/h	414	510	680	850	1020
		CFM	243	300	400	500	600
	Med	m³/h	255	385	510	640	765
		CFM	150	225	300	375	450
	Low	m³/h	170	255	340	425	510
		CFM	100	150	200	250	300
Cooling Capacity		KW	2.42	3.26	3.76	4.10	5.37
Heating Capacity		KW	3.30	4.35	4.35	5.74	7.34
Standard External Static Pressure		Pa	30/50				
Power Input	30Pa	W	49	64	75	93	114
	50Pa	W	51	76	89	111	128
Sound pressure level (Hi/Med/Lo)	30Pa	dB(A)	34/29/25	35/31/25	33/29/22	36/32/26	37/32/26
	50Pa	dB(A)	37/32/27	39/32/26	41/38/32	41/38/32	41/36/30
Electric heater capacity (option)		W	500	600	1000	1000	1500
Water Flow		l/min	6.9	9.3	10.8	11.8	15.4
Water Pressure Drop		kPa	14	26	18	24	36
Fan Motor	Type		Low sound 4-speed fan motor				
	Model (30Pa)		YDK19-4H	YSK29-4H	YSK32-4H	YSK42-4H	YSK45-4H
	Model (50Pa)		YDK19-4H	YSK29-4H	YSK32-4H	YSK42-4H	YSK45-4H
	Quantity		1	1	1	1	1
Fan	Type		Direct Drive Centrifugal, forward-curved Blades				
	Quantity		1	2	2	2	2
Coil	Material		Smooth Copper Tubes / Aluminum Fins				
	Tube Diameter	mm	Φ9.52				
	Rows		3				
	Tube pitch(a)x row pitch(b)	mm	25.4×22				
	Fin spacing	mm	2.2				
	Fin type		Hydrophilic aluminum				
	Coil length x height x width	mm	485×216×66	585×216×66	685×216×66	685×216×66	905×216×66
	Max. Working Pressure	MPa	1.6				
	Circuits		2	3	3	3	3
Unit	Air Filter	Type	Washable Aluminum Filter				
	Net Dimensions (W×H×D)	mm	757×241×506	812×241×506	912×241×506	912×241×506	1135×241×506
	Net Weight	kg	17.5	21	23	23	27
	Packing Size (W×H×D)	mm	806×265×558	871×265×558	971×265×558	971×265×558	1185×265×558
	Gross Weight	kg	19.5	23.5	25.5	25.5	29.5
Pipe Connections	Water-inlet pipe	Inch	RC3/4"				
	Water-outlet pipe	Inch	RC3/4"				
	Drain pipe	mm	ODΦ24				

Note:

1. The data is the performance in high speed with relevant static pressure.
2. 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.
3. Sound is tested in full-anechoic test room, sound pressure @ 1.4 meters.

Technical Specifications (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

Model			MKT3-800G30	MKT3-1000G30	MKT3-1200G30	MKT3-1400G30
			MKT3-800G50	MKT3-1000G50	MKT3-1200G50	MKT3-1400G50
Air Flow	High	m³/h	1360	1700	2040	2131
		CFM	800	1000	1200	1254
	Med	m³/h	1020	1275	1530	1785
		CFM	600	750	900	1050
	Low	m³/h	680	850	1020	1190
		CFM	400	500	600	700
Cooling Capacity		KW	7.61	8.43	9.70	11.03
Heating Capacity		KW	9.98	11.96	13.49	15.39
Standard External Static Pressure		Pa	30/50			
Power Input	30Pa	W	154	180	220	278
	50Pa	W	174	225	271	335
Sound pressure level (Hi/Med/Lo)	30Pa	dB(A)	36/31/24	40/35/28	43/39/35	40/36/31
	50Pa	dB(A)	41/35/29	39/35/28	43/39/35	42/40/37
Electric heater capacity (option)		W	2000	2000	3000	3000
Water Flow		l/min	21.8	24.2	27.8	31.6
Water Pressure Drop		kPa	39	32	39	45
Fan Motor	Type		Low sound 4-speed fan motor			
	Model (30Pa)		YSK33-4H	YSK37-4H	YSK52-4H	YSK52-4H
	Model (50Pa)		YSK33-4H	YSK37-4H	YSK52-4H	YSK52-4H
	Quantity		2	2	2	2
Fan	Type		Direct Drive Centrifugal, forward-curved Blades			
	Quantity		4	4	4	4
Coil	Material		Smooth Copper Tubes / Aluminum Fins			
	Tube Diameter	mm	Φ9.52			
	Tube Rows		3			
	Tube pitch(a)x row pitch(b)	mm	25.4×22			
	Fin spacing	mm	2.2			
	Fin type		Hydrophilic aluminum			
	Coil length x height x width	mm	1205×216×66	1310×216×66	1600×216×66	1766×216×66
	Max. Working Pressure	MPa	1.6			
	Circuits		4	5	6	6
Unit	Air Filter	Type	Washable Aluminum Filter			
	Net Dimensions (W×H×D)	mm	1435×241×506	1540×241×506	1830×241×506	1992×241×506
	Net Weight	kg	36	41.5	47.5	49.5
	Packing Size (W×H×D)	mm	1485×265×558	1590×265×558	1880×265×558	2046×265×558
	Gross Weight	kg	39.5	45	51.5	54.5
Pipe Connections	Water-inlet pipe	Inch	RC3/4"			
	Water-outlet pipe	Inch	RC3/4"			
	Drain pipe	mm	ODΦ24			

Note:

1. The data is the performance in high speed with relevant static pressure.
2. 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.
3. Sound is tested in full-anechoic test room, sound pressure @ 1.4 meters.

Technical Specifications (Cont.)

7.2 MKT4 Series – 4 Rows Coil – 2 Pipe System

Model				MKT4-200G30	MKT4-300G30	MKT4-400G30
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	2.25/1.82/1.37	3.15/2.55/1.85	3.99/3.43/2.60
	Water flow rate	H	l/min	6.45	9.03	11.4
	Water pressure drop	H	kPa	2.6	5	8.1
Heating	Capacity	H/M/L	kW	3.30/2.66/1.95	4.47/3.47/2.57	5.43/4.64/3.45
	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)	43/38/33	44/38/32	48/44/36
Electric heater capacity (option)			W	500	600	1000
Fan motor	Type			Low Sound 4-speed fan motor		
	Quantity			1	1	1
Fan	Type			Direct Drive Centrifugal, forward-curved Blades		
	Quantity			1	2	2
Coil	Material			Smooth Copper Tubes / Aluminum Fins		
	Rows			4		
	Max. Working pressure		MPa	1.6		
	Tube Diameter		mm	Φ9.52		
Unit	Air Filter		Type	Washable Aluminum Filter		
	Dimensions	W×H×D	mm	757×241×506	812×241×506	912×241×506
	Net weight		kg	17.5	20.5	23
	Packing	W×H×D	mm	806×265×558	871×265×558	971×265×558
	Gross weight		kg	19	23	26
Pipe connections	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°C CWB.
Heating conditions: entering water 50°C, enter air temperature 20°C, the same water flow as the cooling conditions.
4. Sound is tested in semi-anechoic test room, sound pressure @ 1.4 meters.

Technical Specifications (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

Model				MKT4-500G30	MKT4-600G30	MKT4-800G30
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	4.41/3.99/3.24	6.23/5.4/4.32	7.36/6.61/4.88
	Water flow rate	H	l/min	12.6	17.9	21.1
	Water pressure drop	H	kPa	9.8	15.4	12.3
Heating	Capacity	H/M/L	kW	6.21/5.39/4.29	8.36/7.12/5.54	9.88/8.27/6.46
	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)	50/46/40	51/47/41	50/44/37
Electric heater capacity (option)			W	1000	1500	2000
Fan motor	Type			Low sound 4-speed fan motor		
	Quantity			1	1	2
Fan	Type			Direct Drive Centrifugal, forward-curved Blades		
	Quantity			2	2	4
Coil	Material			Smooth Copper Tubes / Aluminum Fins		
	Rows			4		
	Max. Working pressure		MPa	1.6		
	Tube Diameter		mm	Φ9.52		
Unit	Air Filter		Type	Washable Aluminum Filter		
	Dimensions	W×H×D	mm	912×241×506	1135×241×506	1435×241×506
	Net weight		kg	23	30	36
	Packing	W×H×D	mm	971×265×558	1185×265×558	1485×265×558
	Gross weight		kg	26	33	39.5
Pipe connections	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. Sound is tested in semi-anechoic test room, sound pressure @ 1.4 meters.

Technical Specifications (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

Model				MKT4-1000G30	MKT4-1200G30	MKT4-1400G30
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	9.5/8.09/6.72	11.48/9.74/7.85	11.98/9.85/7.95
	Water flow rate	H	l/min	27.2	32.9	34.3
	Water pressure drop	H	kPa	18	21.2	24.7
Heating	Capacity	H/M/L	kW	13.07/10.86/8.89	15.39/13.08/10.12	16.10/13.08/10.23
	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)	53/47/42	54/49/43	56/50/44
Electric heater capacity (option)			W	2000	3000	3000
Fan motor	Type		Low sound 4-speed fan motor			
	Quantity		2	2	2	
Fan	Type		Direct Drive Centrifugal, forward-curved Blades			
	Quantity		4	4	4	
Coil	Material		Smooth Copper Tubes / Aluminum Fins			
	Rows		4			
	Max. Working pressure		MPa	1.6		
	Tube Diameter		mm	Φ9.52		
Unit	Air Filter		Type	Washable Aluminum Filter		
	Dimensions	W×H×D	mm	1540×241×506	1830×241×506	1992×241×506
	Net weight		kg	41	46.5	50.5
	Packing	W×H×D	mm	1590×265×558	1880×265×558	2046×265×558
	Gross weight		kg	45.5	50.5	55
Pipe connections	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. Sound is tested in semi-anechoic test room, sound pressure @ 1.4 meters.

Technical Specifications (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

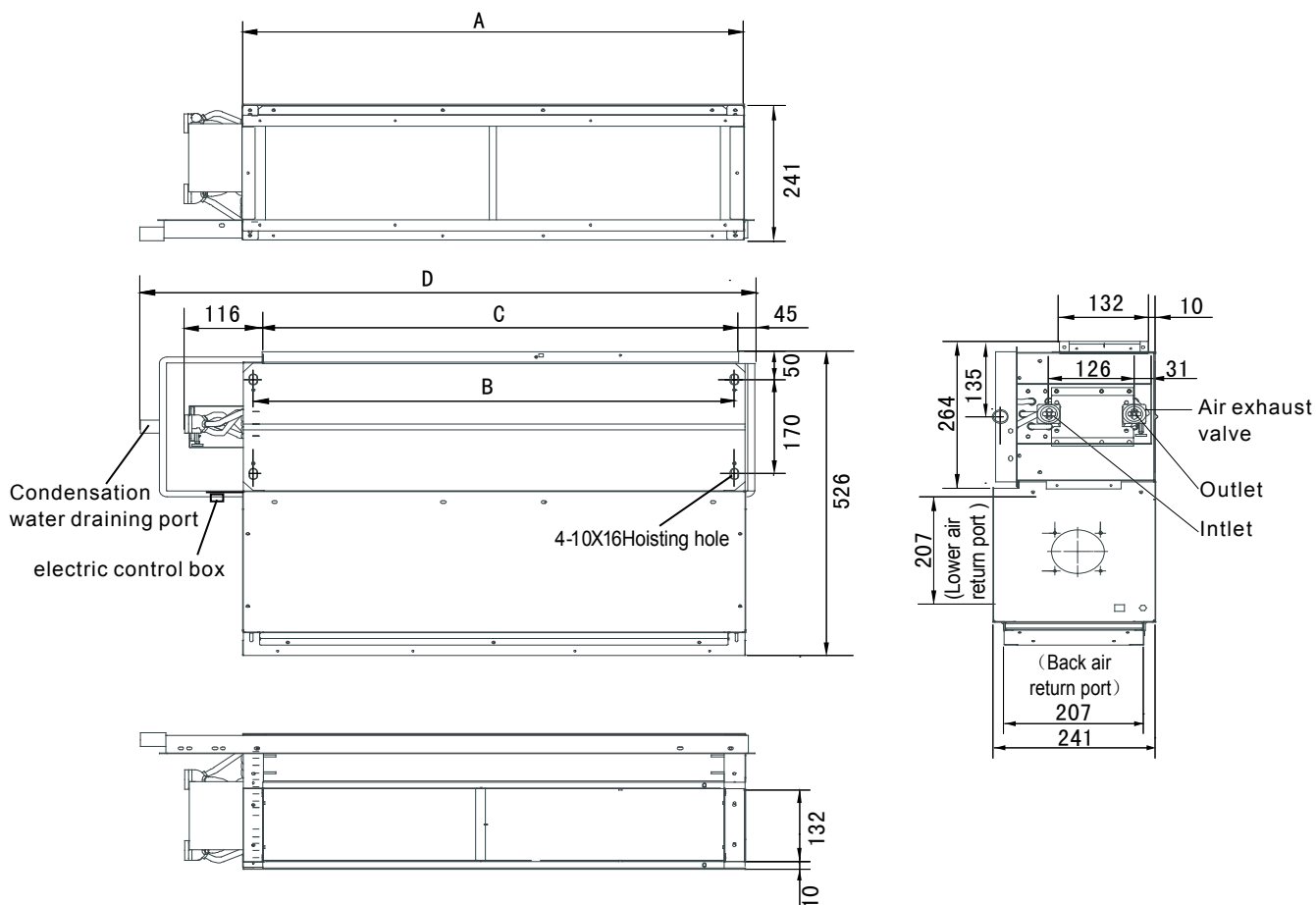
Model			MKT4-1500G50	MKT4-2000G50
Air Flow	High	m³/h	2550	3400
		CFM	1500	2000
	Med	m³/h	2100	2550
		CFM	1240	1500
	Low	m³/h	1300	1700
		CFM	760	1000
Cooling Capacity		KW	11.97	16.91
Heating Capacity		KW	16.80	23.42
External Static Pressure		Pa	50	50
Power Input		W	474	665
Sound pressure level (Hi/Med/Lo)		dB(A)	47/44/39	51/48/41
Water Flow		l/min	34.3	48.5
Water Pressure Drop		kPa	39	60
Electric heater capacity (option)		W	2400	3000
Fan Motor	Type		Low sound 4-speed fan motor	
	Quantity		1	1
Fan	Type		Direct Drive Centrifugal, forward-curved Blades	
	Quantity		2	3
Coil	Material		Smooth Copper Tubes / Aluminum Fins	
	Tube Diameter	Mm	ø 9.52	
	Row		4	
	Max. Working Pressure	MPa	1.6	
	Circuit		6	6
Unit	Air Filter	Type	Washable Aluminum Filter	
	Net Dim. (W×H×D)	mm	1369×342×612	1500×342×612
	Net Weight(with EAH)	kg	46	53.7
	Packing Size (W×H×D)	mm	1421×381×619	1552×381×619
	Gross Weight(with EAH)	kg	50	58.6
Pipe Connections	Water-inlet pipe	Inch	RC3/4"	
	Water-outlet pipe	Inch	RC3/4"	
	Drain pipe	mm	ODΦ24	

Note:

- The data is the performance in high speed with relevant static pressure.
- 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.
- Sound is tested in full-anechoic test room, sound pressure @ 1.4 meters.

8. Dimensions

8.1 MKT3 Series – 3 Rows Coil – 2 Pipe System

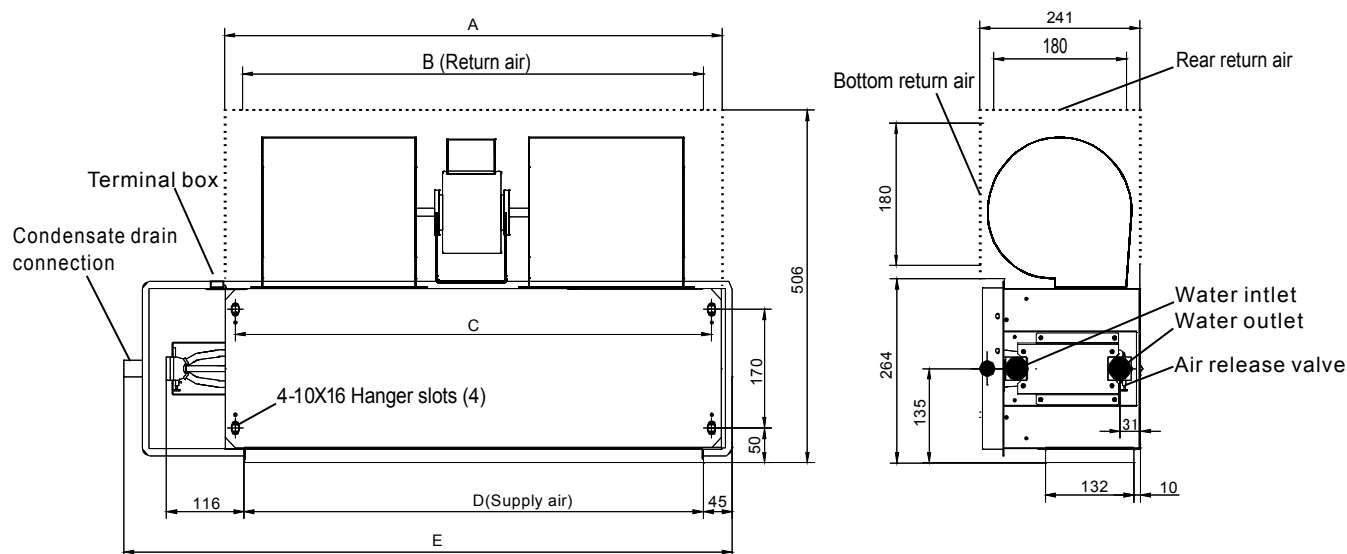


Unit: mm

Model Size	MKT3-200	MKT3-300	MKT3-400 MKT3-500	MKT3-600	MKT3-800	MKT3-1000	MKT3-1200	MKT3-1400
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

Dimensions (Cont.)

8.2 MKT4 Series – 4 Rows Coil – 2 Pipe System



Unit: mm

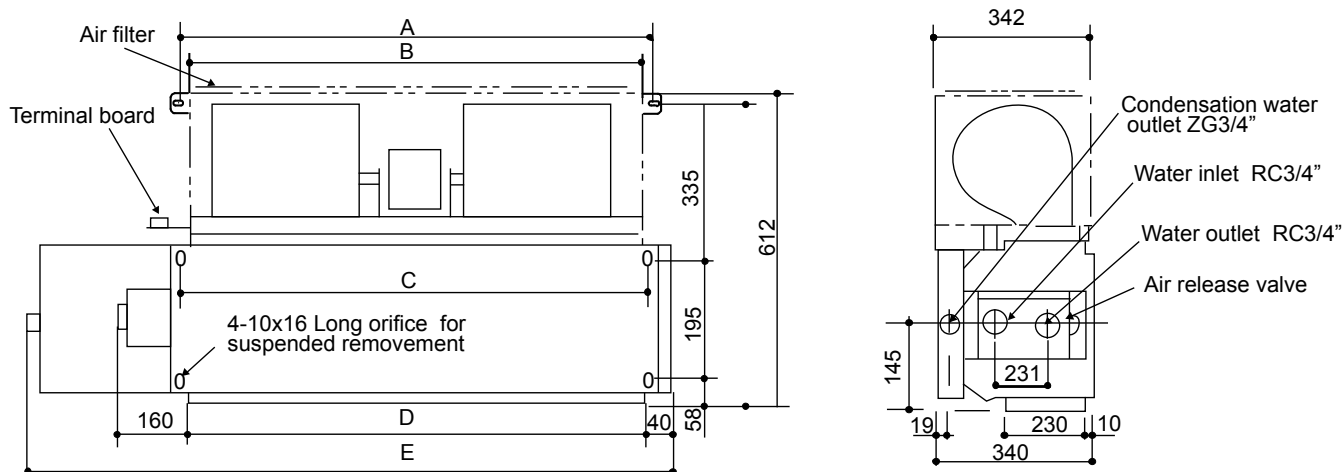
Model Size	MKT4-200	MKT4-300	MKT4-400 MKT4-500	MKT4-600	MKT4-800	MKT4-1000	MKT4-1200	MKT4-1400
A	547	647	747	967	1267	1372	1662	1828
B	515	615	715	935	1235	1340	1630	1796
C	513	613	713	933	1233	1338	1628	1794
D	485	585	685	905	1205	1310	1600	1766
E	757	812	912	1135	1435	1540	1830	1992

Note:

1. The dotted line in the figure is the dimension for air return plenum.
2. Units with air return plenum is standard, units without air return plenum can be customized.

Dimensions (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

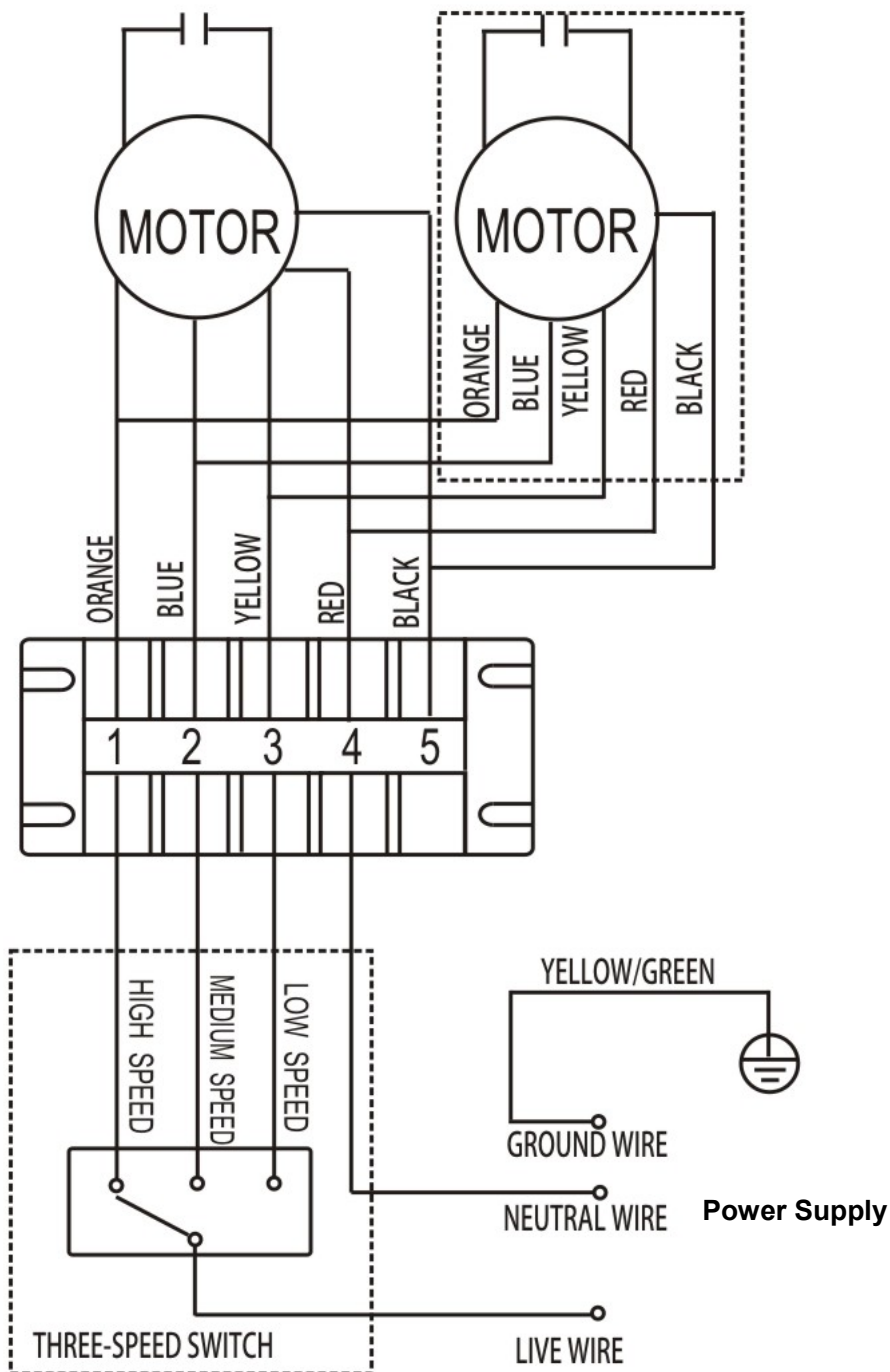


Unit: mm

Model Size	Unit: mm	
	MKT4-1500	MKT4-2000
A	1085	1277
B	1135	1327
C	1112	1308
D	1085	1277
E	1369	1500

9. Wiring Diagrams

9.1 MKT3-200G30; MKT3-300G30; MKT3-400G30; MKT3-500G30; MKT3-600G30; MKT3-800G30; MKT3-1000G30; MKT3-1200G30;



WARNING:

1. The actual applicable 3 (three) motor speeds are as follows :

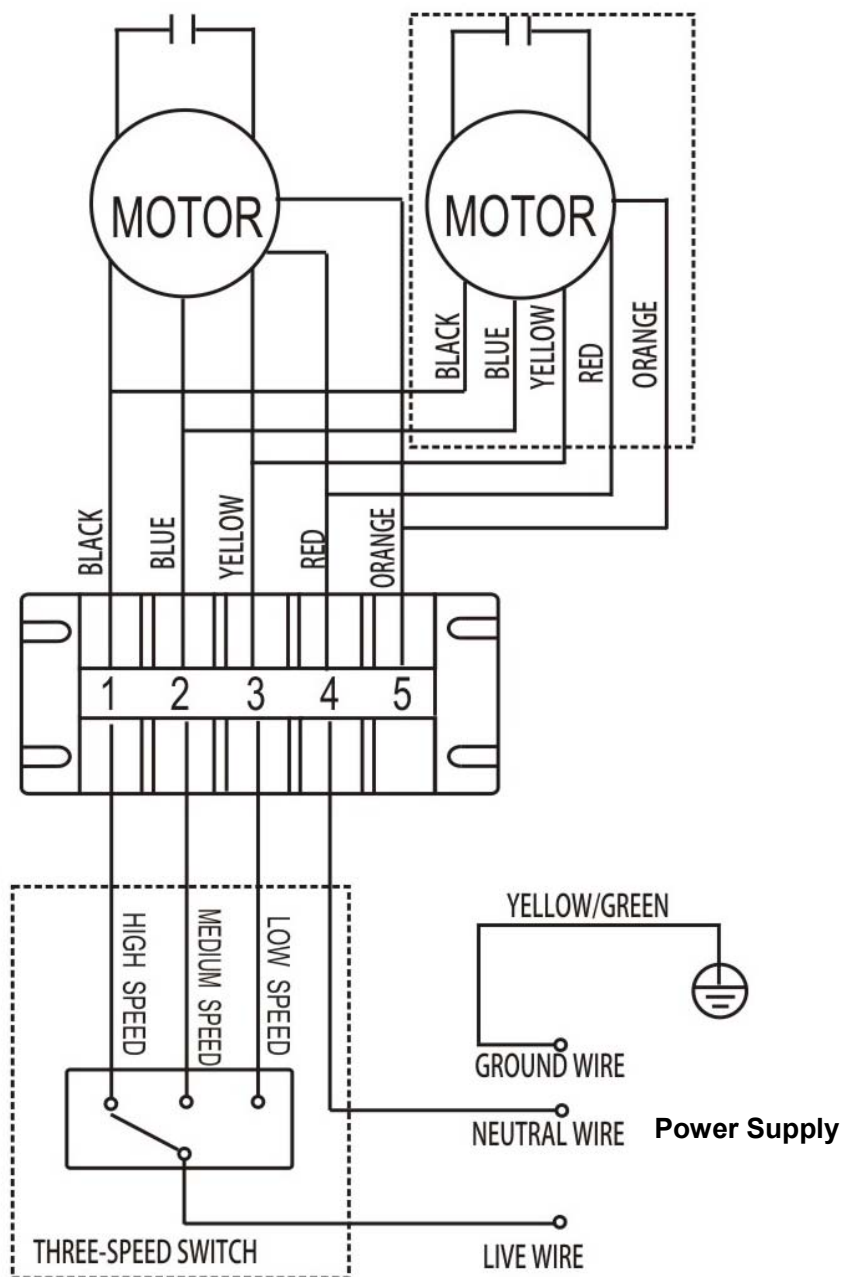
Actual Applicable 3 (three) Motor Speeds	Reserved Motor Speed
High Speed : Orange	Super Speed High : Black
Medium Speed : Blue	
Low Speed : Yellow	

2. Terminal 5 connects with reserved super high fan speed.

3. Please connect wires properly, or the motor would be burned-out.

Wiring Diagrams (Cont.)

9.2 MKT3-200G50; MKT3-300G50; MKT3-400G50; MKT3-500G50; MKT3-600G50; MKT3-800G50; MKT3-1000G50; MKT3-1200G50; MKT3-1400G30; MKT3-1400G50



WARNING:

1. The actual applicable 3 (three) motor speeds are as follows :

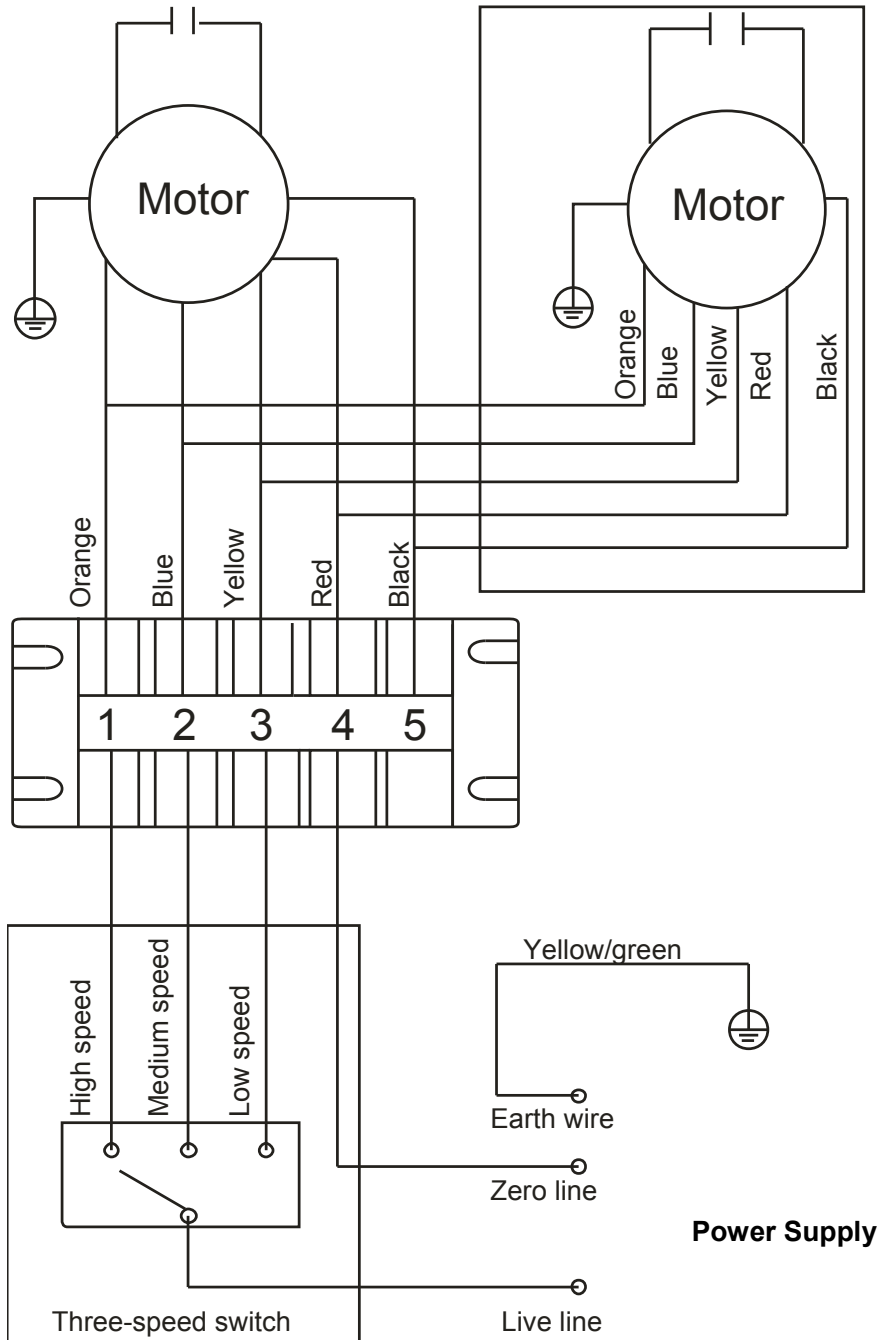
Actual Applicable 3 (three) Motor Speeds	Reserved Motor Speed
Super Speed High : Black	High Speed : Orange
Medium Speed : Blue	
Low Speed : Yellow	

2. Terminal 5 connects with reserved high fan speed.

3. Please connect wires properly, or the motor would be burned-out.

Wiring Diagrams (Cont.)

9.3 MKT4-200G30 MKT4-300G30 MKT4-400G30 MKT4-500G30 MKT4-600G30 MKT4-800G30
MKT4-1000G30 MKT4-1200G30



WARNING:

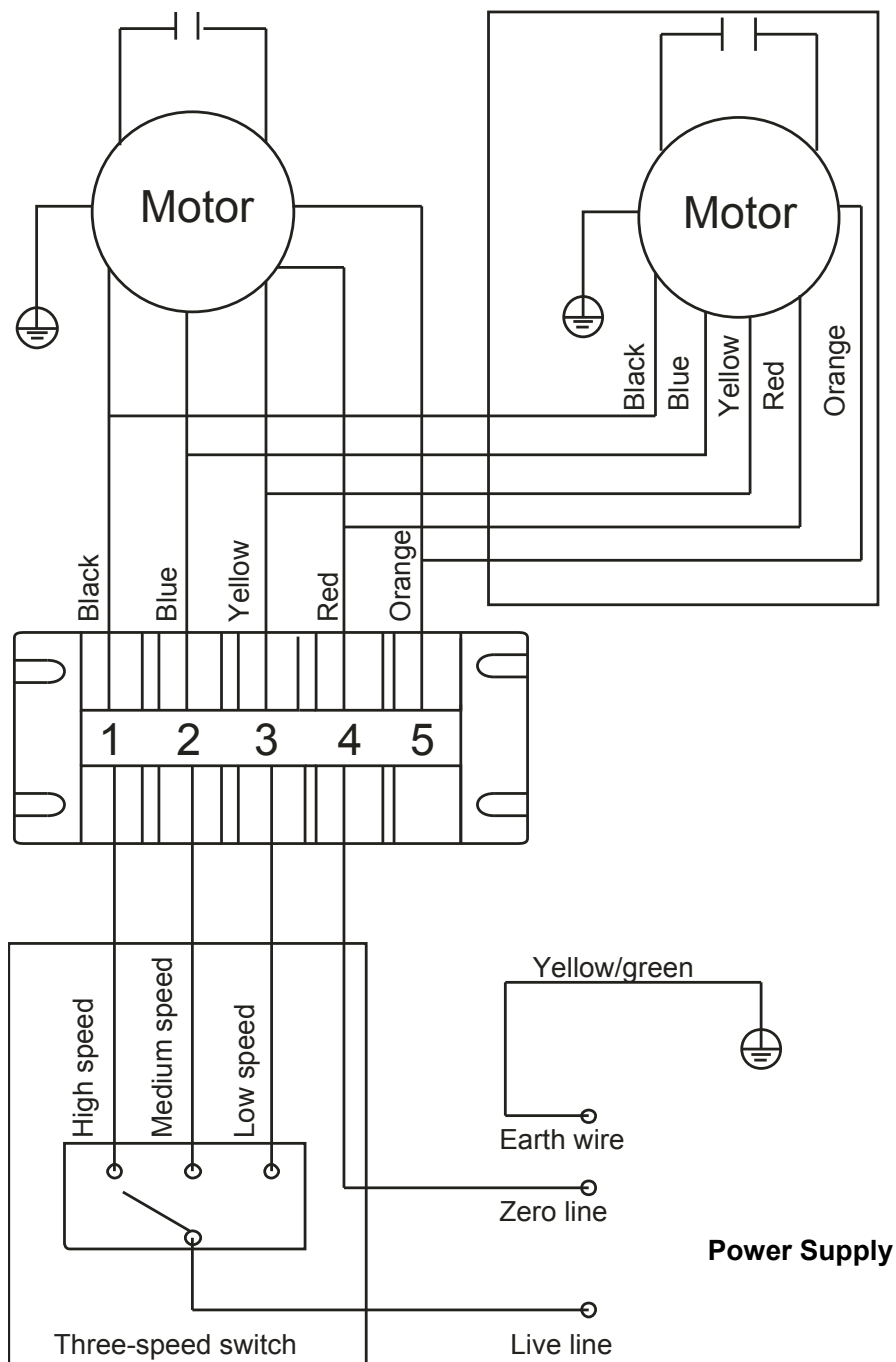
1. The actual applicable 3 (three) motor speeds are as follows :

Actual Applicable 3 (three) Motor Speeds	Reserved Motor Speed
High Speed : Orange	Super Speed High : Black
Medium Speed : Blue	
Low Speed : Yellow	

2. Terminal 5 connects with reserved super high fan speed.
3. Please connect wires properly, or the motor would be burned-out.

Wiring Diagrams (Cont.)

9.4 MKT4-1400G30



WARNING:

1. The actual applicable 3 (three) motor speeds are as follows :

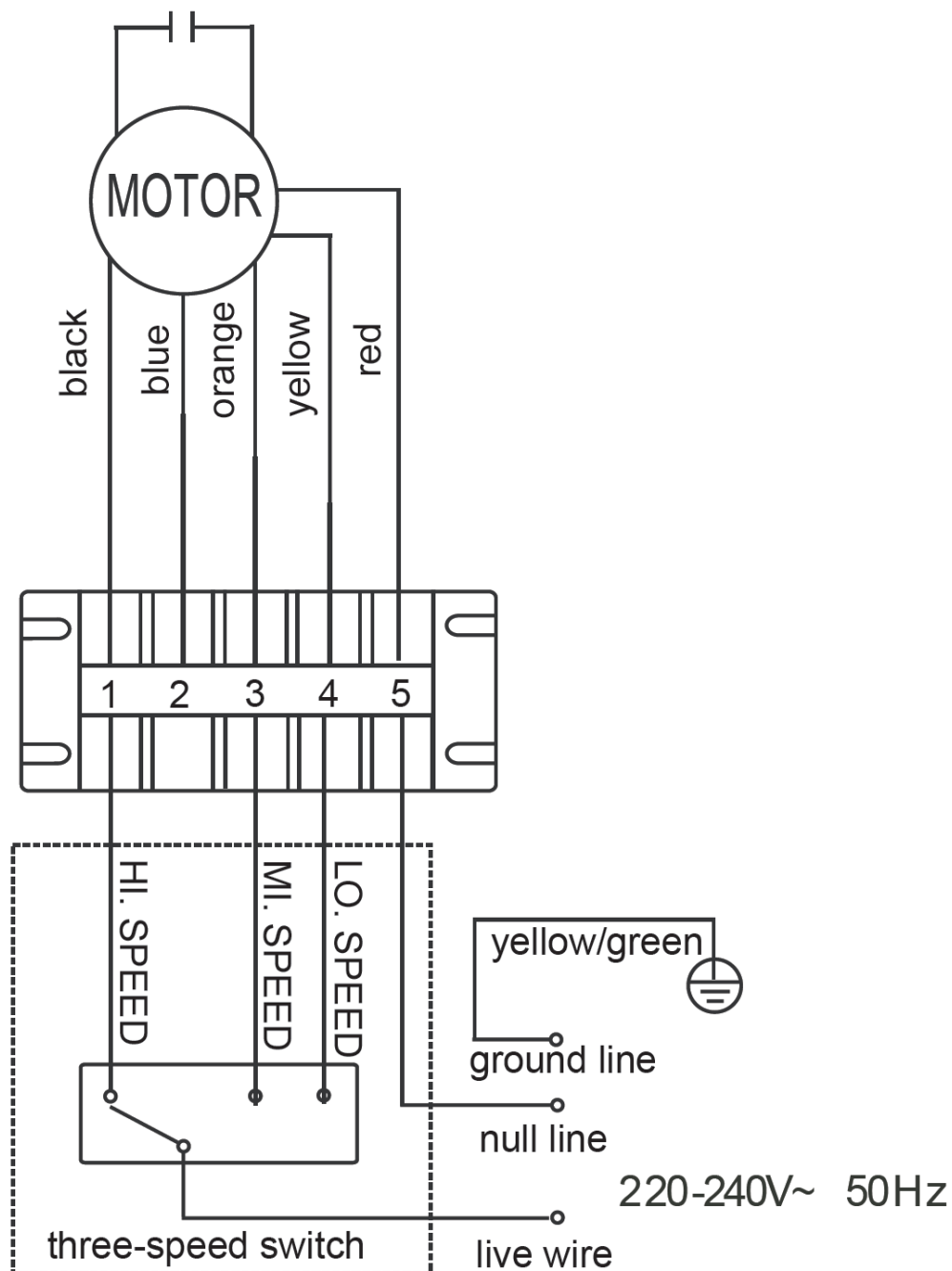
Actual Applicable 3 (three) Motor Speeds	Reserved Motor Speed
Super Speed High : Black	High Speed : Orange
Medium Speed : Blue	
Low Speed : Yellow	

2. Terminal 5 connects with reserved high fan speed.

3. Please connect wires properly, or the motor would be burned-out.

Wiring Diagrams (Cont.)

9.5 MKT4H-1500G50 MKT4H-2000G50



WARNING:

1. The actual applicable 3 (three) motor speeds are as follows :

Actual Applicable 3 (three) Motor Speeds	Reserved Motor Speed
Super Speed High : Black	High Speed : Orange
Medium Speed : Blue	
Low Speed : Yellow	

2. Terminal 5 connects with reserved high fan speed.

3. Please connect wires properly, or the motor would be burned-out.

10. Cooling Capacity

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-200G30 & MKT3-200G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	3.08	1.86	0.88	56.8	2.83	2.04	0.81	47.8	3.02	1.94	0.87	54.5	3.20	1.85	0.92	61.0	3.37	1.77	0.97	68.0
5	4	2.96	1.80	0.64	29.5	2.72	1.98	0.59	24.9	2.92	1.88	0.63	28.6	3.09	1.80	0.66	32.0	3.24	1.71	0.70	35.3
5	5	2.84	1.74	0.49	17.3	2.59	1.93	0.45	14.5	2.78	1.82	0.48	16.6	2.96	1.74	0.51	18.9	3.11	2.69	0.54	20.9
5	6	2.71	1.69	0.39	11.0	2.47	1.87	0.35	9.1	2.66	1.76	0.38	10.6	2.84	1.67	0.41	12.1	2.98	1.59	0.43	13.3
5	7	2.58	1.61	0.32	7.3	2.33	1.82	0.29	6.0	2.52	1.70	0.31	7.0	2.70	1.61	0.33	8.0	2.85	1.52	0.35	8.9
6	3	2.91	1.78	0.83	50.6	2.65	1.97	0.76	42.0	2.84	1.86	0.81	48.3	3.03	1.77	0.87	54.8	3.20	1.69	0.92	61.3
6	4	2.79	1.72	0.60	26.2	2.53	1.90	0.54	21.5	2.73	1.80	0.59	25.0	2.91	1.72	0.63	28.4	3.07	1.63	0.66	31.7
6	5	2.66	1.66	0.46	15.2	2.42	1.85	0.42	12.6	2.61	1.75	0.45	14.6	2.78	1.64	0.48	16.6	2.95	1.57	0.51	18.7
6	6	2.53	1.61	0.36	9.6	2.29	1.79	0.33	7.8	2.47	1.68	0.35	9.1	2.66	1.58	0.38	10.6	2.80	1.50	0.40	11.7
6	7	2.40	1.54	0.29	6.3	2.15	1.74	0.26	5.1	2.34	1.63	0.29	6.0	2.51	1.53	0.31	6.9	2.68	1.44	0.33	7.9
7	3	2.72	1.70	0.78	44.1	2.47	1.89	0.71	36.3	2.66	1.78	0.76	42.2	2.85	1.69	0.82	48.6	3.01	1.61	0.86	54.3
7	4	2.61	1.64	0.56	22.8	2.34	1.85	0.50	18.3	2.54	1.73	0.55	21.6	2.72	1.64	0.59	24.9	2.89	1.55	0.62	28.2
7	5	2.47	1.58	0.43	13.2	2.22	1.79	0.38	10.6	2.42	1.67	0.42	12.6	2.59	1.56	0.45	14.5	2.76	1.49	0.47	16.3
7	6	2.34	1.53	0.34	8.2	2.09	1.73	0.30	6.5	2.30	1.61	0.33	7.9	2.48	1.51	0.35	9.2	2.63	1.42	0.38	10.3
7	7	2.22	1.46	0.27	5.4	1.95	1.67	0.24	4.2	2.14	1.56	0.26	5.0	2.33	1.46	0.29	6.0	2.49	1.37	0.31	6.8
8	3	2.53	1.62	0.73	38.3	2.26	1.82	0.65	30.5	2.47	1.70	0.71	36.5	2.66	1.61	0.76	42.3	2.83	1.52	0.81	47.9
8	4	2.42	1.57	0.52	19.7	2.15	1.76	0.46	15.5	2.35	1.66	0.50	18.5	2.53	1.55	0.54	21.5	2.70	1.47	0.58	24.4
8	5	2.30	1.50	0.40	11.4	2.01	1.71	0.35	8.7	2.23	1.59	0.38	10.7	2.42	1.50	0.42	12.6	2.58	1.41	0.44	14.3
8	6	2.15	1.46	0.31	6.9	1.89	1.67	0.27	5.3	2.11	1.54	0.30	6.6	2.29	1.43	0.33	7.8	2.45	1.35	0.35	9.0
8	7	2.02	1.39	0.25	4.5	1.75	1.60	0.21	3.4	1.96	1.48	0.24	4.2	2.14	1.38	0.26	5.0	2.29	1.29	0.28	5.8
9	3	2.35	1.55	0.67	33.1	2.07	1.75	0.59	25.6	2.29	1.63	0.66	31.3	2.48	1.53	0.71	36.8	2.64	1.45	0.76	41.8
9	4	2.22	1.49	0.48	16.6	1.95	1.70	0.42	12.8	2.15	1.58	0.46	15.6	2.34	1.48	0.50	18.4	2.51	1.39	0.54	21.1
9	5	2.10	1.43	0.36	9.5	1.80	1.66	0.31	7.0	2.04	1.53	0.35	8.9	2.22	1.42	0.38	10.6	2.39	1.33	0.41	12.2
9	6	1.96	1.38	0.28	5.8	1.67	1.61	0.24	4.1	1.89	1.48	0.27	5.4	2.10	1.35	0.30	6.6	2.26	1.27	0.32	7.6
9	7	1.82	1.31	0.22	3.6	1.55	1.55	0.19	2.7	1.75	1.41	0.22	3.4	1.94	1.31	0.24	4.1	2.10	1.21	0.26	4.9
10	3	2.16	1.47	0.62	27.8	1.86	1.69	0.53	20.6	2.07	1.57	0.59	25.6	2.28	1.46	0.65	31.1	2.46	1.37	0.70	36.1
10	4	2.03	1.41	0.44	13.8	1.72	1.65	0.37	9.9	1.96	1.52	0.42	12.9	2.15	1.41	0.46	15.6	2.32	1.32	0.50	18.0
10	5	1.89	1.37	0.33	7.7	1.61	1.61	0.28	5.6	1.81	1.47	0.31	7.1	2.02	1.35	0.35	8.8	2.19	1.26	0.38	10.3
10	6	1.76	1.31	0.25	4.6	1.53	1.53	0.22	3.5	1.68	1.41	0.24	4.2	1.89	1.28	0.27	5.3	2.05	1.19	0.29	6.3
10	7	1.61	1.25	0.20	2.8	1.44	1.44	0.18	2.3	1.53	1.36	0.19	2.6	1.73	1.24	0.21	3.3	1.92	1.13	0.24	4.0
11	3	1.95	1.40	0.56	22.7	1.65	1.65	0.47	16.3	1.88	1.49	0.54	21.1	2.07	1.40	0.59	25.7	2.26	1.30	0.65	30.5
11	4	1.83	1.35	0.39	11.2	1.57	1.57	0.34	8.3	1.75	1.44	0.38	10.3	1.95	1.33	0.42	12.8	2.13	1.24	0.46	15.3
11	5	1.69	1.30	0.29	6.1	1.49	1.49	0.26	4.8	1.61	1.40	0.28	5.6	1.82	1.27	0.31	7.1	1.99	1.18	0.34	8.6
11	6	1.54	1.25	0.22	3.5	1.40	1.40	0.20	2.9	1.48	1.34	0.21	3.3	1.68	1.23	0.24	4.2	1.85	1.12	0.27	5.1
11	7	1.37	1.20	0.17	2.1	1.32	1.32	0.16	1.9	1.32	1.32	0.16	1.9	1.52	1.17	0.19	2.5	1.70	1.06	0.21	3.2
12	3	1.74	1.34	0.50	18.1	1.53	1.53	0.44	14.0	1.66	1.44	0.48	16.4	1.88	1.32	0.54	21.1	2.05	1.23	0.59	25.2
12	4	1.61	1.29	0.35	8.8	1.46	1.46	0.31	7.1	1.53	1.39	0.33	7.9	1.75	1.27	0.38	10.2	1.93	1.17	0.42	12.5
12	5	1.47	1.25	0.25	4.7	1.39	1.39	0.24	4.2	1.40	1.35	0.24	4.2	1.61	1.22	0.28	5.6	1.79	1.12	0.31	6.9
12	6	1.31	1.20	0.19	2.6	1.30	1.30	0.19	2.5	1.30	1.27	0.19	2.5	1.46	1.17	0.21	3.2	1.64	1.05	0.24	4.0
12	7	1.16	1.16	0.14	1.5	1.20	1.20	0.15	1.6	1.19	1.19	0.15	1.6	1.27	1.11	0.16	1.8	1.49	0.99	0.18	2.4
13	3	1.52	1.28	0.44	13.9	1.41	1.41	0.40	11.9	1.44	1.39	0.41	12.3	1.66	1.25	0.47	16.4	1.85	1.16	0.53	20.5
13	4	1.39	1.23	0.30	6.5	1.34	1.34	0.29	6.1	1.34	1.32	0.29	6.1	1.52	1.22	0.33	7.8	1.72	1.10	0.37	9.9
13	5	1.24	1.22	0.21	3.3	1.25	1.25	0.22	3.4	1.26	1.26	0.22	3.4	1.39	1.16	0.24	4.2	1.58	1.05	0.27	5.4
13	6	1.13	1.13	0.16	1.9	1.17	1.17	0.17	2.0	1.17	1.17	0.17	2.0	1.23	1.12	0.18	2.2	1.43	0.99	0.20	3.0
13	7	1.03	1.03	0.13	1.2	1.07	1.07	0.13	1.3	1.08	1.08	0.13	1.3	1.08	1.05	0.13	1.3	1.25	0.94	0.15	1.7

Cooling Capacity (Cont.)

MKT3-200G30 & MKT3-200G50

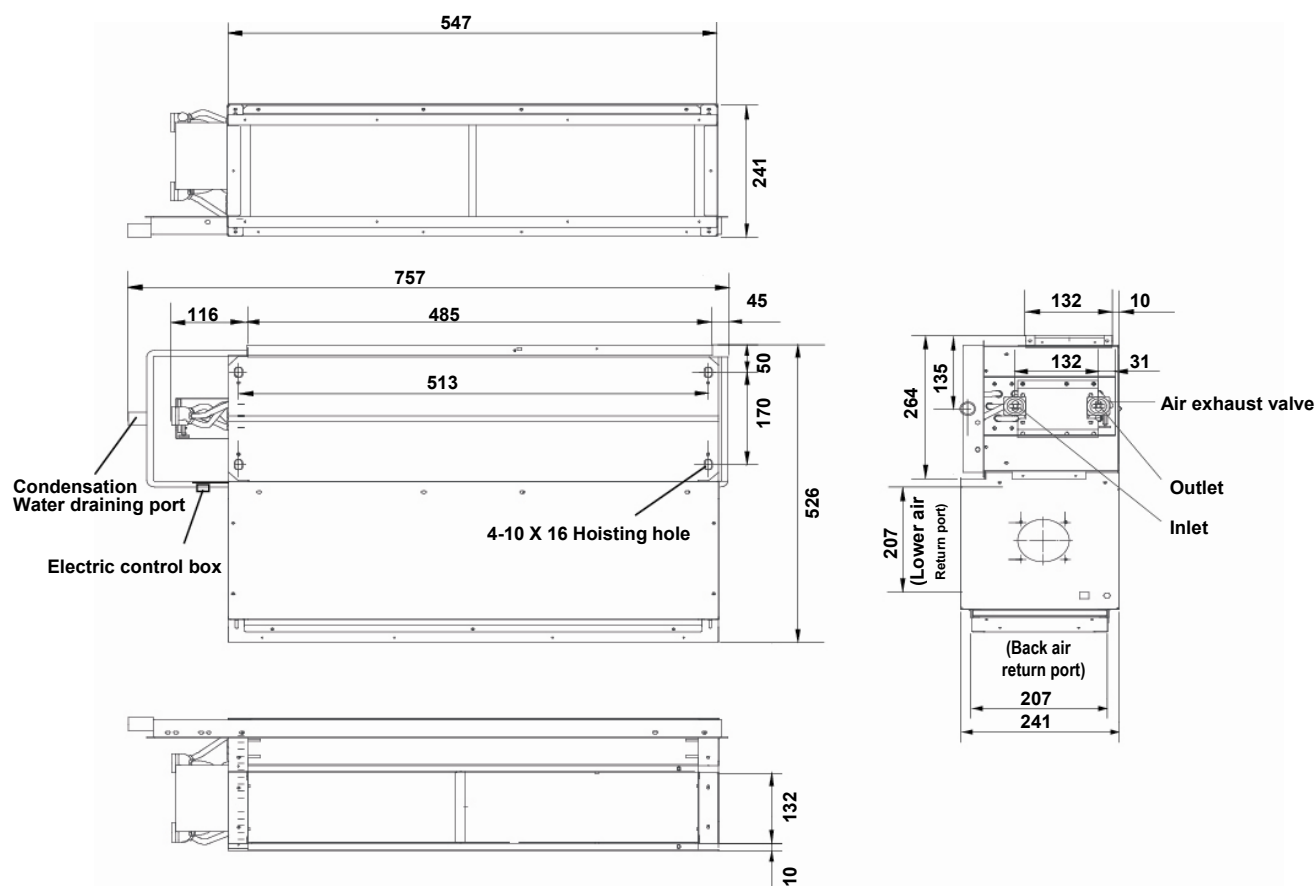
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-200	
	TC	SC
High	1	1
Medium	0.84	0.83
Low	0.72	0.7

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-300G30 & MKT3-300G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	4.1	2.5	1.19	118	3.8	2.7	1.09	99	4.0	2.6	1.17	113	4.3	2.5	1.23	126	4.5	2.3	1.3	141
5	4	3.9	2.4	0.86	61.	3.6	2.6	0.79	51.	3.9	2.5	0.84	59.2	4.16	2.43	0.89	66.4	4.3	2.3	0.9	73.1
5	5	3.8	2.3	0.66	35.	3.5	2.6	0.6	30	3.7	2.4	0.64	34.4	3.99	2.34	0.69	39.2	4.2	3.6	0.7	43.2
5	6	3.6	2.2	0.52	22.	3.3	2.5	0.48	18.	3.5	2.3	0.51	21.9	3.83	2.25	0.55	25	4.0	2.1	0.5	27.5
5	7	3.4	2.1	0.43	15.	3.1	2.4	0.39	12.	3.3	2.2	0.42	14.4	3.64	2.17	0.45	16.6	3.8	2.0	0.4	18.5
6	3	3.9	2.4	1.12	105	3.5	2.6	1.02	87	3.8	2.5	1.1	100	4.08	2.39	1.17	113	4.3	2.2	1.2	127
6	4	3.7	2.3	0.81	54.	3.4	2.5	0.73	44.	3.6	2.4	0.79	51.8	3.92	2.31	0.84	58.9	4.1	2.2	0.8	65.8
6	5	3.5	2.2	0.62	31.	3.2	2.4	0.56	26	3.5	2.3	0.6	30.2	3.74	2.22	0.64	34.3	3.9	2.1	0.6	38.8
6	6	3.4	2.1	0.49	19.	3.0	2.4	0.44	16.	3.3	2.2	0.48	18.9	3.58	2.13	0.51	21.9	3.7	2.0	0.5	24.3
6	7	3.2	2.0	0.4	13.	2.8	2.3	0.36	10.	3.1	2.2	0.39	12.4	3.38	2.06	0.41	14.3	3.6	1.9	0.4	16.3
7	3	3.6	2.2	1.05	91.	3.3	2.5	0.95	75.	3.5	2.4	1.03	87.4	3.84	2.28	1.1	101	4.0	2.1	1.1	112
7	4	3.5	2.2	0.75	47.	3.1	2.4	0.68	38	3.4	2.3	0.73	44.8	3.67	2.21	0.79	51.7	3.9	2.0	0.8	58.4
7	5	3.3	2.1	0.57	27.	2.9	2.4	0.51	21.	3.2	2.2	0.56	26.1	3.5	2.11	0.6	30	3.7	2.0	0.6	33.8
7	6	3.1	2.0	0.45	17	2.8	2.3	0.4	13.	3.1	2.1	0.44	16.4	3.34	2.03	0.48	19	3.5	1.9	0.5	21.4
7	7	2.9	1.9	0.37	11.	2.6	2.2	0.32	8.6	2.8	2.1	0.35	10.5	3.14	1.96	0.39	12.3	3.3	1.8	0.4	14.1
8	3	3.4	2.1	0.98	79.	3.0	2.4	0.87	63.	3.3	2.2	0.95	75.7	3.58	2.16	1.03	87.7	3.8	2.0	1.0	99.3
8	4	3.2	2.1	0.7	40.	2.8	2.3	0.62	32.	3.1	2.2	0.68	38.3	3.41	2.09	0.73	44.6	3.6	1.9	0.7	50.6
8	5	3.1	2.0	0.53	23.	2.7	2.3	0.47	18.	3	2.1	0.52	22.1	3.26	2.02	0.56	26	3.4	1.9	0.6	29.7
8	6	2.8	1.9	0.41	14.	2.5	2.2	0.36	11	2.8	2.0	0.41	13.7	3.09	1.93	0.44	16.2	3.3	1.8	0.4	18.6
8	7	2.7	1.8	0.33	9.3	2.3	2.1	0.29	6.9	2.6	2	0.32	8.73	2.89	1.85	0.35	10.5	3.0	1.7	0.3	12
9	3	3.1	2.0	0.91	68.	2.7	2.3	0.8	53.	3.0	2.1	0.88	64.8	3.34	2.06	0.96	76.3	3.5	1.9	1.0	86.5
9	4	2.9	2.0	0.64	34.	2.6	2.2	0.56	26.	2.9	2.1	0.62	32.3	3.15	2	0.68	38.1	3.3	1.8	0.7	43.8
9	5	2.8	1.9	0.49	19.	2.4	2.2	0.42	14.	2.7	2.0	0.47	18.5	2.99	1.91	0.51	21.9	3.2	1.7	0.5	25.4
9	6	2.6	1.8	0.38	11.	2.2	2.1	0.32	8.5	2.5	1.9	0.37	11.1	2.82	1.83	0.4	13.6	3.0	1.7	0.4	15.8
9	7	2.4	1.7	0.3	7.5	2.0	2.0	0.26	5.4	2.3	1.9	0.29	6.99	2.62	1.77	0.32	8.57	2.8	1.6	0.3	10
10	3	2.9	1.9	0.83	57.	2.5	2.2	0.72	42.	2.7	2.1	0.8	53.1	3.07	1.97	0.88	64.4	3.3	1.8	0.9	74.8
10	4	2.7	1.9	0.59	28.	2.3	2.2	0.5	20.	2.6	2.0	0.57	26.6	2.9	1.9	0.62	32.3	3.1	1.7	0.6	37.3
10	5	2.5	1.8	0.44	16	2.1	2.1	0.37	11.	2.4	1.9	0.42	14.6	2.72	1.82	0.47	18.2	2.9	1.6	0.5	21.4
10	6	2.3	1.7	0.34	9.6	2.0	2.0	0.29	7.2	2.2	1.9	0.32	8.77	2.54	1.72	0.36	11	2.7	1.6	0.4	13
10	7	2.1	1.6	0.27	5.8	1.9	1.9	0.24	4.6	2.0	1.8	0.25	5.34	2.33	1.67	0.29	6.79	2.5	1.5	0.3	8.36
11	3	2.6	1.8	0.75	47	2.2	2.2	0.64	33.	2.5	2.0	0.73	43.7	2.79	1.88	0.8	53.3	3.0	1.7	0.8	63.2
11	4	2.4	1.8	0.53	23.	2.1	2.1	0.46	17.	2.3	1.9	0.51	21.4	2.63	1.79	0.57	26.5	2.8	1.6	0.6	31.7
11	5	2.2	1.7	0.39	12.	2.0	2.0	0.35	9.9	2.1	1.8	0.37	11.5	2.45	1.72	0.42	14.7	2.6	1.5	0.4	17.7
11	6	2.0	1.6	0.3	7.3	1.8	1.8	0.27	6.0	1.9	1.8	0.29	6.75	2.26	1.66	0.32	8.7	2.4	1.5	0.3	10.6
11	7	1.8	1.6	0.23	4.2	1.7	1.7	0.22	3.9	1.7	1.7	0.22	3.96	2.05	1.58	0.25	5.25	2.3	1.4	0.2	6.6
12	3	2.3	1.8	0.67	37.	2.0	2.0	0.59	29	2.2	1.9	0.64	34.1	2.53	1.77	0.73	43.7	2.7	1.6	0.7	52.2
12	4	2.1	1.7	0.47	18.	1.9	1.9	0.42	14.	2.0	1.8	0.44	16.4	2.35	1.71	0.51	21.2	2.6	1.5	0.5	26
12	5	1.9	1.6	0.34	9.6	1.8	1.8	0.32	8.6	1.8	1.8	0.32	8.7	2.17	1.65	0.37	11.5	2.4	1.5	0.4	14.3
12	6	1.7	1.6	0.25	5.3	1.7	1.7	0.25	5.1	1.7	1.7	0.25	5.19	1.97	1.58	0.28	6.59	2.2	1.4	0.3	8.34
12	7	1.5	1.5	0.19	3.0	1.6	1.6	0.2	3.3	1.6	1.6	0.2	3.24	1.72	1.5	0.21	3.69	2.0	1.3	0.2	5.06
13	3	2.0	1.7	0.59	28.	1.9	1.9	0.54	24.	1.9	1.8	0.55	25.5	2.23	1.69	0.64	33.9	2.4	1.5	0.7	42.4
13	4	1.8	1.6	0.4	13.	1.8	1.8	0.39	12.	1.8	1.7	0.39	12.6	2.05	1.65	0.44	16.1	2.3	1.4	0.5	20.6
13	5	1.6	1.6	0.29	6.8	1.6	1.6	0.29	7	1.6	1.6	0.29	7.04	1.87	1.57	0.32	8.61	2.1	1.4	0.3	11.2
13	6	1.5	1.5	0.22	3.9	1.5	1.5	0.23	4.2	1.5	1.5	0.23	4.24	1.65	1.51	0.24	4.65	1.9	1.3	0.2	6.31
13	7	1.3	1.3	0.17	2.4	1.4	1.4	0.18	2.6	1.4	1.4	0.18	2.63	1.45	1.42	0.18	2.63	1.6	1.2	0.2	3.55

Cooling Capacity (Cont.)

MKT3-300G30 & MKT3-300G50

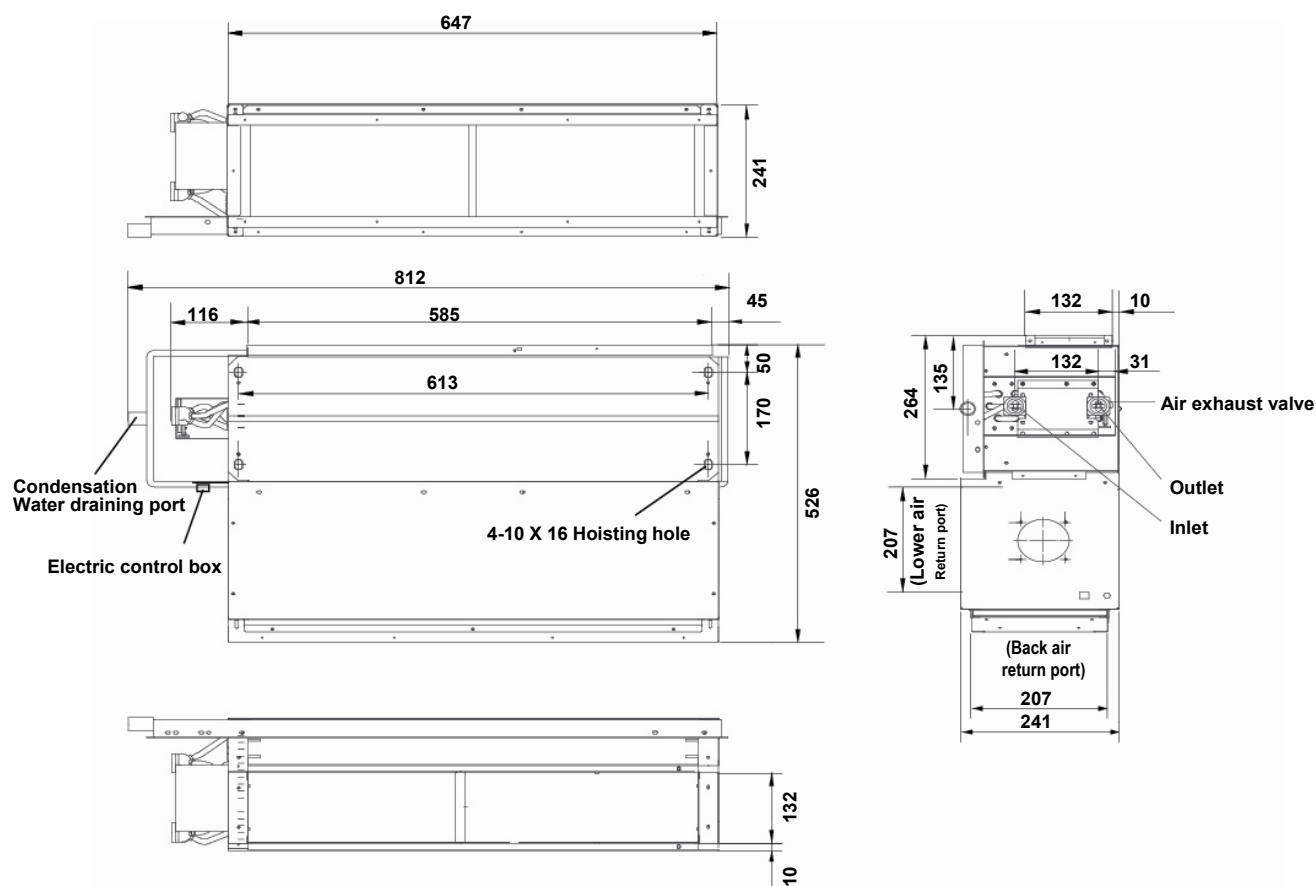
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-300	
	TC	SC
High	1	1
Medium	0.82	0.8
Low	0.71	0.68

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-400G30 & MKT3-400G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	4.79	2.89	1.37	58.6	4.39	3.17	1.26	49.3	4.69	3.01	1.35	56.3	4.96	2.88	1.42	63	5.24	2.75	1.5	70.2
5	4	4.61	2.8	0.99	30.5	4.23	3.08	0.91	25.7	4.53	2.92	0.97	29.5	4.8	2.8	1.03	33.1	5.04	2.66	1.08	36.4
5	5	4.41	2.7	0.76	17.8	4.03	3.01	0.69	14.9	4.32	2.83	0.74	17.2	4.61	2.7	0.79	19.5	4.84	4.18	0.83	21.5
5	6	4.21	2.63	0.6	11.3	3.84	2.9	0.55	9.4	4.13	2.73	0.59	10.9	4.42	2.59	0.63	12.5	4.63	2.46	0.66	13.7
5	7	4	2.5	0.49	7.52	3.62	2.83	0.45	6.16	3.91	2.64	0.48	7.18	4.2	2.5	0.52	8.27	4.43	2.37	0.54	9.22
6	3	4.52	2.77	1.3	52.2	4.12	3.05	1.18	43.3	4.42	2.89	1.27	49.8	4.7	2.76	1.35	56.5	4.98	2.63	1.43	63.2
6	4	4.34	2.67	0.93	27.1	3.93	2.96	0.85	22.2	4.24	2.79	0.91	25.8	4.52	2.67	0.97	29.3	4.77	2.54	1.03	32.8
6	5	4.13	2.58	0.71	15.7	3.75	2.88	0.65	13	4.05	2.71	0.7	15.1	4.31	2.56	0.74	17.1	4.58	2.44	0.79	19.3
6	6	3.93	2.5	0.56	9.88	3.56	2.78	0.51	8.09	3.84	2.61	0.55	9.42	4.13	2.46	0.59	10.9	4.36	2.33	0.62	12.1
6	7	3.73	2.39	0.46	6.52	3.34	2.71	0.41	5.22	3.64	2.54	0.45	6.2	3.9	2.38	0.48	7.12	4.16	2.24	0.51	8.12
7	3	4.22	2.64	1.21	45.5	3.83	2.94	1.1	37.5	4.13	2.77	1.18	43.5	4.43	2.63	1.27	50.2	4.68	2.5	1.34	56
7	4	4.05	2.54	0.87	23.5	3.63	2.87	0.78	18.9	3.94	2.68	0.85	22.3	4.23	2.54	0.91	25.7	4.5	2.41	0.97	29.1
7	5	3.84	2.45	0.66	13.6	3.45	2.78	0.59	10.9	3.76	2.59	0.65	13	4.03	2.43	0.69	14.9	4.28	2.32	0.74	16.9
7	6	3.64	2.38	0.52	8.46	3.24	2.69	0.47	6.72	3.58	2.5	0.51	8.16	3.85	2.34	0.55	9.45	4.09	2.21	0.59	10.7
7	7	3.45	2.27	0.42	5.57	3.03	2.59	0.37	4.3	3.33	2.42	0.41	5.21	3.62	2.26	0.44	6.14	3.87	2.12	0.48	7.02
8	3	3.93	2.52	1.13	39.5	3.51	2.83	1.01	31.5	3.84	2.64	1.1	37.7	4.13	2.5	1.19	43.7	4.4	2.36	1.26	49.5
8	4	3.76	2.44	0.81	20.3	3.34	2.74	0.72	16	3.65	2.58	0.78	19.1	3.93	2.41	0.85	22.2	4.19	2.29	0.9	25.2
8	5	3.57	2.33	0.61	11.7	3.13	2.66	0.54	9.01	3.46	2.47	0.6	11	3.75	2.33	0.65	13	4.01	2.2	0.69	14.8
8	6	3.34	2.26	0.48	7.11	2.93	2.59	0.42	5.48	3.27	2.39	0.47	6.84	3.56	2.22	0.51	8.09	3.81	2.09	0.55	9.26
8	7	3.14	2.16	0.39	4.63	2.72	2.48	0.33	3.47	3.04	2.31	0.37	4.35	3.33	2.14	0.41	5.21	3.56	2.01	0.44	5.96
9	3	3.66	2.41	1.05	34.2	3.22	2.72	0.92	26.4	3.55	2.53	1.02	32.3	3.86	2.37	1.11	38	4.11	2.25	1.18	43.1
9	4	3.45	2.32	0.74	17.1	3.03	2.64	0.65	13.2	3.35	2.45	0.72	16.1	3.64	2.31	0.78	19	3.9	2.16	0.84	21.8
9	5	3.27	2.22	0.56	9.81	2.8	2.58	0.48	7.21	3.16	2.37	0.54	9.2	3.45	2.21	0.59	10.9	3.71	2.07	0.64	12.6
9	6	3.05	2.14	0.44	5.94	2.59	2.5	0.37	4.28	2.94	2.3	0.42	5.52	3.26	2.11	0.47	6.77	3.51	1.97	0.5	7.87
9	7	2.82	2.04	0.35	3.73	2.41	2.41	0.3	2.73	2.72	2.19	0.33	3.48	3.02	2.04	0.37	4.27	3.27	1.88	0.4	5.01
10	3	3.35	2.28	0.96	28.7	2.89	2.62	0.83	21.3	3.22	2.44	0.92	26.4	3.54	2.27	1.02	32.1	3.82	2.13	1.09	37.3
10	4	3.15	2.2	0.68	14.2	2.67	2.57	0.57	10.2	3.04	2.35	0.65	13.3	3.35	2.19	0.72	16.1	3.6	2.05	0.77	18.6
10	5	2.94	2.13	0.51	7.95	2.5	2.5	0.43	5.75	2.82	2.28	0.48	7.29	3.14	2.1	0.54	9.04	3.41	1.95	0.59	10.7
10	6	2.74	2.03	0.39	4.79	2.37	2.37	0.34	3.59	2.62	2.19	0.37	4.37	2.93	1.99	0.42	5.48	3.18	1.86	0.46	6.48
10	7	2.5	1.95	0.31	2.94	2.23	2.23	0.27	2.33	2.38	2.11	0.29	2.66	2.69	1.93	0.33	3.38	2.98	1.76	0.37	4.16
11	3	3.03	2.18	0.87	23.4	2.57	2.57	0.74	16.8	2.92	2.32	0.84	21.8	3.22	2.17	0.92	26.5	3.51	2.01	1.01	31.5
11	4	2.84	2.11	0.61	11.6	2.44	2.44	0.52	8.56	2.72	2.24	0.59	10.7	3.03	2.07	0.65	13.2	3.32	1.93	0.71	15.8
11	5	2.62	2.02	0.45	6.31	2.32	2.32	0.4	4.96	2.5	2.18	0.43	5.75	2.82	1.98	0.49	7.32	3.1	1.84	0.53	8.83
11	6	2.39	1.94	0.34	3.64	2.18	2.18	0.31	3.02	2.3	2.08	0.33	3.36	2.6	1.92	0.37	4.33	2.88	1.75	0.41	5.28
11	7	2.13	1.87	0.26	2.12	2.05	2.05	0.25	1.97	2.05	2.05	0.25	1.97	2.36	1.82	0.29	2.61	2.65	1.64	0.33	3.29
12	3	2.71	2.08	0.78	18.7	2.38	2.38	0.68	14.4	2.58	2.24	0.74	17	2.92	2.05	0.84	21.8	3.19	1.9	0.91	26
12	4	2.51	2.01	0.54	9.03	2.26	2.26	0.49	7.35	2.38	2.16	0.51	8.15	2.71	1.97	0.58	10.6	3	1.82	0.65	12.9
12	5	2.29	1.94	0.39	4.82	2.16	2.16	0.37	4.31	2.17	2.09	0.37	4.33	2.5	1.9	0.43	5.75	2.78	1.74	0.48	7.12
12	6	2.03	1.87	0.29	2.64	2.01	2.01	0.29	2.59	2.01	1.97	0.29	2.59	2.27	1.82	0.33	3.28	2.55	1.64	0.37	4.15
12	7	1.8	1.8	0.22	1.52	1.87	1.87	0.23	1.64	1.86	1.86	0.23	1.62	1.98	1.73	0.24	1.84	2.32	1.54	0.28	2.52
13	3	2.37	1.99	0.68	14.3	2.19	2.19	0.63	12.3	2.23	2.15	0.64	12.7	2.57	1.95	0.74	16.9	2.88	1.8	0.82	21.1
13	4	2.16	1.91	0.47	6.73	2.09	2.09	0.45	6.27	2.09	2.05	0.45	6.27	2.37	1.9	0.51	8.04	2.67	1.71	0.57	10.2
13	5	1.93	1.89	0.33	3.43	1.95	1.95	0.34	3.49	1.95	1.95	0.34	3.51	2.16	1.81	0.37	4.29	2.46	1.63	0.42	5.55
13	6	1.76	1.76	0.25	1.97	1.82	1.82	0.26	2.11	1.82	1.82	0.26	2.11	1.9	1.74	0.27	2.32	2.22	1.54	0.32	3.14
13	7	1.61	1.61	0.2	1.21	1.67	1.67	0.2	1.3	1.67	1.67	0.21	1.31	1.67	1.63	0.21	1.31	1.94	1.45	0.24	1.77

Cooling Capacity (Cont.)

MKT3-400G30 & MKT3-400G50

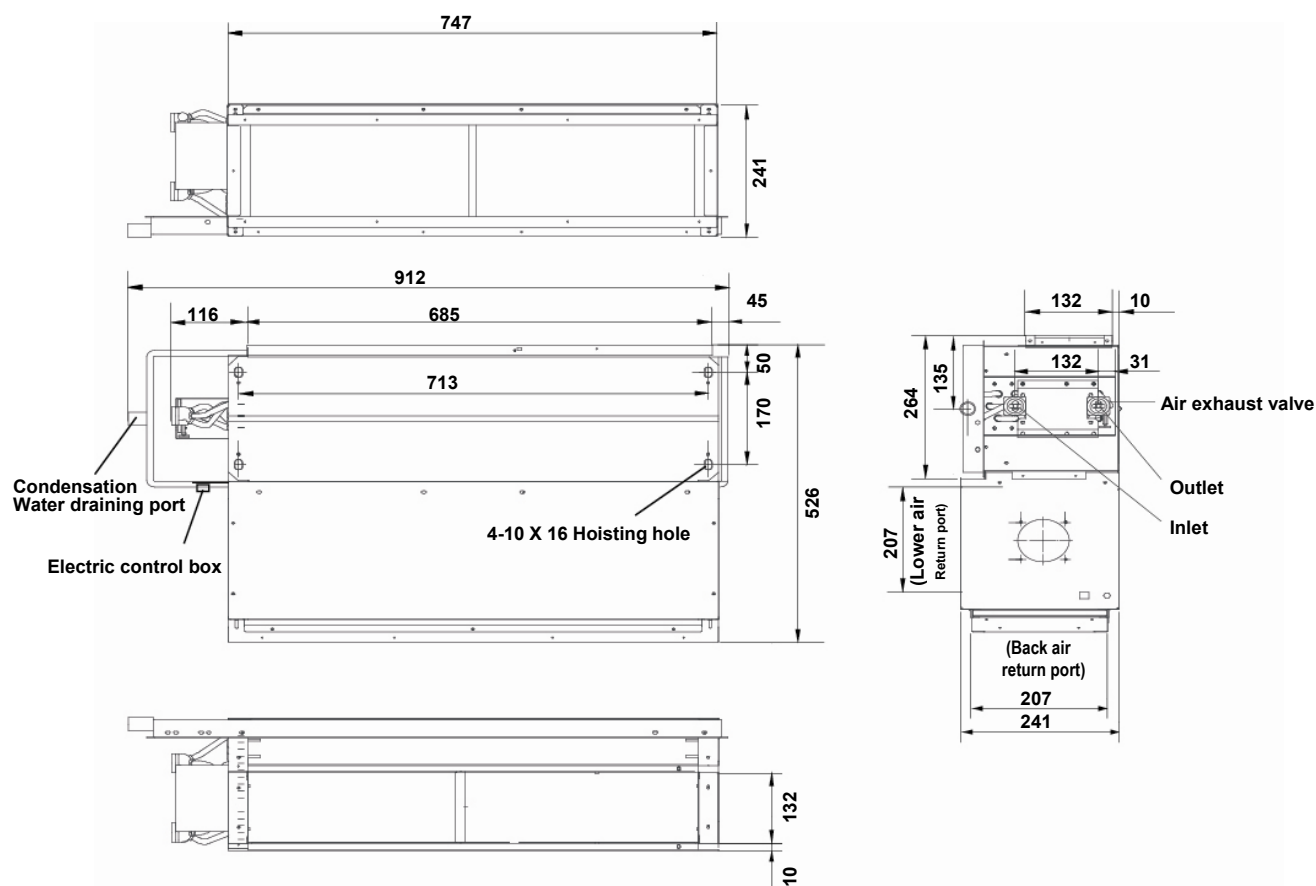
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-400	
	TC	SC
High	1	1
Medium	0.81	0.79
Low	0.7	0.69

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-500G30 & MKT3-500G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	5.22	3.15	1.5	68.1	4.79	3.46	1.37	57.3	5.12	3.28	1.47	65.3	5.41	3.14	1.55	73.1	5.72	3	1.64	81.5
5	4	5.02	3.05	1.08	35.4	4.61	3.35	0.99	29.9	4.94	3.19	1.06	34.3	5.23	3.05	1.12	38.4	5.49	2.9	1.18	42.3
5	5	4.8	2.95	0.83	20.7	4.4	3.28	0.76	17.4	4.71	3.09	0.81	19.9	5.02	2.94	0.86	22.7	5.28	4.56	0.91	25
5	6	4.59	2.86	0.66	13.1	4.18	3.17	0.6	10.9	4.5	2.98	0.65	12.6	4.82	2.83	0.69	14.5	5.05	2.69	0.72	15.9
5	7	4.37	2.73	0.54	8.74	3.95	3.09	0.49	7.16	4.27	2.88	0.52	8.34	4.58	2.73	0.56	9.61	4.83	2.58	0.59	10.7
6	3	4.93	3.02	1.41	60.6	4.49	3.33	1.29	50.3	4.82	3.15	1.38	57.9	5.13	3.01	1.47	65.7	5.43	2.86	1.56	73.4
6	4	4.73	2.92	1.02	31.4	4.29	3.22	0.92	25.8	4.62	3.05	0.99	30	4.93	2.91	1.06	34.1	5.21	2.77	1.12	38
6	5	4.5	2.81	0.77	18.2	4.09	3.14	0.7	15.1	4.41	2.96	0.76	17.5	4.7	2.79	0.81	19.9	5	2.66	0.86	22.5
6	6	4.29	2.73	0.61	11.5	3.88	3.03	0.56	9.4	4.19	2.85	0.6	10.9	4.5	2.68	0.65	12.6	4.75	2.54	0.68	14.1
6	7	4.06	2.6	0.5	7.57	3.64	2.95	0.45	6.07	3.96	2.77	0.49	7.2	4.25	2.59	0.52	8.27	4.54	2.44	0.56	9.44
7	3	4.6	2.88	1.32	52.9	4.18	3.2	1.2	43.5	4.5	3.02	1.29	50.6	4.83	2.87	1.39	58.3	5.11	2.72	1.46	65
7	4	4.41	2.77	0.95	27.3	3.96	3.13	0.85	22	4.3	2.92	0.92	25.9	4.61	2.77	0.99	29.9	4.9	2.63	1.05	33.8
7	5	4.19	2.67	0.72	15.8	3.76	3.03	0.65	12.7	4.1	2.82	0.71	15.1	4.4	2.65	0.76	17.4	4.67	2.53	0.8	19.6
7	6	3.97	2.6	0.57	9.83	3.54	2.93	0.51	7.81	3.9	2.72	0.56	9.48	4.19	2.55	0.6	11	4.45	2.41	0.64	12.4
7	7	3.76	2.48	0.46	6.47	3.3	2.83	0.41	4.99	3.63	2.64	0.45	6.05	3.95	2.47	0.48	7.14	4.22	2.31	0.52	8.16
8	3	4.29	2.75	1.23	45.9	3.83	3.09	1.1	36.6	4.19	2.88	1.2	43.8	4.51	2.72	1.29	50.7	4.8	2.57	1.38	57.4
8	4	4.1	2.66	0.88	23.6	3.64	2.99	0.78	18.6	3.98	2.82	0.85	22.2	4.29	2.63	0.92	25.8	4.57	2.5	0.98	29.3
8	5	3.89	2.54	0.67	13.6	3.41	2.9	0.59	10.5	3.77	2.7	0.65	12.8	4.09	2.54	0.7	15.1	4.37	2.4	0.75	17.2
8	6	3.64	2.47	0.52	8.26	3.19	2.82	0.46	6.37	3.57	2.6	0.51	7.94	3.88	2.43	0.56	9.4	4.15	2.28	0.6	10.8
8	7	3.43	2.35	0.42	5.38	2.96	2.7	0.36	4.03	3.32	2.51	0.41	5.05	3.63	2.33	0.45	6.05	3.89	2.19	0.48	6.92
9	3	3.99	2.63	1.14	39.7	3.51	2.97	1.01	30.7	3.88	2.76	1.11	37.5	4.21	2.59	1.21	44.2	4.48	2.45	1.28	50
9	4	3.76	2.53	0.81	19.9	3.3	2.88	0.71	15.3	3.65	2.67	0.78	18.7	3.96	2.51	0.85	22.1	4.25	2.36	0.91	25.3
9	5	3.56	2.43	0.61	11.4	3.05	2.82	0.53	8.37	3.45	2.59	0.59	10.7	3.76	2.41	0.65	12.7	4.04	2.25	0.7	14.7
9	6	3.32	2.34	0.48	6.9	2.82	2.73	0.4	4.97	3.21	2.5	0.46	6.41	3.55	2.3	0.51	7.86	3.83	2.15	0.55	9.14
9	7	3.08	2.22	0.38	4.34	2.63	2.63	0.32	3.18	2.97	2.39	0.36	4.04	3.29	2.22	0.4	4.96	3.56	2.05	0.44	5.81
10	3	3.66	2.49	1.05	33.4	3.15	2.86	0.9	24.7	3.51	2.66	1.01	30.7	3.86	2.48	1.11	37.2	4.17	2.32	1.19	43.3
10	4	3.43	2.4	0.74	16.5	2.91	2.8	0.63	11.9	3.31	2.57	0.71	15.4	3.65	2.38	0.78	18.7	3.92	2.23	0.84	21.6
10	5	3.21	2.32	0.55	9.24	2.73	2.73	0.47	6.68	3.07	2.48	0.53	8.47	3.42	2.29	0.59	10.5	3.72	2.13	0.64	12.4
10	6	2.99	2.22	0.43	5.57	2.59	2.59	0.37	4.17	2.85	2.39	0.41	5.07	3.19	2.17	0.46	6.37	3.47	2.02	0.5	7.52
10	7	2.73	2.12	0.34	3.41	2.43	2.43	0.3	2.71	2.6	2.3	0.32	3.09	2.93	2.1	0.36	3.93	3.25	1.92	0.4	4.84
11	3	3.3	2.38	0.95	27.2	2.8	2.8	0.8	19.5	3.18	2.53	0.91	25.3	3.51	2.37	1.01	30.8	3.83	2.19	1.1	36.6
11	4	3.09	2.3	0.67	13.4	2.66	2.66	0.57	9.95	2.97	2.44	0.64	12.4	3.31	2.25	0.71	15.4	3.61	2.11	0.78	18.3
11	5	2.86	2.21	0.49	7.34	2.53	2.53	0.44	5.76	2.73	2.38	0.47	6.68	3.08	2.16	0.53	8.5	3.38	2.01	0.58	10.3
11	6	2.6	2.12	0.37	4.23	2.37	2.37	0.34	3.51	2.5	2.27	0.36	3.91	2.84	2.09	0.41	5.03	3.14	1.91	0.45	6.13
11	7	2.32	2.04	0.28	2.47	2.24	2.24	0.27	2.29	2.24	2.24	0.27	2.29	2.57	1.98	0.32	3.04	2.89	1.79	0.35	3.82
12	3	2.95	2.27	0.85	21.7	2.59	2.59	0.74	16.8	2.81	2.44	0.81	19.7	3.18	2.23	0.91	25.3	3.48	2.08	1	30.2
12	4	2.73	2.19	0.59	10.5	2.47	2.47	0.53	8.54	2.6	2.36	0.56	9.47	2.96	2.15	0.64	12.3	3.27	1.98	0.7	15
12	5	2.5	2.11	0.43	5.6	2.36	2.36	0.41	5.01	2.37	2.28	0.41	5.03	2.73	2.07	0.47	6.68	3.04	1.89	0.52	8.27
12	6	2.22	2.04	0.32	3.07	2.19	2.19	0.31	3.01	2.19	2.15	0.31	3.01	2.47	1.98	0.35	3.82	2.78	1.79	0.4	4.82
12	7	1.96	1.96	0.24	1.77	2.04	2.04	0.25	1.91	2.02	2.02	0.25	1.88	2.16	1.88	0.27	2.14	2.53	1.68	0.31	2.92
13	3	2.58	2.17	0.74	16.6	2.39	2.39	0.69	14.3	2.43	2.35	0.7	14.8	2.8	2.12	0.8	19.6	3.14	1.96	0.9	24.5
13	4	2.36	2.08	0.51	7.82	2.28	2.28	0.49	7.28	2.28	2.24	0.49	7.28	2.58	2.07	0.55	9.34	2.91	1.86	0.63	11.9
13	5	2.11	2.06	0.36	3.98	2.12	2.12	0.37	4.05	2.13	2.13	0.37	4.07	2.35	1.97	0.41	4.98	2.68	1.77	0.46	6.45
13	6	1.92	1.92	0.27	2.29	1.98	1.98	0.28	2.45	1.98	1.98	0.28	2.45	2.08	1.9	0.3	2.69	2.42	1.68	0.35	3.65
13	7	1.75	1.75	0.22	1.41	1.82	1.82	0.22	1.51	1.82	1.82	0.22	1.52	1.82	1.78	0.22	1.52	2.12	1.59	0.26	2.06

Cooling Capacity (Cont.)

MKT3-500G30 & MKT3-500G50

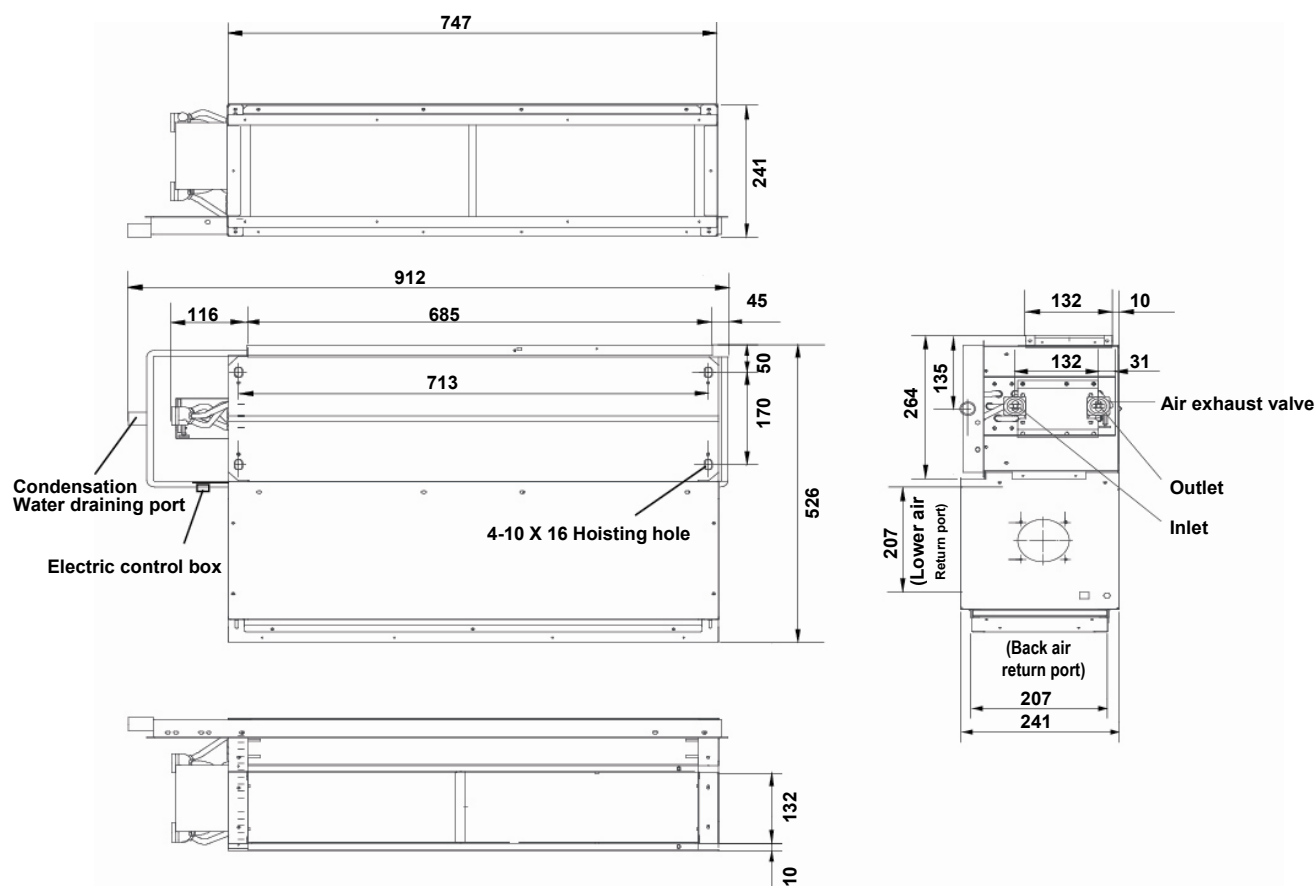
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-500	
	TC	SC
High	1	1
Medium	0.8	0.78
Low	0.72	0.7

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-600G30 & MKT3-600G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	6.84	4.12	1.96	133	6.28	4.53	1.8	112	6.7	4.3	1.92	127	7.09	4.11	2.03	142	7.49	3.93	2.15	159
5	4	6.58	4	1.41	68.9	6.04	4.39	1.3	58.2	6.47	4.18	1.39	66.7	6.85	4	1.47	74.7	7.19	3.8	1.55	82.4
5	5	6.29	3.86	1.08	40.4	5.76	4.29	0.99	33.8	6.17	4.04	1.06	38.8	6.58	3.85	1.13	44.1	6.91	5.97	1.19	48.7
5	6	6.01	3.75	0.86	25.6	5.48	4.15	0.79	21.2	5.9	3.91	0.85	24.6	6.31	3.7	0.9	28.2	6.61	3.52	0.95	30.9
5	7	5.72	3.57	0.7	17	5.18	4.04	0.64	13.9	5.59	3.77	0.69	16.2	6	3.57	0.74	18.7	6.33	3.38	0.78	20.8
6	3	6.45	3.96	1.85	118	5.88	4.36	1.69	98	6.31	4.13	1.81	113	6.72	3.94	1.93	128	7.11	3.75	2.04	143
6	4	6.2	3.82	1.33	61.2	5.62	4.22	1.21	50.3	6.05	3.99	1.3	58.3	6.45	3.81	1.39	66.4	6.82	3.63	1.47	74.1
6	5	5.9	3.68	1.01	35.5	5.36	4.11	0.92	29.3	5.78	3.87	0.99	34.1	6.16	3.65	1.06	38.7	6.55	3.49	1.13	43.7
6	6	5.62	3.57	0.81	22.3	5.08	3.97	0.73	18.3	5.49	3.73	0.79	21.3	5.9	3.51	0.85	24.6	6.22	3.33	0.89	27.4
6	7	5.32	3.41	0.65	14.7	4.77	3.87	0.59	11.8	5.19	3.63	0.64	14	5.56	3.39	0.68	16.1	5.94	3.19	0.73	18.4
7	3	6.03	3.77	1.73	103	5.47	4.19	1.57	84.8	5.9	3.96	1.69	98.5	6.33	3.76	1.81	114	6.69	3.56	1.92	127
7	4	5.78	3.63	1.24	53.2	5.18	4.1	1.11	42.8	5.63	3.83	1.21	50.4	6.04	3.63	1.3	58.2	6.42	3.45	1.38	65.7
7	5	5.49	3.5	0.94	30.7	4.92	3.97	0.85	24.7	5.37	3.7	0.92	29.4	5.76	3.47	0.99	33.8	6.11	3.31	1.05	38.1
7	6	5.2	3.4	0.75	19.1	4.63	3.84	0.66	15.2	5.11	3.56	0.73	18.5	5.49	3.34	0.79	21.4	5.83	3.16	0.84	24.1
7	7	4.92	3.25	0.6	12.6	4.32	3.7	0.53	9.73	4.76	3.46	0.58	11.8	5.17	3.23	0.63	13.9	5.52	3.03	0.68	15.9
8	3	5.62	3.6	1.61	89.4	5.01	4.04	1.44	71.2	5.49	3.77	1.57	85.2	5.9	3.56	1.69	98.7	6.28	3.37	1.8	112
8	4	5.37	3.48	1.15	45.9	4.77	3.91	1.02	36.2	5.21	3.69	1.12	43.2	5.62	3.45	1.21	50.3	5.98	3.27	1.29	57
8	5	5.1	3.33	0.88	26.5	4.47	3.8	0.77	20.4	4.94	3.53	0.85	24.9	5.36	3.32	0.92	29.3	5.73	3.14	0.98	33.4
8	6	4.77	3.23	0.68	16.1	4.18	3.7	0.6	12.4	4.67	3.41	0.67	15.5	5.08	3.18	0.73	18.3	5.44	2.99	0.78	21
8	7	4.49	3.08	0.55	10.5	3.88	3.54	0.48	7.84	4.35	3.29	0.53	9.83	4.76	3.05	0.58	11.8	5.09	2.87	0.63	13.5
9	3	5.22	3.44	1.5	77.2	4.6	3.89	1.32	59.8	5.08	3.61	1.45	73	5.51	3.39	1.58	86	5.87	3.21	1.68	97.4
9	4	4.93	3.32	1.06	38.7	4.32	3.77	0.93	29.8	4.78	3.5	1.03	36.4	5.19	3.29	1.12	42.9	5.56	3.09	1.2	49.3
9	5	4.66	3.18	0.8	22.2	4	3.69	0.69	16.3	4.52	3.39	0.78	20.8	4.92	3.15	0.85	24.7	5.29	2.95	0.91	28.6
9	6	4.35	3.06	0.62	13.4	3.7	3.57	0.53	9.67	4.2	3.28	0.6	12.5	4.65	3.01	0.67	15.3	5.01	2.81	0.72	17.8
9	7	4.03	2.91	0.5	8.45	3.45	3.45	0.42	6.19	3.89	3.13	0.48	7.87	4.31	2.91	0.53	9.66	4.66	2.69	0.57	11.3
10	3	4.79	3.26	1.37	64.9	4.12	3.74	1.18	48.1	4.6	3.48	1.32	59.8	5.06	3.25	1.45	72.5	5.46	3.04	1.56	84.3
10	4	4.49	3.14	0.97	32.2	3.81	3.67	0.82	23.2	4.34	3.36	0.93	30	4.78	3.12	1.03	36.4	5.14	2.92	1.1	42
10	5	4.2	3.04	0.72	18	3.57	3.57	0.61	13	4.02	3.25	0.69	16.5	4.48	3	0.77	20.5	4.87	2.79	0.84	24.1
10	6	3.91	2.91	0.56	10.8	3.39	3.39	0.49	8.12	3.73	3.13	0.54	9.88	4.18	2.84	0.6	12.4	4.55	2.65	0.65	14.6
10	7	3.57	2.78	0.44	6.64	3.18	3.18	0.39	5.28	3.4	3.01	0.42	6.02	3.84	2.75	0.47	7.65	4.25	2.52	0.52	9.41
11	3	4.32	3.12	1.24	52.9	3.67	3.67	1.05	38	4.17	3.32	1.2	49.2	4.6	3.1	1.32	60	5.01	2.87	1.44	71.2
11	4	4.05	3.01	0.87	26.2	3.49	3.49	0.75	19.4	3.89	3.19	0.84	24.1	4.33	2.95	0.93	29.9	4.73	2.76	1.02	35.7
11	5	3.74	2.89	0.64	14.3	3.32	3.32	0.57	11.2	3.57	3.12	0.61	13	4.03	2.83	0.69	16.6	4.42	2.63	0.76	20
11	6	3.41	2.77	0.49	8.23	3.11	3.11	0.45	6.84	3.28	2.98	0.47	7.61	3.72	2.74	0.53	9.79	4.11	2.5	0.59	11.9
11	7	3.04	2.67	0.37	4.8	2.93	2.93	0.36	4.46	2.93	2.93	0.36	4.46	3.37	2.6	0.41	5.91	3.78	2.35	0.46	7.44
12	3	3.87	2.97	1.11	42.3	3.39	3.39	0.97	32.6	3.68	3.2	1.06	38.4	4.17	2.92	1.2	49.2	4.56	2.72	1.31	58.8
12	4	3.58	2.87	0.77	20.4	3.23	3.23	0.69	16.6	3.4	3.09	0.73	18.4	3.87	2.81	0.83	23.9	4.29	2.6	0.92	29.3
12	5	3.27	2.77	0.56	10.9	3.09	3.09	0.53	9.75	3.1	2.99	0.53	9.79	3.57	2.71	0.61	13	3.98	2.48	0.68	16.1
12	6	2.91	2.67	0.42	5.98	2.87	2.87	0.41	5.85	2.87	2.82	0.41	5.85	3.24	2.6	0.46	7.43	3.64	2.34	0.52	9.39
12	7	2.57	2.57	0.32	3.44	2.67	2.67	0.33	3.72	2.65	2.65	0.33	3.65	2.83	2.46	0.35	4.16	3.31	2.2	0.41	5.69
13	3	3.38	2.84	0.97	32.3	3.13	3.13	0.9	27.8	3.18	3.08	0.91	28.7	3.67	2.78	1.05	38.2	4.11	2.56	1.18	47.8
13	4	3.09	2.73	0.66	15.2	2.98	2.98	0.64	14.2	2.98	2.93	0.64	14.2	3.38	2.71	0.73	18.2	3.81	2.44	0.82	23.2
13	5	2.76	2.7	0.47	7.76	2.78	2.78	0.48	7.89	2.79	2.79	0.48	7.93	3.08	2.58	0.53	9.7	3.51	2.32	0.6	12.6
13	6	2.51	2.51	0.36	4.46	2.6	2.6	0.37	4.77	2.6	2.6	0.37	4.77	2.72	2.49	0.39	5.24	3.17	2.2	0.45	7.11
13	7	2.29	2.29	0.28	2.74	2.38	2.38	0.29	2.94	2.39	2.39	0.29	2.96	2.39	2.33	0.29	2.96	2.77	2.08	0.34	4

Cooling Capacity (Cont.)

MKT3-600G30 & MKT3-600G50

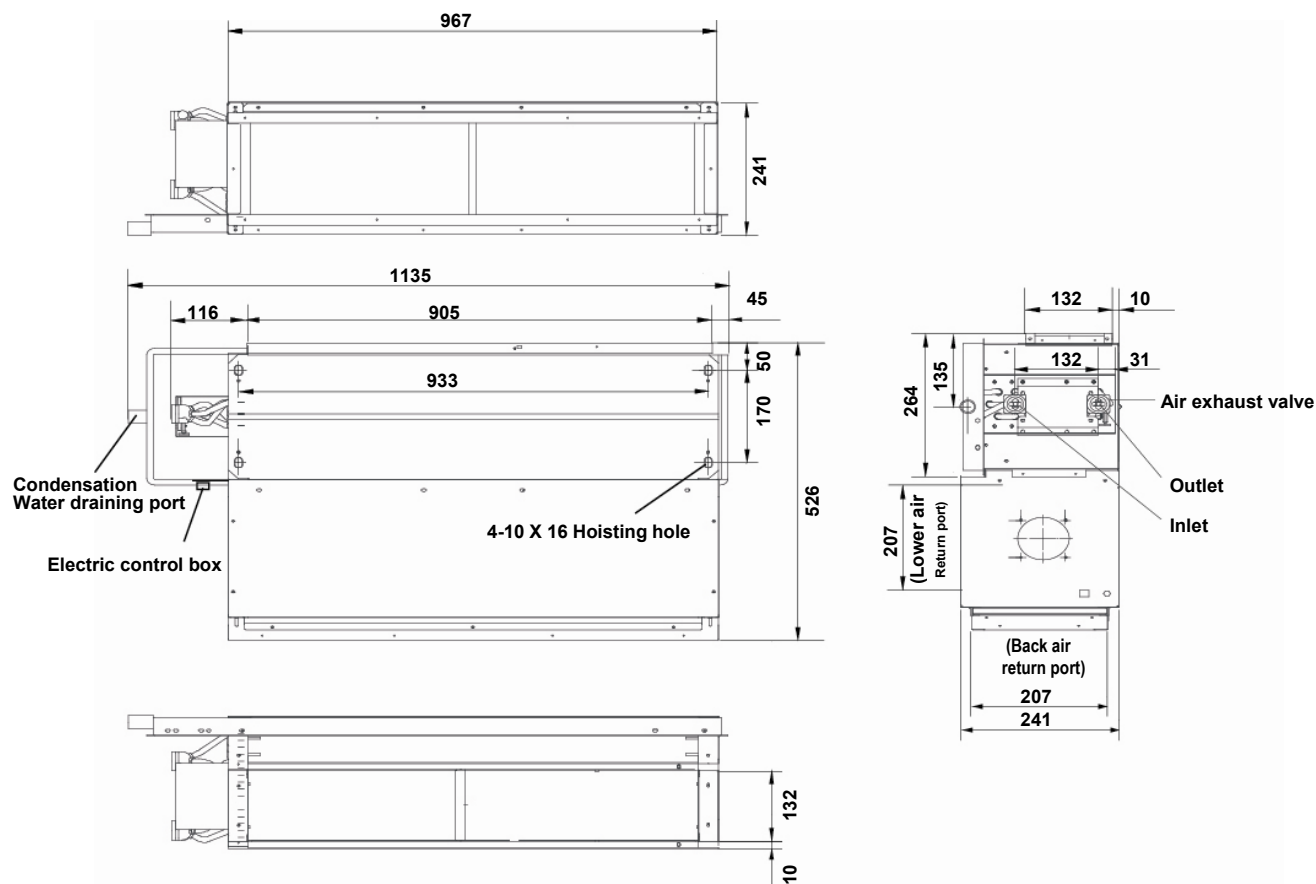
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-600	
	TC	SC
High	1	1
Medium	0.83	0.81
Low	0.73	0.72

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-800G30 & MKT3-800G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	9.7	5.84	2.78	129	8.89	6.42	2.55	108	9.5	6.09	2.72	123	10	5.83	2.88	138	10.6	5.57	3.04	154
5	4	9.32	5.67	2	66.8	8.57	6.23	1.84	56.4	9.17	5.92	1.97	64.7	9.71	5.67	2.09	72.5	10.2	5.38	2.19	79.9
5	5	8.92	5.47	1.53	39.1	8.16	6.08	1.4	32.8	8.74	5.73	1.5	37.6	9.32	5.46	1.6	42.8	9.8	5.17	1.68	47.2
5	6	8.52	5.31	1.22	24.8	7.76	5.87	1.11	20.6	8.36	5.53	1.2	23.9	8.94	5.25	1.28	27.3	9.37	4.99	1.34	30
5	7	8.1	5.06	1	16.5	7.34	5.73	0.9	13.5	7.92	5.35	0.97	15.7	8.5	5.06	1.04	18.1	8.97	4.79	1.1	20.2
6	3	9.15	5.61	2.62	114	8.33	6.18	2.39	95	8.94	5.85	2.56	109	9.52	5.58	2.73	124	10.1	5.31	2.89	139
6	4	8.78	5.41	1.89	59.3	7.96	5.98	1.71	48.7	8.58	5.66	1.84	56.6	9.15	5.4	1.97	64.3	9.66	5.14	2.08	71.8
6	5	8.36	5.22	1.44	34.4	7.6	5.82	1.31	28.4	8.19	5.49	1.41	33	8.73	5.17	1.5	37.5	9.28	4.94	1.6	42.4
6	6	7.96	5.06	1.14	21.7	7.2	5.62	1.03	17.7	7.77	5.28	1.11	20.7	8.36	4.97	1.2	23.9	8.82	4.72	1.26	26.6
6	7	7.54	4.83	0.93	14.3	6.75	5.48	0.83	11.5	7.36	5.14	0.9	13.6	7.88	4.81	0.97	15.6	8.42	4.52	1.03	17.8
7	3	8.54	5.34	2.45	99.8	7.75	5.94	2.22	82.2	8.36	5.61	2.4	95.5	8.97	5.33	2.57	110	9.48	5.05	2.72	123
7	4	8.19	5.15	1.76	51.6	7.35	5.81	1.58	41.5	7.97	5.42	1.71	48.9	8.57	5.15	1.84	56.4	9.1	4.89	1.96	63.7
7	5	7.77	4.96	1.34	29.7	6.97	5.62	1.2	23.9	7.61	5.24	1.31	28.5	8.16	4.92	1.4	32.8	8.66	4.69	1.49	36.9
7	6	7.37	4.82	1.06	18.6	6.57	5.45	0.94	14.7	7.24	5.05	1.04	17.9	7.79	4.73	1.12	20.7	8.27	4.48	1.19	23.4
7	7	6.97	4.6	0.86	12.2	6.13	5.25	0.75	9.43	6.74	4.9	0.83	11.4	7.32	4.58	0.9	13.5	7.83	4.29	0.96	15.4
8	3	7.96	5.11	2.28	86.6	7.1	5.73	2.04	69	7.77	5.35	2.23	82.6	8.37	5.05	2.4	95.7	8.91	4.78	2.55	108
8	4	7.61	4.93	1.64	44.5	6.75	5.55	1.45	35.1	7.38	5.23	1.59	41.9	7.96	4.89	1.71	48.7	8.48	4.63	1.82	55.3
8	5	7.23	4.72	1.24	25.7	6.34	5.38	1.09	19.8	7.01	5.01	1.21	24.2	7.6	4.71	1.31	28.4	8.12	4.45	1.4	32.4
8	6	6.75	4.58	0.97	15.6	5.93	5.24	0.85	12	6.62	4.83	0.95	15	7.2	4.5	1.03	17.7	7.71	4.24	1.1	20.3
8	7	6.36	4.37	0.78	10.2	5.5	5.02	0.68	7.6	6.16	4.67	0.76	9.53	6.74	4.33	0.83	11.4	7.21	4.06	0.89	13.1
9	3	7.4	4.88	2.12	74.9	6.51	5.51	1.87	58	7.19	5.12	2.06	70.7	7.81	4.8	2.24	83.3	8.31	4.55	2.38	94.5
9	4	6.98	4.7	1.5	37.5	6.13	5.35	1.32	28.9	6.78	4.96	1.46	35.3	7.36	4.67	1.58	41.6	7.88	4.38	1.7	47.8
9	5	6.61	4.5	1.14	21.5	5.67	5.23	0.97	15.8	6.4	4.8	1.1	20.2	6.97	4.47	1.2	23.9	7.5	4.18	1.29	27.7
9	6	6.17	4.34	0.88	13	5.24	5.06	0.75	9.38	5.95	4.65	0.85	12.1	6.59	4.26	0.94	14.8	7.1	3.99	1.02	17.3
9	7	5.71	4.13	0.7	8.19	4.89	4.89	0.6	6	5.51	4.44	0.68	7.63	6.11	4.13	0.75	9.36	6.61	3.81	0.81	11
10	3	6.79	4.62	1.95	63	5.84	5.3	1.67	46.7	6.51	4.93	1.87	58	7.17	4.6	2.06	70.3	7.73	4.3	2.22	81.7
10	4	6.37	4.45	1.37	31.2	5.4	5.19	1.16	22.4	6.15	4.77	1.32	29.1	6.78	4.43	1.46	35.3	7.28	4.14	1.57	40.8
10	5	5.95	4.3	1.02	17.4	5.06	5.06	0.87	12.6	5.7	4.61	0.98	16	6.35	4.25	1.09	19.8	6.9	3.95	1.19	23.4
10	6	5.55	4.12	0.79	10.5	4.8	4.8	0.69	7.87	5.29	4.44	0.76	9.57	5.93	4.02	0.85	12	6.45	3.76	0.92	14.2
10	7	5.06	3.94	0.62	6.43	4.51	4.51	0.55	5.11	4.82	4.27	0.59	5.84	5.44	3.9	0.67	7.42	6.03	3.57	0.74	9.13
11	3	6.13	4.41	1.76	51.3	5.19	5.19	1.49	36.9	5.91	4.7	1.69	47.7	6.52	4.39	1.87	58.2	7.1	4.07	2.04	69
11	4	5.74	4.26	1.23	25.4	4.94	4.94	1.06	18.8	5.51	4.52	1.19	23.4	6.14	4.18	1.32	29	6.71	3.91	1.44	34.6
11	5	5.3	4.1	0.91	13.8	4.7	4.7	0.81	10.9	5.06	4.41	0.87	12.6	5.71	4.01	0.98	16	6.27	3.72	1.08	19.3
11	6	4.83	3.93	0.69	7.98	4.4	4.4	0.63	6.63	4.65	4.22	0.67	7.37	5.27	3.88	0.76	9.5	5.82	3.54	0.83	11.6
11	7	4.3	3.79	0.53	4.65	4.15	4.15	0.51	4.33	4.15	4.15	0.51	4.33	4.78	3.68	0.59	5.73	5.36	3.33	0.66	7.21
12	3	5.48	4.21	1.57	41	4.81	4.81	1.38	31.6	5.22	4.54	1.5	37.2	5.91	4.14	1.69	47.7	6.46	3.85	1.85	57
12	4	5.07	4.06	1.09	19.8	4.58	4.58	0.98	16.1	4.82	4.38	1.04	17.9	5.49	3.99	1.18	23.2	6.07	3.68	1.31	28.4
12	5	4.63	3.92	0.8	10.6	4.38	4.38	0.75	9.45	4.39	4.24	0.76	9.5	5.06	3.84	0.87	12.6	5.63	3.51	0.97	15.6
12	6	4.12	3.79	0.59	5.8	4.07	4.07	0.58	5.67	4.07	4	0.58	5.67	4.59	3.68	0.66	7.2	5.16	3.32	0.74	9.1
12	7	3.65	3.65	0.45	3.34	3.79	3.79	0.47	3.6	3.76	3.76	0.46	3.54	4.01	3.49	0.49	4.03	4.69	3.12	0.58	5.52
13	3	4.79	4.02	1.37	31.3	4.44	4.44	1.27	26.9	4.51	4.36	1.29	27.8	5.21	3.94	1.49	37	5.82	3.63	1.67	46.3
13	4	4.38	3.87	0.94	14.8	4.23	4.23	0.91	13.7	4.23	4.15	0.91	13.7	4.79	3.84	1.03	17.6	5.4	3.46	1.16	22.4
13	5	3.91	3.82	0.67	7.52	3.94	3.94	0.68	7.65	3.95	3.95	0.68	7.69	4.37	3.66	0.75	9.4	4.97	3.29	0.86	12.2
13	6	3.56	3.56	0.51	4.33	3.68	3.68	0.53	4.62	3.68	3.68	0.53	4.62	3.85	3.52	0.55	5.08	4.49	3.12	0.64	6.89
13	7	3.25	3.25	0.4	2.65	3.37	3.37	0.41	2.85	3.38	3.38	0.42	2.87	3.38	3.31	0.42	2.87	3.93	2.94	0.48	3.88

Cooling Capacity (Cont.)

MKT3-800G30 & MKT3-800G50

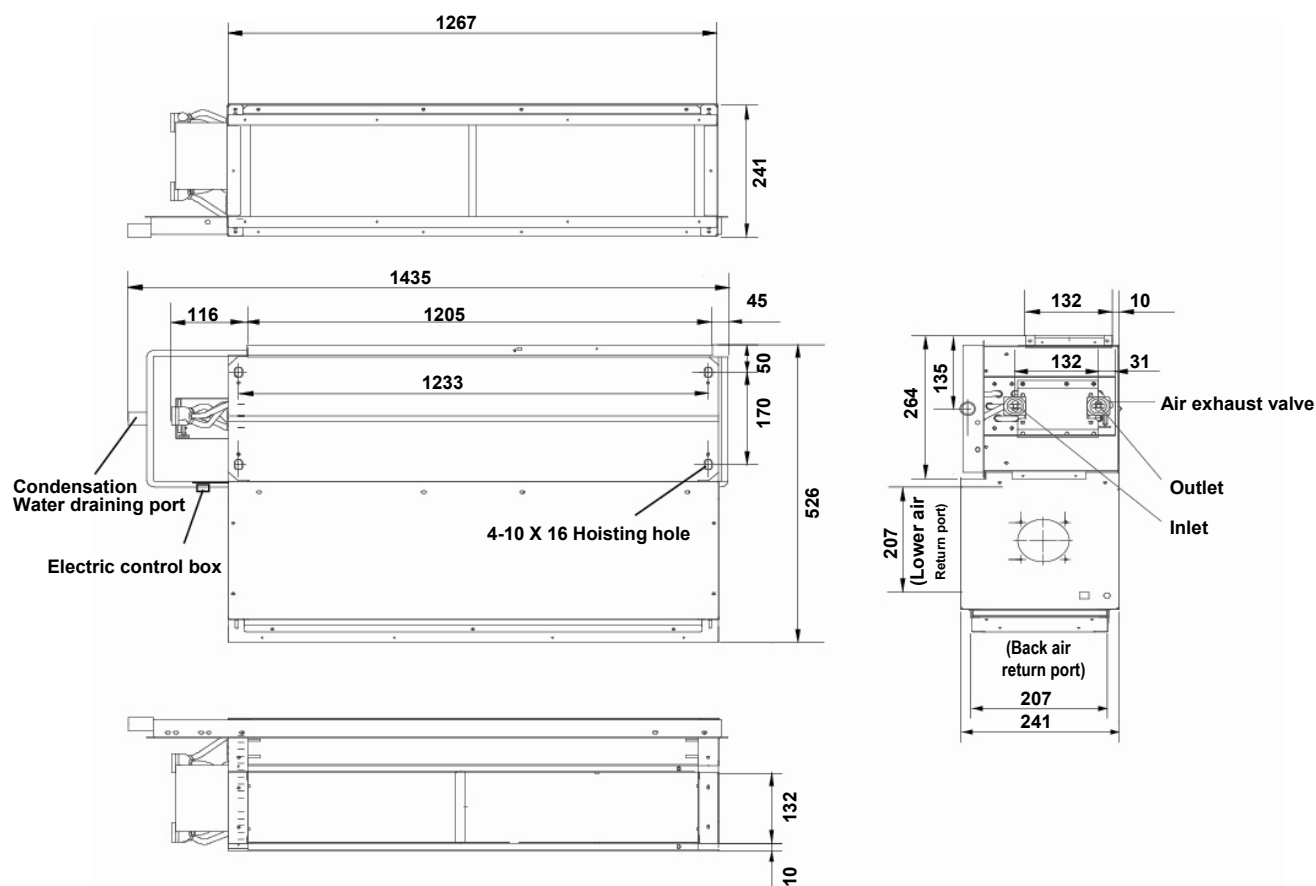
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-800	
	TC	SC
High	1	1
Medium	0.79	0.78
Low	0.69	0.68

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-1000G30 & MKT3-1000G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	10.7	6.47	3.08	86.6	9.85	7.12	2.82	72.9	10.5	6.75	3.02	83.1	11.1	6.46	3.19	93	11.8	6.17	3.37	104
5	4	10.3	6.28	2.22	45	9.49	6.9	2.04	38	10.2	6.56	2.18	43.6	10.8	6.28	2.31	48.8	11.3	5.96	2.43	53.8
5	5	9.88	6.06	1.7	26.4	9.04	6.74	1.55	22.1	9.68	6.35	1.67	25.3	10.3	6.05	1.78	28.8	10.9	9.38	1.87	31.8
5	6	9.44	5.89	1.35	16.7	8.6	6.51	1.23	13.9	9.26	6.13	1.33	16.1	9.9	5.81	1.42	18.4	10.4	5.52	1.49	20.2
5	7	8.98	5.61	1.1	11.1	8.13	6.35	1	9.1	8.77	5.92	1.08	10.6	9.42	5.61	1.16	12.2	9.94	5.3	1.22	13.6
6	3	10.1	6.22	2.9	77.1	9.23	6.85	2.65	64	9.9	6.48	2.84	73.6	10.5	6.18	3.02	83.5	11.2	5.89	3.2	93.4
6	4	9.73	6	2.09	40	8.82	6.63	1.9	32.8	9.5	6.26	2.04	38.1	10.1	5.98	2.18	43.3	10.7	5.69	2.3	48.4
6	5	9.26	5.78	1.59	23.2	8.42	6.45	1.45	19.1	9.07	6.08	1.56	22.2	9.67	5.73	1.66	25.3	10.3	5.47	1.77	28.5
6	6	8.82	5.61	1.26	14.6	7.98	6.23	1.14	11.9	8.61	5.85	1.23	13.9	9.26	5.51	1.33	16.1	9.77	5.23	1.4	17.9
6	7	8.36	5.35	1.03	9.63	7.48	6.07	0.92	7.71	8.15	5.69	1	9.16	8.73	5.33	1.07	10.5	9.33	5.01	1.15	12
7	3	9.46	5.91	2.71	67.2	8.59	6.58	2.46	55.4	9.26	6.22	2.65	64.3	9.94	5.9	2.85	74.1	10.5	5.6	3.01	82.7
7	4	9.07	5.71	1.95	34.8	8.14	6.44	1.75	28	8.83	6.01	1.9	32.9	9.49	5.71	2.04	38	10.1	5.41	2.17	42.9
7	5	8.61	5.5	1.48	20	7.72	6.23	1.33	16.1	8.43	5.8	1.45	19.2	9.04	5.45	1.55	22.1	9.6	5.19	1.65	24.9
7	6	8.16	5.34	1.17	12.5	7.27	6.03	1.04	9.93	8.02	5.6	1.15	12.1	8.62	5.24	1.24	14	9.16	4.96	1.31	15.7
7	7	7.72	5.1	0.95	8.22	6.79	5.81	0.83	6.35	7.47	5.43	0.92	7.69	8.11	5.07	1	9.07	8.67	4.76	1.07	10.4
8	3	8.82	5.66	2.53	58.4	7.87	6.35	2.26	46.5	8.61	5.92	2.47	55.7	9.27	5.6	2.66	64.5	9.87	5.29	2.83	73
8	4	8.43	5.46	1.81	30	7.48	6.14	1.61	23.6	8.17	5.79	1.76	28.2	8.82	5.41	1.9	32.8	9.39	5.13	2.02	37.2
8	5	8	5.23	1.38	17.3	7.02	5.96	1.21	13.3	7.76	5.55	1.33	16.3	8.42	5.22	1.45	19.1	8.99	4.93	1.55	21.8
8	6	7.48	5.07	1.07	10.5	6.57	5.8	0.94	8.1	7.34	5.35	1.05	10.1	7.98	4.99	1.14	11.9	8.54	4.7	1.22	13.7
8	7	7.04	4.84	0.87	6.84	6.09	5.56	0.75	5.12	6.82	5.17	0.84	6.42	7.47	4.79	0.92	7.69	7.99	4.5	0.98	8.8
9	3	8.2	5.4	2.35	50.4	7.21	6.11	2.07	39.1	7.97	5.67	2.28	47.6	8.65	5.32	2.48	56.1	9.21	5.04	2.64	63.6
9	4	7.74	5.21	1.66	25.3	6.79	5.92	1.46	19.5	7.51	5.5	1.61	23.8	8.15	5.17	1.75	28	8.73	4.85	1.88	32.2
9	5	7.32	4.99	1.26	14.5	6.28	5.79	1.08	10.6	7.09	5.32	1.22	13.6	7.72	4.95	1.33	16.1	8.31	4.63	1.43	18.6
9	6	6.84	4.8	0.98	8.77	5.8	5.61	0.83	6.32	6.59	5.15	0.95	8.16	7.3	4.72	1.05	9.99	7.87	4.42	1.13	11.6
9	7	6.33	4.57	0.78	5.52	5.41	5.41	0.67	4.04	6.11	4.91	0.75	5.14	6.76	4.57	0.83	6.31	7.32	4.22	0.9	7.39
10	3	7.52	5.12	2.16	42.4	6.47	5.88	1.86	31.4	7.21	5.46	2.07	39.1	7.94	5.1	2.28	47.4	8.56	4.77	2.45	55
10	4	7.06	4.93	1.52	21	5.98	5.75	1.29	15.1	6.81	5.28	1.46	19.6	7.51	4.9	1.61	23.8	8.07	4.59	1.73	27.5
10	5	6.59	4.77	1.13	11.7	5.61	5.61	0.96	8.5	6.31	5.11	1.09	10.8	7.03	4.71	1.21	13.4	7.64	4.38	1.31	15.8
10	6	6.14	4.56	0.88	7.08	5.32	5.32	0.76	5.3	5.86	4.91	0.84	6.45	6.57	4.45	0.94	8.1	7.14	4.16	1.02	9.57
10	7	5.61	4.37	0.69	4.33	5	5	0.61	3.45	5.34	4.73	0.66	3.93	6.02	4.32	0.74	5	6.68	3.95	0.82	6.15
11	3	6.79	4.89	1.95	34.6	5.75	5.75	1.65	24.8	6.54	5.21	1.88	32.1	7.23	4.87	2.07	39.2	7.87	4.51	2.26	46.5
11	4	6.36	4.72	1.37	17.1	5.47	5.47	1.18	12.6	6.11	5.01	1.31	15.7	6.8	4.63	1.46	19.5	7.43	4.33	1.6	23.3
11	5	5.88	4.54	1.01	9.33	5.21	5.21	0.9	7.32	5.61	4.89	0.96	8.5	6.33	4.44	1.09	10.8	6.95	4.12	1.19	13
11	6	5.35	4.35	0.77	5.37	4.88	4.88	0.7	4.46	5.15	4.67	0.74	4.97	5.84	4.29	0.84	6.4	6.45	3.92	0.92	7.8
11	7	4.77	4.2	0.59	3.13	4.6	4.6	0.56	2.91	4.6	4.6	0.56	2.91	5.29	4.08	0.65	3.86	5.94	3.69	0.73	4.86
12	3	6.07	4.66	1.74	27.7	5.33	5.33	1.53	21.3	5.78	5.02	1.66	25.1	6.54	4.59	1.88	32.1	7.15	4.27	2.05	38.4
12	4	5.62	4.5	1.21	13.3	5.07	5.07	1.09	10.9	5.34	4.85	1.15	12	6.08	4.42	1.31	15.6	6.73	4.08	1.45	19.1
12	5	5.13	4.34	0.88	7.12	4.85	4.85	0.83	6.36	4.87	4.7	0.84	6.4	5.61	4.26	0.96	8.5	6.24	3.89	1.07	10.5
12	6	4.56	4.2	0.65	3.9	4.51	4.51	0.65	3.82	4.51	4.43	0.65	3.82	5.08	4.08	0.73	4.85	5.72	3.67	0.82	6.13
12	7	4.04	4.04	0.5	2.25	4.2	4.2	0.52	2.43	4.16	4.16	0.51	2.39	4.44	3.87	0.55	2.72	5.19	3.45	0.64	3.72
13	3	5.3	4.45	1.52	21.1	4.91	4.91	1.41	18.1	5	4.83	1.43	18.8	5.77	4.37	1.65	25	6.45	4.03	1.85	31.2
13	4	4.85	4.28	1.04	9.94	4.68	4.68	1.01	9.26	4.68	4.6	1.01	9.26	5.3	4.26	1.14	11.9	5.98	3.83	1.29	15.1
13	5	4.33	4.23	0.74	5.07	4.37	4.37	0.75	5.15	4.38	4.38	0.75	5.18	4.84	4.05	0.83	6.33	5.51	3.65	0.95	8.2
13	6	3.94	3.94	0.56	2.91	4.08	4.08	0.58	3.12	4.08	4.08	0.58	3.12	4.27	3.9	0.61	3.42	4.98	3.45	0.71	4.64
13	7	3.6	3.6	0.44	1.79	3.73	3.73	0.46	1.92	3.75	3.75	0.46	1.93	3.75	3.66	0.46	1.93	4.35	3.26	0.54	2.61

Cooling Capacity (Cont.)

MKT3-1000G30 & MKT3-1000G50

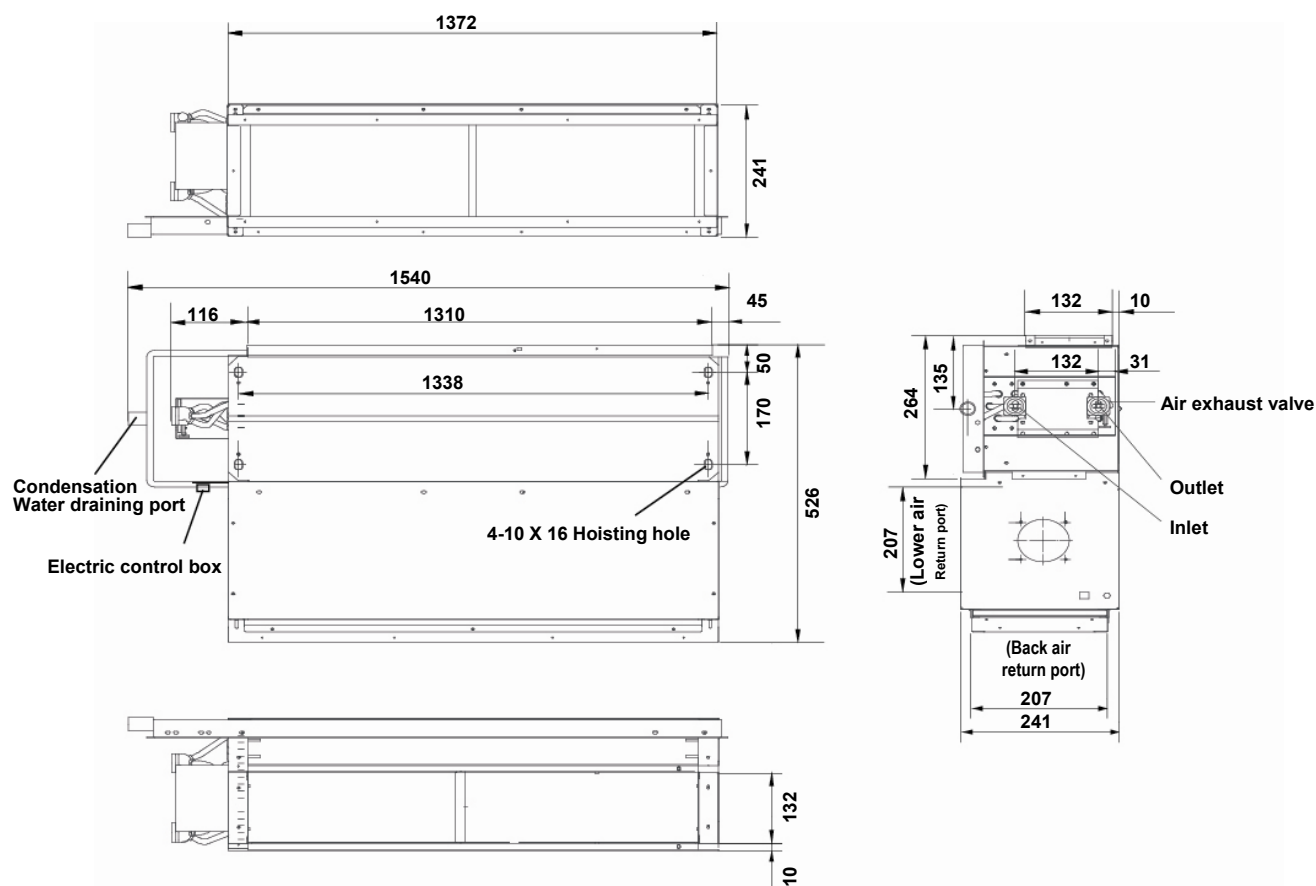
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-1000	
	TC	SC
High	1	1
Medium	0.8	0.78
Low	0.69	0.68

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-1200G30 & MKT3-1200G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	12.4	7.45	3.54	104	11.3	8.19	3.25	87.3	12.1	7.77	3.47	99.5	12.8	7.43	3.67	111	13.5	7.1	3.88	124
5	4	11.9	7.22	2.55	53.9	10.9	7.94	2.35	45.5	11.7	7.54	2.51	52.2	12.4	7.22	2.66	58.5	13	6.86	2.79	64.4
5	5	11.4	6.97	1.95	31.6	10.4	7.75	1.79	26.4	11.1	7.31	1.92	30.3	11.9	6.96	2.04	34.5	12.5	10.8	2.15	38.1
5	6	10.9	6.77	1.56	20	9.9	7.49	1.42	16.6	10.7	7.05	1.53	19.3	11.4	6.69	1.63	22	11.9	6.35	1.71	24.2
5	7	10.3	6.45	1.27	13.3	9.35	7.31	1.15	10.9	10.1	6.82	1.24	12.7	10.8	6.45	1.33	14.6	11.4	6.1	1.4	16.3
6	3	11.7	7.15	3.34	92.3	10.6	7.88	3.05	76.6	11.4	7.46	3.27	88.1	12.1	7.11	3.48	100	12.8	6.77	3.68	112
6	4	11.2	6.9	2.41	47.9	10.1	7.63	2.18	39.3	10.9	7.21	2.35	45.6	11.7	6.89	2.51	51.9	12.3	6.55	2.65	57.9
6	5	10.7	6.65	1.83	27.7	9.69	7.42	1.67	22.9	10.4	7	1.8	26.7	11.1	6.59	1.91	30.3	11.8	6.3	2.03	34.2
6	6	10.1	6.45	1.45	17.5	9.18	7.17	1.32	14.3	9.91	6.73	1.42	16.7	10.7	6.34	1.53	19.3	11.2	6.02	1.61	21.4
6	7	9.62	6.16	1.18	11.5	8.61	6.98	1.06	9.24	9.38	6.55	1.15	11	10	6.13	1.23	12.6	10.7	5.77	1.32	14.4
7	3	10.9	6.8	3.12	80.5	9.88	7.57	2.83	66.3	10.7	7.15	3.05	77	11.4	6.79	3.28	88.8	12.1	6.44	3.46	99.1
7	4	10.4	6.56	2.24	41.6	9.36	7.4	2.01	33.5	10.2	6.91	2.18	39.4	10.9	6.56	2.35	45.5	11.6	6.23	2.49	51.4
7	5	9.91	6.33	1.7	24	8.89	7.17	1.53	19.3	9.7	6.68	1.67	23	10.4	6.27	1.79	26.4	11	5.98	1.9	29.8
7	6	9.39	6.14	1.35	15	8.37	6.94	1.2	11.9	9.22	6.44	1.32	14.4	9.92	6.03	1.42	16.7	10.5	5.71	1.51	18.9
7	7	8.89	5.86	1.09	9.85	7.81	6.69	0.96	7.61	8.59	6.24	1.06	9.21	9.34	5.84	1.15	10.9	9.98	5.47	1.23	12.4
8	3	10.1	6.51	2.91	69.9	9.06	7.31	2.6	55.7	9.91	6.82	2.84	66.7	10.7	6.44	3.06	77.2	11.4	6.09	3.25	87.5
8	4	9.7	6.28	2.09	35.9	8.61	7.07	1.85	28.3	9.41	6.66	2.02	33.8	10.1	6.23	2.18	39.3	10.8	5.91	2.32	44.6
8	5	9.21	6.02	1.58	20.7	8.08	6.86	1.39	15.9	8.93	6.38	1.54	19.5	9.69	6	1.67	22.9	10.3	5.67	1.78	26.2
8	6	8.61	5.84	1.23	12.6	7.56	6.68	1.08	9.7	8.44	6.16	1.21	12.1	9.18	5.74	1.32	14.3	9.83	5.4	1.41	16.4
8	7	8.1	5.57	1	8.19	7.01	6.4	0.86	6.13	7.85	5.95	0.96	7.69	8.59	5.51	1.06	9.21	9.2	5.18	1.13	10.5
9	3	9.43	6.21	2.7	60.4	8.3	7.03	2.38	46.8	9.17	6.52	2.63	57.1	9.95	6.12	2.85	67.3	10.6	5.79	3.04	76.2
9	4	8.9	5.99	1.91	30.3	7.81	6.82	1.68	23.3	8.64	6.33	1.86	28.5	9.38	5.95	2.02	33.6	10	5.58	2.16	38.6
9	5	8.43	5.74	1.45	17.4	7.22	6.66	1.24	12.8	8.16	6.12	1.4	16.3	8.89	5.7	1.53	19.3	9.56	5.33	1.64	22.3
9	6	7.87	5.53	1.13	10.5	6.68	6.45	0.96	7.57	7.59	5.92	1.09	9.77	8.4	5.43	1.2	12	9.06	5.08	1.3	13.9
9	7	7.28	5.26	0.89	6.61	6.23	6.23	0.77	4.84	7.03	5.65	0.86	6.16	7.78	5.26	0.96	7.55	8.43	4.86	1.04	8.86
10	3	8.65	5.89	2.48	50.8	7.45	6.76	2.13	37.7	8.3	6.28	2.38	46.8	9.14	5.86	2.62	56.7	9.85	5.49	2.82	65.9
10	4	8.12	5.67	1.75	25.2	6.89	6.62	1.48	18.1	7.84	6.07	1.69	23.5	8.64	5.64	1.86	28.5	9.28	5.28	2	32.9
10	5	7.59	5.49	1.3	14.1	6.45	6.45	1.11	10.2	7.26	5.88	1.25	12.9	8.09	5.42	1.39	16	8.79	5.04	1.51	18.9
10	6	7.07	5.25	1.01	8.48	6.12	6.12	0.88	6.35	6.75	5.65	0.97	7.73	7.56	5.12	1.08	9.7	8.22	4.79	1.18	11.5
10	7	6.45	5.02	0.79	5.19	5.75	5.75	0.71	4.13	6.14	5.44	0.75	4.71	6.93	4.97	0.85	5.99	7.68	4.55	0.94	7.36
11	3	7.81	5.63	2.24	41.4	6.62	6.62	1.9	29.8	7.53	5.99	2.16	38.5	8.31	5.6	2.38	46.9	9.06	5.19	2.6	55.7
11	4	7.32	5.43	1.57	20.5	6.3	6.3	1.35	15.2	7.03	5.77	1.51	18.9	7.82	5.33	1.68	23.4	8.55	4.98	1.84	27.9
11	5	6.76	5.22	1.16	11.2	5.99	5.99	1.03	8.77	6.45	5.63	1.11	10.2	7.28	5.11	1.25	12.9	7.99	4.75	1.37	15.6
11	6	6.16	5.01	0.88	6.44	5.61	5.61	0.8	5.35	5.92	5.37	0.85	5.95	6.72	4.94	0.96	7.66	7.42	4.51	1.06	9.34
11	7	5.49	4.83	0.67	3.75	5.29	5.29	0.65	3.49	5.29	5.29	0.65	3.49	6.09	4.69	0.75	4.62	6.83	4.24	0.84	5.82
12	3	6.98	5.36	2	33.1	6.13	6.13	1.76	25.5	6.65	5.78	1.91	30	7.53	5.28	2.16	38.5	8.23	4.91	2.36	46
12	4	6.47	5.18	1.39	16	5.84	5.84	1.25	13	6.14	5.58	1.32	14.4	7	5.08	1.5	18.7	7.74	4.69	1.66	22.9
12	5	5.91	5	1.02	8.53	5.58	5.58	0.96	7.62	5.6	5.4	0.96	7.66	6.45	4.9	1.11	10.2	7.18	4.48	1.24	12.6
12	6	5.25	4.83	0.75	4.68	5.19	5.19	0.74	4.58	5.19	5.09	0.74	4.58	5.85	4.69	0.84	5.81	6.58	4.23	0.94	7.35
12	7	4.65	4.65	0.57	2.69	4.83	4.83	0.59	2.91	4.79	4.79	0.59	2.86	5.11	4.45	0.63	3.26	5.98	3.98	0.73	4.46
13	3	6.1	5.12	1.75	25.3	5.65	5.65	1.62	21.7	5.75	5.56	1.65	22.5	6.63	5.02	1.9	29.9	7.42	4.63	2.13	37.4
13	4	5.58	4.93	1.2	11.9	5.39	5.39	1.16	11.1	5.39	5.29	1.16	11.1	6.1	4.9	1.31	14.2	6.89	4.41	1.48	18.1
13	5	4.98	4.87	0.86	6.07	5.02	5.02	0.86	6.17	5.04	5.04	0.87	6.21	5.57	4.66	0.96	7.59	6.34	4.2	1.09	9.83
13	6	4.54	4.54	0.65	3.49	4.69	4.69	0.67	3.73	4.69	4.69	0.67	3.73	4.91	4.49	0.7	4.1	5.72	3.98	0.82	5.56
13	7	4.14	4.14	0.51	2.14	4.3	4.3	0.53	2.3	4.31	4.31	0.53	2.32	4.31	4.21	0.53	2.32	5.01	3.75	0.62	3.13

Cooling Capacity (Cont.)

MKT3-1200G30 & MKT3-1200G50

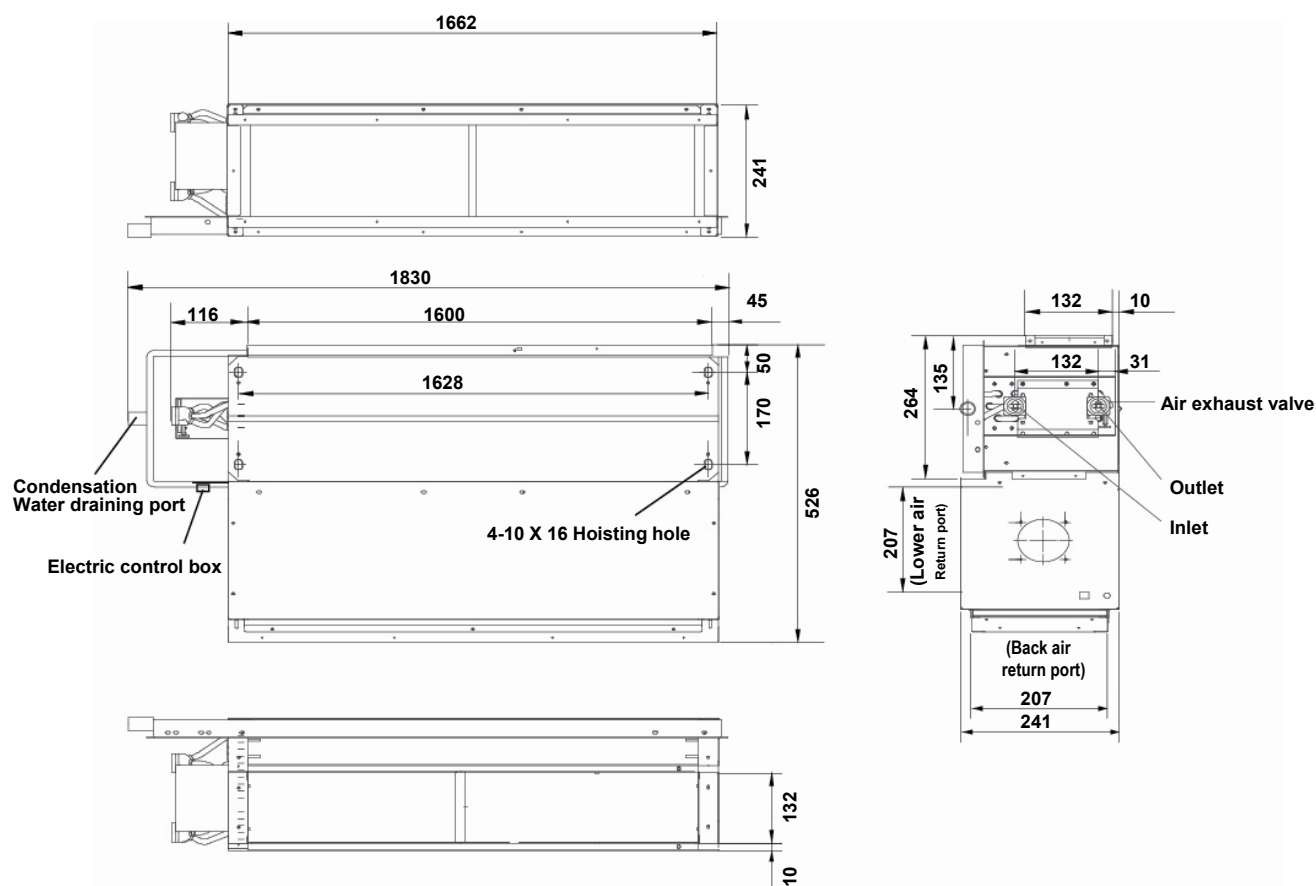
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-1200	
	TC	SC
High	1	1
Medium	0.82	0.8
Low	0.71	0.7

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT3 Series – 3 Rows Coil – 2 Pipe System

MKT3-1400G30 & MKT3-1400G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	14.1	8.47	4.03	122	12.9	9.31	3.7	102	13.8	8.83	3.95	117	14.6	8.45	4.17	131	15.4	8.07	4.41	146
5	4	13.5	8.21	2.91	63.3	12.4	9.02	2.67	53.4	13.3	8.58	2.86	61.2	14.1	8.21	3.03	68.6	14.8	7.8	3.18	75.7
5	5	12.9	7.93	2.22	37.1	11.8	8.82	2.03	31	12.7	8.31	2.18	35.6	13.5	7.91	2.32	40.5	14.2	12.3	2.44	44.7
5	6	12.4	7.7	1.77	23.5	11.3	8.52	1.61	19.5	12.1	8.02	1.74	22.6	13	7.61	1.86	25.9	13.6	7.23	1.95	28.4
5	7	11.7	7.34	1.44	15.6	10.6	8.31	1.31	12.8	11.5	7.75	1.41	14.9	12.3	7.34	1.51	17.2	13	6.94	1.6	19.1
6	3	13.3	8.13	3.8	108	12.1	8.96	3.46	90	13	8.48	3.71	103	13.8	8.09	3.96	117	14.6	7.7	4.18	131
6	4	12.7	7.85	2.74	56.2	11.5	8.67	2.48	46.2	12.4	8.2	2.67	53.6	13.3	7.83	2.85	61	14	7.45	3.01	68
6	5	12.1	7.56	2.08	32.6	11	8.44	1.89	26.9	11.9	7.96	2.04	31.3	12.7	7.5	2.18	35.5	13.4	7.16	2.31	40.1
6	6	11.5	7.34	1.65	20.5	10.4	8.15	1.5	16.8	11.3	7.66	1.62	19.6	12.1	7.21	1.74	22.6	12.8	6.84	1.83	25.2
6	7	10.9	7	1.34	13.5	9.79	7.94	1.2	10.8	10.7	7.45	1.31	12.9	11.4	6.97	1.4	14.8	12.2	6.56	1.5	16.9
7	3	12.4	7.74	3.55	94.5	11.2	8.61	3.22	77.8	12.1	8.13	3.47	90.4	13	7.72	3.73	104	13.7	7.32	3.94	116
7	4	11.9	7.46	2.55	48.9	10.6	8.42	2.29	39.3	11.6	7.86	2.48	46.3	12.4	7.46	2.67	53.4	13.2	7.08	2.84	60.4
7	5	11.3	7.19	1.94	28.2	10.1	8.15	1.74	22.7	11	7.59	1.9	27	11.8	7.13	2.03	31	12.6	6.8	2.16	35
7	6	10.7	6.99	1.53	17.6	9.52	7.89	1.36	14	10.5	7.32	1.5	17	11.3	6.86	1.62	19.6	12	6.49	1.72	22.1
7	7	10.1	6.67	1.24	11.6	8.88	7.61	1.09	8.93	9.77	7.1	1.2	10.8	10.6	6.64	1.3	12.8	11.3	6.22	1.39	14.6
8	3	11.5	7.4	3.31	82.1	10.3	8.31	2.95	65.4	11.3	7.75	3.23	78.3	12.1	7.32	3.48	90.7	12.9	6.92	3.7	103
8	4	11	7.15	2.37	42.2	9.79	8.04	2.1	33.2	10.7	7.58	2.3	39.7	11.5	7.08	2.48	46.2	12.3	6.72	2.64	52.4
8	5	10.5	6.84	1.8	24.3	9.18	7.8	1.58	18.7	10.2	7.26	1.75	22.9	11	6.83	1.89	26.9	11.8	6.45	2.02	30.7
8	6	9.79	6.64	1.4	14.8	8.59	7.59	1.23	11.4	9.6	7	1.38	14.2	10.4	6.53	1.5	16.8	11.2	6.14	1.6	19.2
8	7	9.22	6.33	1.13	9.62	7.97	7.27	0.98	7.2	8.93	6.76	1.1	9.03	9.77	6.27	1.2	10.8	10.5	5.89	1.28	12.4
9	3	10.7	7.07	3.08	70.9	9.44	7.99	2.71	54.9	10.4	7.42	2.99	67	11.3	6.96	3.24	78.9	12	6.59	3.45	89.5
9	4	10.1	6.81	2.18	35.5	8.88	7.75	1.91	27.4	9.82	7.19	2.11	33.4	10.7	6.76	2.29	39.4	11.4	6.35	2.46	45.3
9	5	9.58	6.53	1.65	20.4	8.21	7.58	1.41	15	9.28	6.96	1.6	19.1	10.1	6.48	1.74	22.7	10.9	6.06	1.87	26.2
9	6	8.94	6.29	1.28	12.3	7.59	7.34	1.09	8.88	8.63	6.73	1.24	11.5	9.55	6.18	1.37	14.1	10.3	5.78	1.48	16.3
9	7	8.28	5.98	1.02	7.76	7.08	7.08	0.87	5.68	7.99	6.43	0.98	7.23	8.85	5.98	1.09	8.87	9.58	5.52	1.18	10.4
10	3	9.84	6.7	2.82	59.6	8.47	7.69	2.43	44.2	9.44	7.15	2.71	54.9	10.4	6.67	2.98	66.6	11.2	6.24	3.21	77.4
10	4	9.23	6.45	1.98	29.6	7.83	7.53	1.68	21.3	8.91	6.91	1.92	27.5	9.82	6.41	2.11	33.4	10.6	6	2.27	38.6
10	5	8.63	6.24	1.48	16.5	7.34	7.34	1.26	11.9	8.26	6.68	1.42	15.1	9.2	6.16	1.58	18.8	10	5.73	1.72	22.2
10	6	8.04	5.97	1.15	9.96	6.96	6.96	1	7.46	7.67	6.43	1.1	9.07	8.59	5.83	1.23	11.4	9.34	5.44	1.34	13.5
10	7	7.34	5.71	0.9	6.1	6.54	6.54	0.8	4.85	6.99	6.19	0.86	5.53	7.88	5.65	0.97	7.03	8.74	5.17	1.07	8.65
11	3	8.88	6.4	2.55	48.6	7.53	7.53	2.16	34.9	8.56	6.81	2.45	45.2	9.45	6.37	2.71	55.1	10.3	5.9	2.95	65.4
11	4	8.32	6.18	1.79	24	7.16	7.16	1.54	17.8	7.99	6.56	1.72	22.1	8.9	6.06	1.91	27.4	9.72	5.67	2.09	32.8
11	5	7.69	5.94	1.32	13.1	6.81	6.81	1.17	10.3	7.34	6.4	1.26	11.9	8.28	5.81	1.42	15.2	9.09	5.4	1.56	18.3
11	6	7	5.7	1	7.56	6.38	6.38	0.91	6.28	6.73	6.11	0.97	6.99	7.64	5.62	1.1	9	8.44	5.13	1.21	11
11	7	6.24	5.49	0.77	4.41	6.02	6.02	0.74	4.1	6.02	6.02	0.74	4.1	6.92	5.33	0.85	5.43	7.77	4.82	0.95	6.83
12	3	7.94	6.1	2.28	38.9	6.97	6.97	2	30	7.56	6.57	2.17	35.2	8.56	6	2.45	45.2	9.36	5.59	2.68	54
12	4	7.35	5.89	1.58	18.8	6.64	6.64	1.43	15.3	6.99	6.35	1.5	16.9	7.96	5.78	1.71	22	8.8	5.33	1.89	26.9
12	5	6.72	5.68	1.16	10	6.35	6.35	1.09	8.95	6.37	6.14	1.1	9	7.34	5.57	1.26	11.9	8.17	5.09	1.4	14.8
12	6	5.97	5.49	0.86	5.49	5.9	5.9	0.85	5.37	5.9	5.79	0.85	5.37	6.65	5.33	0.95	6.82	7.48	4.81	1.07	8.62
12	7	5.28	5.28	0.65	3.16	5.49	5.49	0.67	3.41	5.44	5.44	0.67	3.36	5.81	5.06	0.71	3.82	6.8	4.52	0.83	5.23
13	3	6.94	5.83	1.99	29.7	6.43	6.43	1.84	25.5	6.54	6.32	1.88	26.4	7.54	5.71	2.16	35.1	8.44	5.27	2.42	43.9
13	4	6.35	5.6	1.37	14	6.13	6.13	1.32	13	6.13	6.02	1.32	13	6.94	5.57	1.49	16.7	7.83	5.01	1.68	21.3
13	5	5.67	5.54	0.97	7.13	5.71	5.71	0.98	7.25	5.73	5.73	0.99	7.29	6.33	5.3	1.09	8.91	7.21	4.77	1.24	11.5
13	6	5.16	5.16	0.74	4.1	5.33	5.33	0.76	4.38	5.33	5.33	0.76	4.38	5.59	5.11	0.8	4.81	6.51	4.52	0.93	6.53
13	7	4.71	4.71	0.58	2.51	4.89	4.89	0.6	2.7	4.9	4.9	0.6	2.72	4.9	4.79	0.6	2.72	5.7	4.27	0.7	3.68

Cooling Capacity (Cont.)

MKT3-1400G30 & MKT3-1400G50

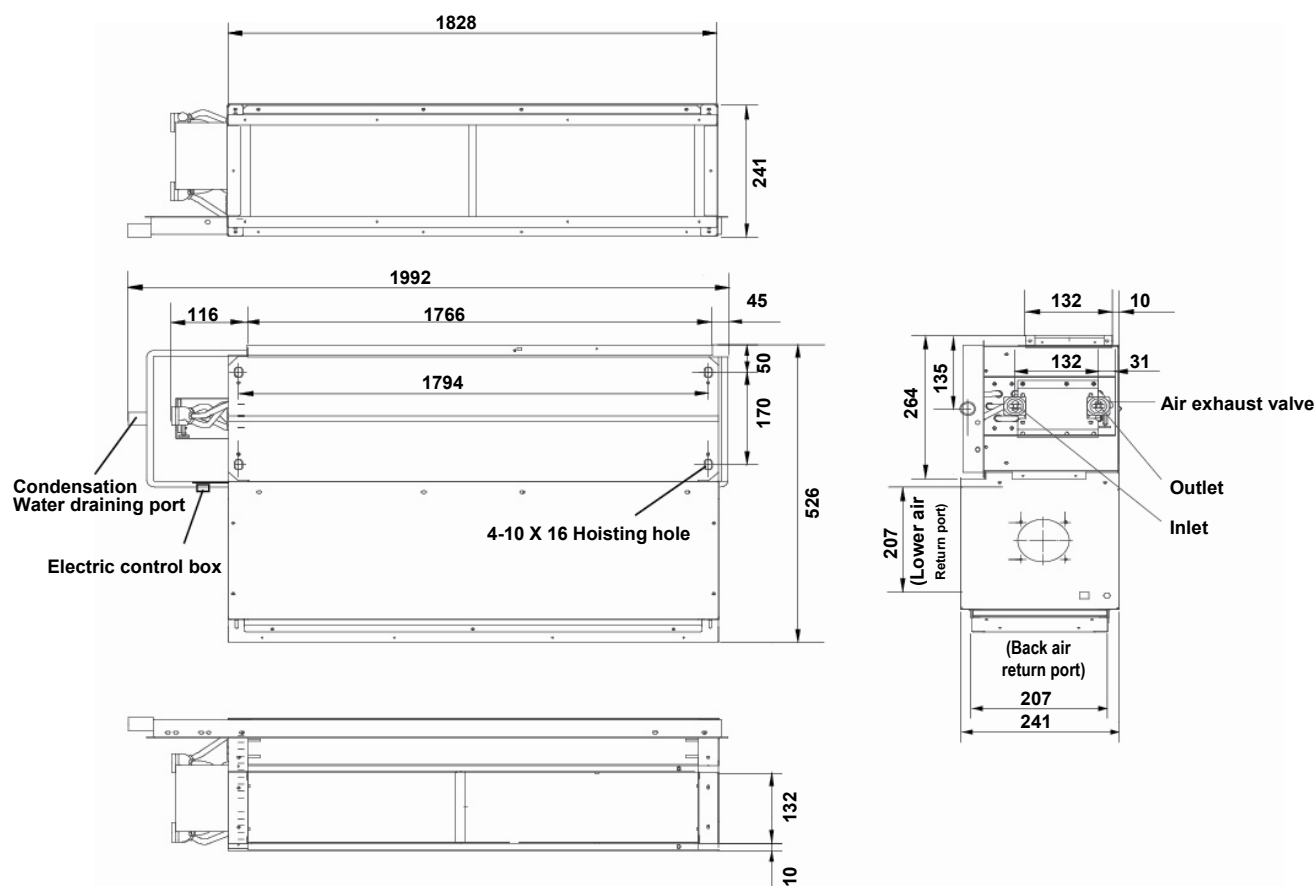
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT3-1400	
	TC	SC
High	1	1
Medium	0.81	0.78
Low	0.7	0.69

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-200G30

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	2.87	1.73	0.82	11.7	2.63	1.9	0.75	9.87	2.81	1.8	0.81	11.3	2.97	1.72	0.85	12.6	3.14	1.65	0.9	14
5	4	2.76	1.68	0.59	6.1	2.53	1.84	0.54	5.15	2.71	1.75	0.58	5.9	2.87	1.68	0.62	6.61	3.01	1.59	0.65	7.28
5	5	2.64	1.62	0.45	3.57	2.41	1.8	0.41	2.99	2.58	1.69	0.44	3.43	2.76	1.61	0.47	3.9	2.9	2.5	0.5	4.31
5	6	2.52	1.57	0.36	2.26	2.3	1.74	0.33	1.88	2.47	1.64	0.35	2.18	2.64	1.55	0.38	2.49	2.77	1.47	0.4	2.74
5	7	2.4	1.5	0.29	1.5	2.17	1.69	0.27	1.23	2.34	1.58	0.29	1.44	2.51	1.5	0.31	1.65	2.65	1.42	0.33	1.84
6	3	2.7	1.66	0.78	10.4	2.46	1.83	0.71	8.66	2.64	1.73	0.76	9.96	2.81	1.65	0.81	11.3	2.98	1.57	0.85	12.6
6	4	2.6	1.6	0.56	5.41	2.35	1.77	0.51	4.45	2.54	1.67	0.55	5.16	2.7	1.6	0.58	5.87	2.86	1.52	0.61	6.55
6	5	2.47	1.54	0.42	3.14	2.25	1.72	0.39	2.59	2.42	1.62	0.42	3.01	2.58	1.53	0.44	3.42	2.74	1.46	0.47	3.87
6	6	2.35	1.5	0.34	1.98	2.13	1.66	0.31	1.62	2.3	1.56	0.33	1.88	2.47	1.47	0.35	2.18	2.61	1.4	0.37	2.42
6	7	2.23	1.43	0.27	1.3	2	1.62	0.25	1.04	2.18	1.52	0.27	1.24	2.33	1.42	0.29	1.42	2.49	1.34	0.31	1.62
7	3	2.53	1.58	0.72	9.1	2.29	1.76	0.66	7.5	2.47	1.66	0.71	8.71	2.65	1.57	0.76	10	2.8	1.49	0.8	11.2
7	4	2.42	1.52	0.52	4.71	2.17	1.72	0.47	3.79	2.36	1.6	0.51	4.46	2.53	1.52	0.54	5.15	2.69	1.44	0.58	5.81
7	5	2.3	1.47	0.4	2.71	2.06	1.66	0.35	2.18	2.25	1.55	0.39	2.6	2.41	1.45	0.41	2.99	2.56	1.39	0.44	3.37
7	6	2.18	1.43	0.31	1.69	1.94	1.61	0.28	1.34	2.14	1.49	0.31	1.63	2.3	1.4	0.33	1.89	2.44	1.32	0.35	2.13
7	7	2.06	1.36	0.25	1.11	1.81	1.55	0.22	0.86	1.99	1.45	0.24	1.04	2.17	1.35	0.27	1.23	2.31	1.27	0.28	1.4
8	3	2.35	1.51	0.67	7.9	2.1	1.69	0.6	6.3	2.3	1.58	0.66	7.54	2.47	1.49	0.71	8.73	2.63	1.41	0.75	9.89
8	4	2.25	1.46	0.48	4.06	2	1.64	0.43	3.2	2.18	1.55	0.47	3.82	2.35	1.44	0.51	4.45	2.51	1.37	0.54	5.04
8	5	2.14	1.4	0.37	2.34	1.87	1.59	0.32	1.8	2.07	1.48	0.36	2.2	2.25	1.39	0.39	2.59	2.4	1.31	0.41	2.96
8	6	2	1.35	0.29	1.42	1.75	1.55	0.25	1.1	1.96	1.43	0.28	1.37	2.13	1.33	0.31	1.62	2.28	1.25	0.33	1.85
8	7	1.88	1.29	0.23	0.93	1.63	1.48	0.2	0.69	1.82	1.38	0.22	0.87	1.99	1.28	0.24	1.04	2.13	1.2	0.26	1.19
9	3	2.19	1.44	0.63	6.83	1.93	1.63	0.55	5.29	2.13	1.51	0.61	6.45	2.31	1.42	0.66	7.6	2.46	1.34	0.7	8.62
9	4	2.06	1.39	0.44	3.42	1.81	1.58	0.39	2.63	2	1.47	0.43	3.22	2.18	1.38	0.47	3.8	2.33	1.3	0.5	4.36
9	5	1.95	1.33	0.34	1.96	1.68	1.55	0.29	1.44	1.89	1.42	0.33	1.84	2.06	1.32	0.35	2.18	2.22	1.24	0.38	2.53
9	6	1.82	1.28	0.26	1.19	1.55	1.5	0.22	0.86	1.76	1.37	0.25	1.1	1.95	1.26	0.28	1.35	2.1	1.18	0.3	1.57
9	7	1.69	1.22	0.21	0.75	1.44	1.44	0.18	0.55	1.63	1.31	0.2	0.7	1.81	1.22	0.22	0.85	1.95	1.13	0.24	1
10	3	2.01	1.37	0.58	5.74	1.73	1.57	0.5	4.26	1.93	1.46	0.55	5.29	2.12	1.36	0.61	6.41	2.29	1.27	0.66	7.45
10	4	1.88	1.31	0.4	2.85	1.6	1.54	0.34	2.05	1.82	1.41	0.39	2.65	2	1.31	0.43	3.22	2.15	1.22	0.46	3.72
10	5	1.76	1.27	0.3	1.59	1.5	1.5	0.26	1.15	1.69	1.36	0.29	1.46	1.88	1.26	0.32	1.81	2.04	1.17	0.35	2.14
10	6	1.64	1.22	0.24	0.96	1.42	1.42	0.2	0.72	1.56	1.31	0.22	0.87	1.75	1.19	0.25	1.1	1.91	1.11	0.27	1.3
10	7	1.5	1.17	0.18	0.59	1.33	1.33	0.16	0.47	1.43	1.26	0.18	0.53	1.61	1.15	0.2	0.68	1.78	1.06	0.22	0.83
11	3	1.81	1.31	0.52	4.68	1.54	1.54	0.44	3.36	1.75	1.39	0.5	4.35	1.93	1.3	0.55	5.31	2.1	1.2	0.6	6.3
11	4	1.7	1.26	0.37	2.31	1.46	1.46	0.31	1.71	1.63	1.34	0.35	2.13	1.81	1.24	0.39	2.64	1.98	1.16	0.43	3.16
11	5	1.57	1.21	0.27	1.26	1.39	1.39	0.24	0.99	1.5	1.31	0.26	1.15	1.69	1.19	0.29	1.46	1.85	1.1	0.32	1.77
11	6	1.43	1.16	0.2	0.73	1.3	1.3	0.19	0.6	1.37	1.25	0.2	0.67	1.56	1.15	0.22	0.87	1.72	1.05	0.25	1.06
11	7	1.27	1.12	0.16	0.42	1.23	1.23	0.15	0.39	1.23	1.23	0.15	0.39	1.41	1.09	0.17	0.52	1.58	0.98	0.19	0.66
12	3	1.62	1.24	0.46	3.74	1.42	1.42	0.41	2.89	1.54	1.34	0.44	3.39	1.75	1.22	0.5	4.35	1.91	1.14	0.55	5.2
12	4	1.5	1.2	0.32	1.81	1.35	1.35	0.29	1.47	1.43	1.3	0.31	1.63	1.62	1.18	0.35	2.11	1.8	1.09	0.39	2.59
12	5	1.37	1.16	0.24	0.96	1.3	1.3	0.22	0.86	1.3	1.25	0.22	0.87	1.5	1.14	0.26	1.15	1.67	1.04	0.29	1.42
12	6	1.22	1.12	0.17	0.53	1.2	1.2	0.17	0.52	1.2	1.18	0.17	0.52	1.36	1.09	0.19	0.66	1.53	0.98	0.22	0.83
12	7	1.08	1.08	0.13	0.3	1.12	1.12	0.14	0.33	1.11	1.11	0.14	0.32	1.19	1.03	0.15	0.37	1.39	0.92	0.17	0.5
13	3	1.42	1.19	0.41	2.86	1.31	1.31	0.38	2.45	1.33	1.29	0.38	2.54	1.54	1.17	0.44	3.38	1.72	1.07	0.49	4.22
13	4	1.3	1.14	0.28	1.35	1.25	1.25	0.27	1.25	1.25	1.23	0.27	1.25	1.42	1.14	0.3	1.61	1.6	1.02	0.34	2.05
13	5	1.16	1.13	0.2	0.69	1.17	1.17	0.2	0.7	1.17	1.17	0.2	0.7	1.29	1.08	0.22	0.86	1.47	0.97	0.25	1.11
13	6	1.05	1.05	0.15	0.39	1.09	1.09	0.16	0.42	1.09	1.09	0.16	0.42	1.14	1.04	0.16	0.46	1.33	0.92	0.19	0.63
13	7	0.96	0.96	0.12	0.24	1	1	0.12	0.26	1	1	0.12	0.26	1	0.98	0.12	0.26	1.16	0.87	0.14	0.35

Cooling Capacity (Cont.)

MKT4-200G30

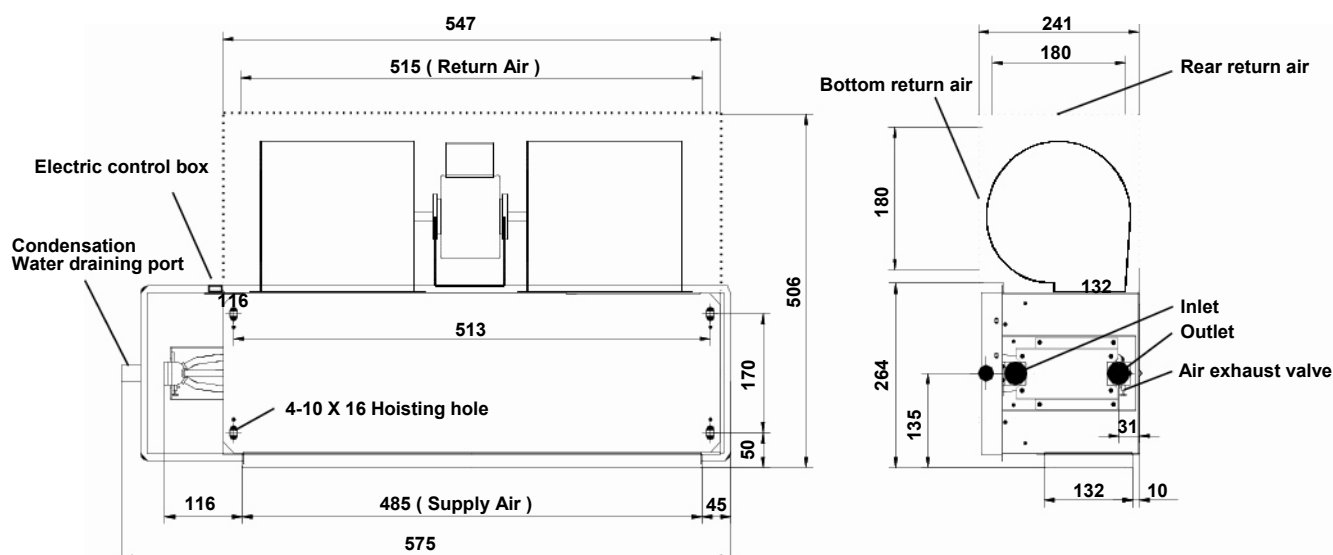
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-200	
	TC	SC
High	1	1
Medium	0.86	0.83
Low	0.75	0.72

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-300G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	4.01	2.42	1.15	22.5	3.68	2.66	1.06	19	3.93	2.52	1.13	21.6	4.16	2.41	1.19	24.2	4.39	2.3	1.26	27
5	4	3.86	2.35	0.83	11.7	3.55	2.58	0.76	9.9	3.8	2.45	0.82	11.3	4.02	2.35	0.86	12.7	4.22	2.23	0.91	14
5	5	3.69	2.26	0.63	6.86	3.38	2.52	0.58	5.75	3.62	2.37	0.62	6.6	3.86	2.26	0.66	7.5	4.05	3.5	0.7	8.28
5	6	3.53	2.2	0.51	4.35	3.21	2.43	0.46	3.61	3.46	2.29	0.5	4.19	3.7	2.17	0.53	4.79	3.88	2.06	0.56	5.26
5	7	3.35	2.1	0.41	2.89	3.04	2.37	0.37	2.37	3.28	2.21	0.4	2.76	3.52	2.1	0.43	3.18	3.71	1.98	0.46	3.55
6	3	3.79	2.32	1.09	20.1	3.45	2.56	0.99	16.7	3.7	2.42	1.06	19.2	3.94	2.31	1.13	21.7	4.17	2.2	1.19	24.3
6	4	3.64	2.24	0.78	10.4	3.3	2.48	0.71	8.55	3.55	2.34	0.76	9.92	3.79	2.24	0.81	11.3	4	2.13	0.86	12.6
6	5	3.46	2.16	0.59	6.03	3.15	2.41	0.54	4.99	3.39	2.27	0.58	5.79	3.61	2.14	0.62	6.58	3.84	2.05	0.66	7.43
6	6	3.3	2.1	0.47	3.8	2.98	2.33	0.43	3.11	3.22	2.19	0.46	3.62	3.46	2.06	0.5	4.19	3.65	1.95	0.52	4.66
6	7	3.12	2	0.38	2.51	2.8	2.27	0.34	2.01	3.05	2.13	0.37	2.38	3.26	1.99	0.4	2.74	3.49	1.87	0.43	3.12
7	3	3.54	2.21	1.01	17.5	3.21	2.46	0.92	14.4	3.46	2.32	0.99	16.7	3.71	2.2	1.06	19.3	3.92	2.09	1.12	21.5
7	4	3.39	2.13	0.73	9.05	3.04	2.4	0.65	7.28	3.3	2.25	0.71	8.57	3.55	2.13	0.76	9.9	3.77	2.02	0.81	11.2
7	5	3.22	2.05	0.55	5.22	2.89	2.33	0.5	4.2	3.15	2.17	0.54	5	3.38	2.04	0.58	5.75	3.59	1.94	0.62	6.48
7	6	3.05	2	0.44	3.26	2.72	2.25	0.39	2.59	3	2.09	0.43	3.14	3.22	1.96	0.46	3.63	3.42	1.85	0.49	4.1
7	7	2.89	1.9	0.35	2.14	2.54	2.17	0.31	1.65	2.79	2.03	0.34	2	3.03	1.9	0.37	2.36	3.24	1.78	0.4	2.7
8	3	3.3	2.11	0.94	15.2	2.94	2.37	0.84	12.1	3.22	2.21	0.92	14.5	3.46	2.09	0.99	16.8	3.69	1.98	1.06	19
8	4	3.15	2.04	0.68	7.81	2.8	2.3	0.6	6.15	3.05	2.16	0.66	7.35	3.3	2.02	0.71	8.55	3.51	1.92	0.75	9.7
8	5	2.99	1.95	0.51	4.51	2.62	2.23	0.45	3.47	2.9	2.07	0.5	4.24	3.15	1.95	0.54	4.99	3.36	1.84	0.58	5.69
8	6	2.8	1.9	0.4	2.73	2.45	2.17	0.35	2.11	2.74	2	0.39	2.63	2.98	1.86	0.43	3.11	3.19	1.75	0.46	3.56
8	7	2.63	1.81	0.32	1.78	2.28	2.08	0.28	1.33	2.55	1.93	0.31	1.67	2.79	1.79	0.34	2	2.99	1.68	0.37	2.29
9	3	3.06	2.02	0.88	13.1	2.7	2.28	0.77	10.2	2.98	2.12	0.85	12.4	3.23	1.99	0.93	14.6	3.44	1.88	0.99	16.6
9	4	2.89	1.95	0.62	6.58	2.54	2.21	0.55	5.07	2.8	2.05	0.6	6.19	3.05	1.93	0.65	7.3	3.26	1.81	0.7	8.39
9	5	2.74	1.86	0.47	3.77	2.35	2.16	0.4	2.77	2.65	1.99	0.46	3.54	2.89	1.85	0.5	4.2	3.1	1.73	0.53	4.86
9	6	2.55	1.8	0.37	2.28	2.17	2.1	0.31	1.65	2.46	1.92	0.35	2.12	2.73	1.76	0.39	2.6	2.94	1.65	0.42	3.03
9	7	2.36	1.71	0.29	1.44	2.02	2.02	0.25	1.05	2.28	1.84	0.28	1.34	2.53	1.71	0.31	1.64	2.74	1.58	0.34	1.93
10	3	2.81	1.91	0.81	11	2.42	2.2	0.69	8.19	2.7	2.04	0.77	10.2	2.97	1.9	0.85	12.3	3.2	1.78	0.92	14.3
10	4	2.64	1.84	0.57	5.47	2.24	2.15	0.48	3.94	2.55	1.97	0.55	5.1	2.8	1.83	0.6	6.19	3.01	1.71	0.65	7.15
10	5	2.46	1.78	0.42	3.06	2.1	2.1	0.36	2.21	2.36	1.91	0.41	2.8	2.63	1.76	0.45	3.48	2.85	1.64	0.49	4.11
10	6	2.3	1.7	0.33	1.84	1.99	1.99	0.28	1.38	2.19	1.84	0.31	1.68	2.45	1.66	0.35	2.11	2.67	1.55	0.38	2.49
10	7	2.1	1.63	0.26	1.13	1.87	1.87	0.23	0.9	2	1.77	0.25	1.02	2.25	1.61	0.28	1.3	2.5	1.48	0.31	1.6
11	3	2.54	1.83	0.73	9	2.15	2.15	0.62	6.47	2.45	1.95	0.7	8.37	2.7	1.82	0.77	10.2	2.94	1.69	0.84	12.1
11	4	2.38	1.76	0.51	4.45	2.05	2.05	0.44	3.29	2.28	1.87	0.49	4.1	2.54	1.73	0.55	5.08	2.78	1.62	0.6	6.07
11	5	2.2	1.7	0.38	2.43	1.95	1.95	0.33	1.91	2.1	1.83	0.36	2.21	2.36	1.66	0.41	2.82	2.6	1.54	0.45	3.39
11	6	2	1.63	0.29	1.4	1.82	1.82	0.26	1.16	1.92	1.75	0.28	1.29	2.18	1.6	0.31	1.67	2.41	1.46	0.35	2.03
11	7	1.78	1.57	0.22	0.82	1.72	1.72	0.21	0.76	1.72	1.72	0.21	0.76	1.98	1.52	0.24	1.01	2.22	1.38	0.27	1.26
12	3	2.27	1.74	0.65	7.2	1.99	1.99	0.57	5.55	2.16	1.88	0.62	6.53	2.45	1.71	0.7	8.37	2.67	1.6	0.77	10
12	4	2.1	1.68	0.45	3.47	1.9	1.9	0.41	2.83	2	1.81	0.43	3.14	2.27	1.65	0.49	4.07	2.51	1.52	0.54	4.97
12	5	1.92	1.62	0.33	1.85	1.81	1.81	0.31	1.66	1.82	1.75	0.31	1.67	2.1	1.59	0.36	2.21	2.33	1.45	0.4	2.74
12	6	1.7	1.57	0.24	1.02	1.69	1.69	0.24	1	1.69	1.65	0.24	1	1.9	1.52	0.27	1.26	2.14	1.37	0.31	1.6
12	7	1.51	1.51	0.19	0.59	1.57	1.57	0.19	0.63	1.55	1.55	0.19	0.62	1.66	1.45	0.2	0.71	1.94	1.29	0.24	0.97
13	3	1.98	1.66	0.57	5.5	1.84	1.84	0.53	4.72	1.87	1.8	0.54	4.89	2.15	1.63	0.62	6.5	2.41	1.5	0.69	8.12
13	4	1.81	1.6	0.39	2.59	1.75	1.75	0.38	2.41	1.75	1.72	0.38	2.41	1.98	1.59	0.43	3.09	2.24	1.43	0.48	3.94
13	5	1.62	1.58	0.28	1.32	1.63	1.63	0.28	1.34	1.64	1.64	0.28	1.35	1.81	1.51	0.31	1.65	2.06	1.36	0.35	2.14
13	6	1.47	1.47	0.21	0.76	1.52	1.52	0.22	0.81	1.52	1.52	0.22	0.81	1.6	1.46	0.23	0.89	1.86	1.29	0.27	1.21
13	7	1.35	1.35	0.17	0.47	1.4	1.4	0.17	0.5	1.4	1.4	0.17	0.5	1.4	1.37	0.17	0.5	1.63	1.22	0.2	0.68

Cooling Capacity (Cont.)

MKT4-300G30

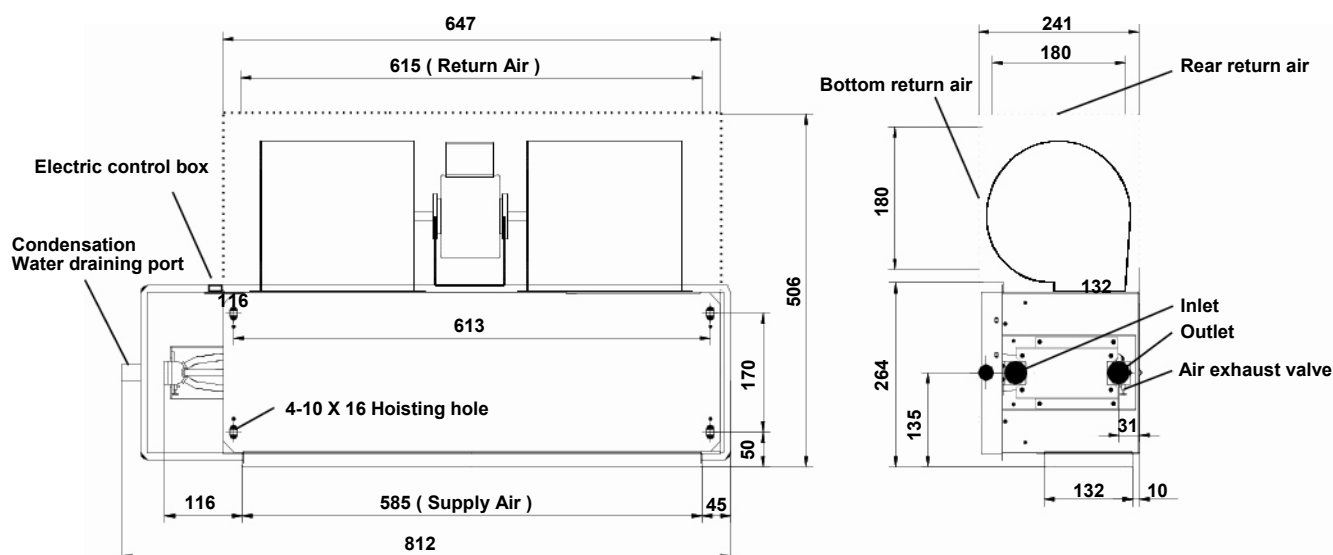
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-300	
	TC	SC
High	1	1
Medium	0.86	0.82
Low	0.75	0.72

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-400G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	5.08	3.06	1.46	36.5	4.66	3.37	1.34	30.7	4.98	3.2	1.43	35.1	5.27	3.06	1.51	39.2	5.56	2.92	1.59	43.7
5	4	4.89	2.97	1.05	19	4.49	3.26	0.97	16	4.81	3.1	1.03	18.4	5.09	2.97	1.09	20.6	5.34	2.82	1.15	22.7
5	5	4.68	2.87	0.8	11.1	4.28	3.19	0.74	9.31	4.58	3.01	0.79	10.7	4.89	2.86	0.84	12.2	5.14	4.44	0.88	13.4
5	6	4.47	2.79	0.64	7.05	4.07	3.08	0.58	5.85	4.38	2.9	0.63	6.78	4.69	2.75	0.67	7.76	4.91	2.61	0.7	8.52
5	7	4.25	2.65	0.52	4.69	3.85	3.01	0.47	3.84	4.15	2.8	0.51	4.47	4.46	2.65	0.55	5.16	4.7	2.51	0.58	5.74
6	3	4.8	2.94	1.37	32.5	4.37	3.24	1.25	27	4.69	3.07	1.34	31	4.99	2.92	1.43	35.2	5.28	2.79	1.51	39.4
6	4	4.61	2.84	0.99	16.9	4.17	3.14	0.9	13.9	4.5	2.97	0.97	16.1	4.8	2.83	1.03	18.3	5.07	2.69	1.09	20.4
6	5	4.38	2.73	0.75	9.77	3.98	3.05	0.69	8.08	4.3	2.88	0.74	9.39	4.58	2.71	0.79	10.7	4.87	2.59	0.84	12
6	6	4.17	2.65	0.6	6.16	3.78	2.95	0.54	5.04	4.08	2.77	0.58	5.87	4.38	2.61	0.63	6.78	4.62	2.48	0.66	7.55
6	7	3.96	2.53	0.49	4.06	3.54	2.87	0.44	3.25	3.86	2.69	0.47	3.86	4.13	2.52	0.51	4.44	4.42	2.37	0.54	5.06
7	3	4.48	2.8	1.28	28.4	4.06	3.11	1.17	23.4	4.38	2.94	1.26	27.1	4.7	2.79	1.35	31.3	4.97	2.65	1.42	34.9
7	4	4.3	2.7	0.92	14.7	3.85	3.05	0.83	11.8	4.18	2.84	0.9	13.9	4.49	2.7	0.97	16	4.77	2.56	1.03	18.1
7	5	4.08	2.6	0.7	8.45	3.66	2.95	0.63	6.8	3.99	2.75	0.69	8.1	4.28	2.58	0.74	9.31	4.54	2.46	0.78	10.5
7	6	3.86	2.53	0.55	5.27	3.44	2.86	0.49	4.19	3.79	2.65	0.54	5.09	4.08	2.48	0.59	5.89	4.34	2.35	0.62	6.64
7	7	3.66	2.41	0.45	3.47	3.21	2.75	0.39	2.68	3.54	2.57	0.43	3.24	3.84	2.4	0.47	3.83	4.11	2.25	0.5	4.37
8	3	4.17	2.68	1.2	24.6	3.73	3.01	1.07	19.6	4.08	2.8	1.17	23.5	4.39	2.65	1.26	27.2	4.67	2.5	1.34	30.8
8	4	3.99	2.59	0.86	12.7	3.54	2.91	0.76	9.97	3.87	2.74	0.83	11.9	4.17	2.56	0.9	13.9	4.44	2.43	0.96	15.7
8	5	3.79	2.48	0.65	7.3	3.32	2.82	0.57	5.62	3.67	2.63	0.63	6.87	3.98	2.47	0.69	8.08	4.25	2.33	0.73	9.21
8	6	3.54	2.4	0.51	4.43	3.11	2.75	0.45	3.42	3.47	2.53	0.5	4.26	3.78	2.36	0.54	5.04	4.04	2.22	0.58	5.77
8	7	3.33	2.29	0.41	2.88	2.88	2.63	0.35	2.16	3.23	2.45	0.4	2.71	3.54	2.27	0.43	3.24	3.78	2.13	0.46	3.71
9	3	3.88	2.56	1.11	21.3	3.41	2.89	0.98	16.5	3.77	2.68	1.08	20.1	4.09	2.52	1.17	23.7	4.36	2.38	1.25	26.8
9	4	3.66	2.46	0.79	10.7	3.21	2.8	0.69	8.21	3.55	2.6	0.76	10	3.86	2.45	0.83	11.8	4.13	2.3	0.89	13.6
9	5	3.47	2.36	0.6	6.11	2.97	2.74	0.51	4.49	3.36	2.52	0.58	5.73	3.66	2.34	0.63	6.8	3.93	2.19	0.68	7.87
9	6	3.24	2.27	0.46	3.7	2.75	2.65	0.39	2.66	3.12	2.44	0.45	3.44	3.45	2.23	0.5	4.22	3.73	2.09	0.53	4.9
9	7	2.99	2.16	0.37	2.33	2.56	2.56	0.31	1.7	2.89	2.33	0.36	2.17	3.2	2.16	0.39	2.66	3.47	2	0.43	3.12
10	3	3.56	2.42	1.02	17.9	3.06	2.78	0.88	13.3	3.41	2.59	0.98	16.5	3.76	2.41	1.08	20	4.05	2.26	1.16	23.2
10	4	3.34	2.33	0.72	8.87	2.83	2.72	0.61	6.38	3.22	2.5	0.69	8.26	3.55	2.32	0.76	10	3.82	2.17	0.82	11.6
10	5	3.12	2.26	0.54	4.95	2.65	2.65	0.46	3.58	2.99	2.42	0.51	4.54	3.33	2.23	0.57	5.63	3.62	2.07	0.62	6.65
10	6	2.91	2.16	0.42	2.99	2.52	2.52	0.36	2.24	2.78	2.33	0.4	2.72	3.11	2.11	0.45	3.42	3.38	1.97	0.48	4.04
10	7	2.65	2.07	0.33	1.83	2.37	2.37	0.29	1.45	2.53	2.24	0.31	1.66	2.85	2.04	0.35	2.11	3.16	1.87	0.39	2.59
11	3	3.21	2.31	0.92	14.6	2.72	2.72	0.78	10.5	3.1	2.46	0.89	13.6	3.42	2.3	0.98	16.5	3.73	2.14	1.07	19.6
11	4	3.01	2.23	0.65	7.21	2.59	2.59	0.56	5.34	2.89	2.37	0.62	6.64	3.22	2.19	0.69	8.23	3.52	2.05	0.76	9.84
11	5	2.78	2.15	0.48	3.93	2.46	2.46	0.42	3.09	2.65	2.31	0.46	3.58	2.99	2.1	0.51	4.56	3.29	1.95	0.57	5.5
11	6	2.53	2.06	0.36	2.27	2.31	2.31	0.33	1.88	2.44	2.21	0.35	2.1	2.76	2.03	0.4	2.7	3.05	1.85	0.44	3.29
11	7	2.26	1.99	0.28	1.32	2.18	2.18	0.27	1.23	2.18	2.18	0.27	1.23	2.5	1.93	0.31	1.63	2.81	1.74	0.35	2.05
12	3	2.87	2.21	0.82	11.7	2.52	2.52	0.72	8.99	2.73	2.38	0.78	10.6	3.1	2.17	0.89	13.6	3.39	2.02	0.97	16.2
12	4	2.66	2.13	0.57	5.63	2.4	2.4	0.52	4.58	2.53	2.3	0.54	5.08	2.88	2.09	0.62	6.59	3.18	1.93	0.68	8.06
12	5	2.43	2.06	0.42	3	2.3	2.3	0.4	2.69	2.3	2.22	0.4	2.7	2.65	2.02	0.46	3.58	2.95	1.84	0.51	4.44
12	6	2.16	1.99	0.31	1.65	2.14	2.14	0.31	1.61	2.14	2.1	0.31	1.61	2.41	1.93	0.34	2.05	2.71	1.74	0.39	2.59
12	7	1.91	1.91	0.23	0.95	1.99	1.99	0.24	1.02	1.97	1.97	0.24	1.01	2.1	1.83	0.26	1.15	2.46	1.64	0.3	1.57
13	3	2.51	2.11	0.72	8.91	2.33	2.33	0.67	7.65	2.37	2.29	0.68	7.91	2.73	2.07	0.78	10.5	3.05	1.91	0.87	13.2
13	4	2.3	2.03	0.49	4.2	2.22	2.22	0.48	3.91	2.22	2.18	0.48	3.91	2.51	2.02	0.54	5.01	2.83	1.81	0.61	6.38
13	5	2.05	2	0.35	2.14	2.07	2.07	0.36	2.17	2.07	2.07	0.36	2.19	2.29	1.92	0.39	2.67	2.61	1.73	0.45	3.46
13	6	1.87	1.87	0.27	1.23	1.93	1.93	0.28	1.31	1.93	1.93	0.28	1.31	2.02	1.85	0.29	1.44	2.35	1.64	0.34	1.96
13	7	1.7	1.7	0.21	0.75	1.77	1.77	0.22	0.81	1.77	1.77	0.22	0.82	1.77	1.73	0.22	0.82	2.06	1.54	0.25	1.1

Cooling Capacity (Cont.)

MKT4-400G30

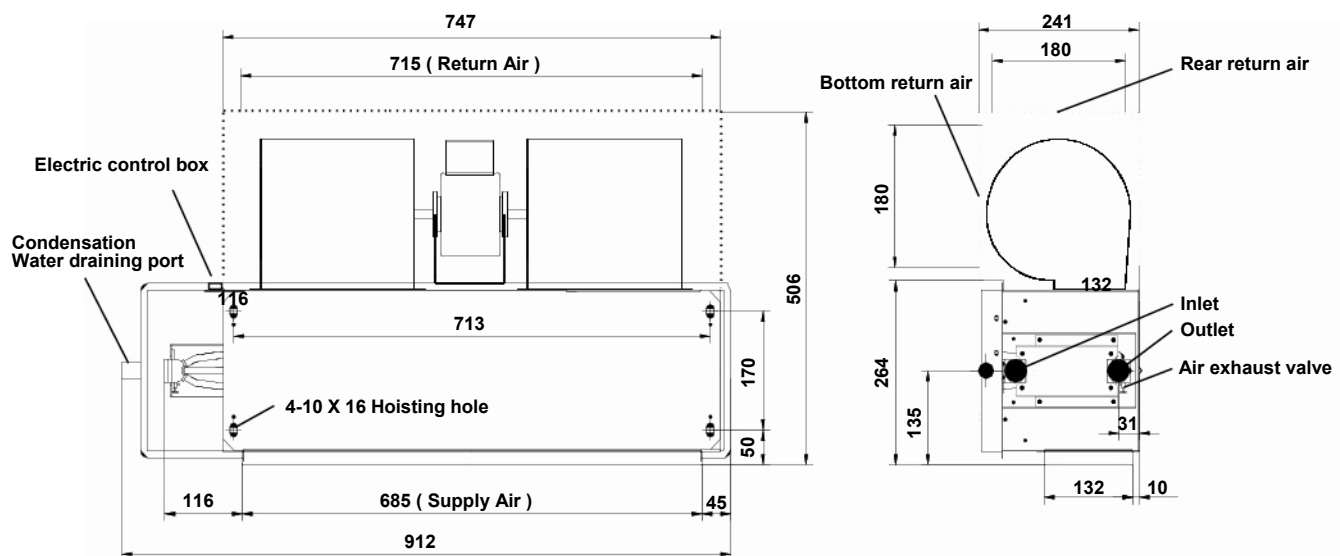
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-400	
	TC	SC
High	1	1
Medium	0.85	0.81
Low	0.73	0.7

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-500G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	5.62	3.39	1.61	44.2	5.15	3.72	1.48	37.2	5.5	3.53	1.58	42.4	5.82	3.38	1.67	47.5	6.15	3.23	1.76	52.9
5	4	5.4	3.28	1.16	23	4.96	3.61	1.07	19.4	5.31	3.43	1.14	22.2	5.63	3.28	1.21	24.9	5.91	3.12	1.27	27.5
5	5	5.17	3.17	0.89	13.5	4.73	3.53	0.81	11.3	5.07	3.32	0.87	12.9	5.4	3.16	0.93	14.7	5.68	4.91	0.98	16.2
5	6	4.94	3.08	0.71	8.53	4.5	3.4	0.64	7.08	4.84	3.21	0.69	8.21	5.18	3.04	0.74	9.39	5.43	2.89	0.78	10.3
5	7	4.7	2.93	0.58	5.67	4.25	3.32	0.52	4.65	4.59	3.1	0.56	5.41	4.93	2.93	0.61	6.24	5.2	2.77	0.64	6.95
6	3	5.3	3.25	1.52	39.3	4.83	3.58	1.38	32.7	5.18	3.39	1.48	37.6	5.52	3.23	1.58	42.6	5.84	3.08	1.67	47.7
6	4	5.09	3.14	1.09	20.4	4.61	3.47	0.99	16.8	4.97	3.28	1.07	19.4	5.3	3.13	1.14	22.1	5.6	2.98	1.2	24.7
6	5	4.84	3.02	0.83	11.8	4.4	3.37	0.76	9.77	4.75	3.18	0.82	11.4	5.06	3	0.87	12.9	5.38	2.86	0.92	14.6
6	6	4.61	2.93	0.66	7.45	4.17	3.26	0.6	6.1	4.51	3.06	0.65	7.1	4.84	2.88	0.69	8.21	5.11	2.74	0.73	9.14
6	7	4.37	2.8	0.54	4.91	3.91	3.18	0.48	3.94	4.26	2.98	0.52	4.67	4.57	2.79	0.56	5.37	4.88	2.62	0.6	6.12
7	3	4.95	3.09	1.42	34.3	4.49	3.44	1.29	28.3	4.84	3.25	1.39	32.8	5.2	3.09	1.49	37.8	5.49	2.93	1.57	42.2
7	4	4.75	2.98	1.02	17.7	4.26	3.37	0.92	14.3	4.62	3.14	0.99	16.8	4.96	2.98	1.07	19.4	5.28	2.83	1.13	21.9
7	5	4.51	2.88	0.77	10.2	4.04	3.26	0.7	8.23	4.41	3.04	0.76	9.8	4.73	2.85	0.81	11.3	5.02	2.72	0.86	12.7
7	6	4.27	2.79	0.61	6.38	3.81	3.16	0.55	5.07	4.19	2.93	0.6	6.15	4.51	2.74	0.65	7.12	4.79	2.6	0.69	8.04
7	7	4.04	2.67	0.5	4.2	3.55	3.04	0.44	3.24	3.91	2.84	0.48	3.93	4.24	2.65	0.52	4.63	4.54	2.49	0.56	5.29
8	3	4.61	2.96	1.32	29.8	4.12	3.32	1.18	23.7	4.51	3.1	1.29	28.4	4.85	2.93	1.39	32.9	5.16	2.77	1.48	37.3
8	4	4.41	2.86	0.95	15.3	3.91	3.21	0.84	12.1	4.28	3.03	0.92	14.4	4.61	2.83	0.99	16.8	4.91	2.69	1.06	19
8	5	4.19	2.74	0.72	8.84	3.67	3.12	0.63	6.79	4.06	2.9	0.7	8.31	4.4	2.73	0.76	9.77	4.7	2.58	0.81	11.1
8	6	3.91	2.65	0.56	5.36	3.44	3.04	0.49	4.13	3.84	2.8	0.55	5.15	4.17	2.61	0.6	6.1	4.47	2.46	0.64	6.98
8	7	3.68	2.53	0.45	3.49	3.19	2.91	0.39	2.61	3.57	2.7	0.44	3.28	3.91	2.51	0.48	3.93	4.18	2.35	0.51	4.49
9	3	4.29	2.83	1.23	25.7	3.77	3.19	1.08	19.9	4.17	2.97	1.19	24.3	4.52	2.78	1.3	28.7	4.82	2.63	1.38	32.5
9	4	4.05	2.72	0.87	12.9	3.55	3.1	0.76	9.93	3.93	2.88	0.84	12.1	4.26	2.7	0.92	14.3	4.57	2.54	0.98	16.4
9	5	3.83	2.61	0.66	7.4	3.28	3.03	0.56	5.43	3.71	2.78	0.64	6.94	4.04	2.59	0.7	8.23	4.35	2.42	0.75	9.52
9	6	3.58	2.51	0.51	4.48	3.04	2.93	0.44	3.22	3.45	2.69	0.49	4.16	3.82	2.47	0.55	5.1	4.12	2.31	0.59	5.93
9	7	3.31	2.39	0.41	2.82	2.83	2.83	0.35	2.06	3.19	2.57	0.39	2.62	3.54	2.39	0.43	3.22	3.83	2.21	0.47	3.77
10	3	3.93	2.68	1.13	21.6	3.39	3.07	0.97	16	3.77	2.86	1.08	19.9	4.16	2.67	1.19	24.2	4.48	2.49	1.28	28.1
10	4	3.69	2.58	0.79	10.7	3.13	3.01	0.67	7.72	3.56	2.76	0.77	10	3.93	2.56	0.84	12.1	4.22	2.4	0.91	14
10	5	3.45	2.49	0.59	5.99	2.93	2.93	0.5	4.34	3.3	2.67	0.57	5.5	3.68	2.46	0.63	6.82	4	2.29	0.69	8.05
10	6	3.21	2.39	0.46	3.61	2.78	2.78	0.4	2.71	3.07	2.57	0.44	3.29	3.44	2.33	0.49	4.13	3.74	2.18	0.54	4.88
10	7	2.93	2.28	0.36	2.21	2.62	2.62	0.32	1.76	2.79	2.48	0.34	2.01	3.15	2.26	0.39	2.55	3.49	2.07	0.43	3.14
11	3	3.55	2.56	1.02	17.6	3.01	3.01	0.86	12.7	3.42	2.72	0.98	16.4	3.78	2.55	1.08	20	4.12	2.36	1.18	23.7
11	4	3.33	2.47	0.72	8.72	2.86	2.86	0.62	6.46	3.19	2.62	0.69	8.04	3.56	2.42	0.76	9.96	3.89	2.27	0.84	11.9
11	5	3.07	2.37	0.53	4.76	2.72	2.72	0.47	3.74	2.93	2.56	0.5	4.34	3.31	2.32	0.57	5.52	3.63	2.16	0.62	6.65
11	6	2.8	2.28	0.4	2.74	2.55	2.55	0.37	2.28	2.69	2.44	0.39	2.54	3.05	2.25	0.44	3.26	3.37	2.05	0.48	3.98
11	7	2.49	2.2	0.31	1.6	2.41	2.41	0.3	1.49	2.41	2.41	0.3	1.49	2.77	2.13	0.34	1.97	3.11	1.93	0.38	2.48
12	3	3.18	2.44	0.91	14.1	2.79	2.79	0.8	10.9	3.02	2.63	0.87	12.8	3.42	2.4	0.98	16.4	3.74	2.23	1.07	19.6
12	4	2.94	2.35	0.63	6.81	2.65	2.65	0.57	5.54	2.79	2.54	0.6	6.14	3.18	2.31	0.68	7.97	3.52	2.13	0.76	9.75
12	5	2.69	2.27	0.46	3.63	2.54	2.54	0.44	3.25	2.55	2.46	0.44	3.26	2.93	2.23	0.5	4.34	3.26	2.04	0.56	5.37
12	6	2.39	2.2	0.34	1.99	2.36	2.36	0.34	1.95	2.36	2.32	0.34	1.95	2.66	2.13	0.38	2.48	2.99	1.92	0.43	3.13
12	7	2.11	2.11	0.26	1.15	2.2	2.2	0.27	1.24	2.18	2.18	0.27	1.22	2.32	2.02	0.29	1.39	2.72	1.81	0.33	1.9
13	3	2.77	2.33	0.8	10.8	2.57	2.57	0.74	9.25	2.62	2.53	0.75	9.58	3.02	2.28	0.86	12.7	3.37	2.11	0.97	15.9
13	4	2.54	2.24	0.55	5.08	2.45	2.45	0.53	4.73	2.45	2.41	0.53	4.73	2.77	2.23	0.6	6.06	3.13	2	0.67	7.72
13	5	2.27	2.21	0.39	2.59	2.28	2.28	0.39	2.63	2.29	2.29	0.39	2.64	2.53	2.12	0.44	3.23	2.88	1.91	0.5	4.19
13	6	2.06	2.06	0.3	1.49	2.13	2.13	0.31	1.59	2.13	2.13	0.31	1.59	2.23	2.04	0.32	1.75	2.6	1.81	0.37	2.37
13	7	1.88	1.88	0.23	0.91	1.95	1.95	0.24	0.98	1.96	1.96	0.24	0.99	1.96	1.92	0.24	0.99	2.28	1.71	0.28	1.33

Cooling Capacity (Cont.)

MKT4-500G30

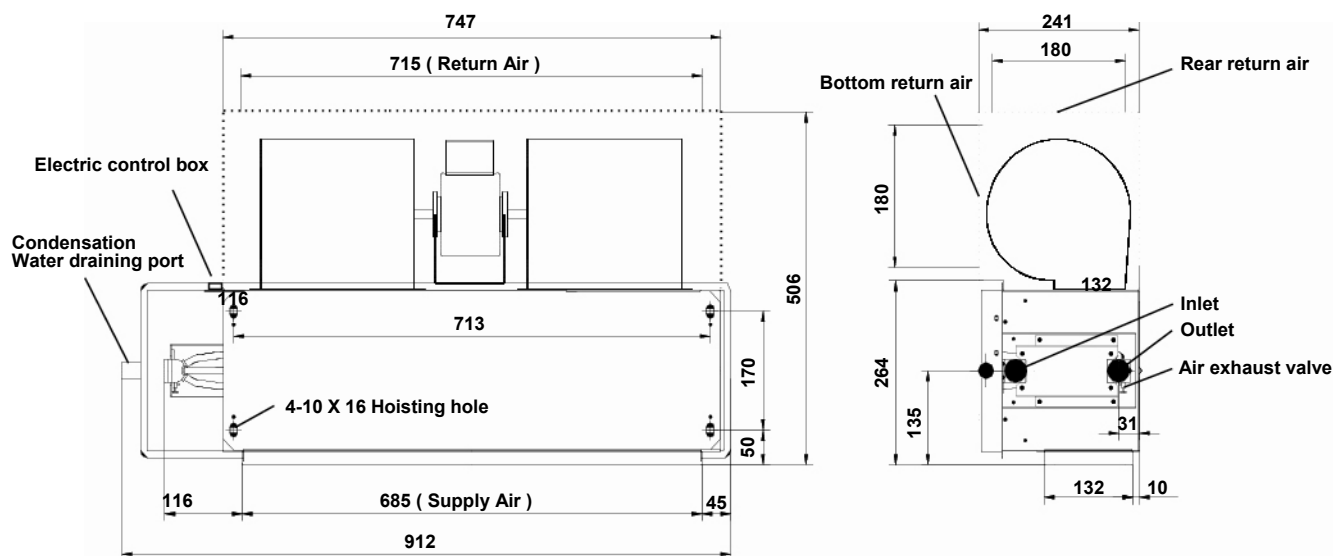
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-500	
	TC	SC
High	1	1
Medium	0.87	0.83
Low	0.76	0.72

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-600G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	7.94	4.78	2.28	96.5	7.28	5.26	2.09	81.2	7.78	4.99	2.23	92.6	8.23	4.77	2.36	104	8.68	4.56	2.49	116
5	4	7.63	4.64	1.64	50.2	7.01	5.1	1.51	42.4	7.51	4.85	1.61	48.5	7.95	4.64	1.71	54.4	8.34	4.41	1.79	60
5	5	7.3	4.48	1.26	29.4	6.68	4.98	1.15	24.6	7.16	4.69	1.23	28.2	7.63	4.47	1.31	32.1	8.02	6.93	1.38	35.5
5	6	6.98	4.35	1	18.6	6.36	4.81	0.91	15.5	6.84	4.53	0.98	17.9	7.32	4.3	1.05	20.5	7.67	4.08	1.1	22.5
5	7	6.63	4.14	0.82	12.4	6.01	4.69	0.74	10.1	6.48	4.38	0.8	11.8	6.96	4.14	0.85	13.6	7.34	3.92	0.9	15.2
6	3	7.49	4.59	2.15	85.9	6.82	5.06	1.96	71.3	7.32	4.79	2.1	82	7.79	4.57	2.23	93	8.24	4.35	2.36	104
6	4	7.19	4.43	1.55	44.6	6.52	4.9	1.4	36.6	7.02	4.63	1.51	42.5	7.49	4.42	1.61	48.3	7.91	4.21	1.7	53.9
6	5	6.84	4.27	1.18	25.8	6.22	4.76	1.07	21.3	6.71	4.49	1.15	24.8	7.15	4.23	1.23	28.2	7.6	4.05	1.31	31.8
6	6	6.52	4.14	0.93	16.3	5.9	4.6	0.85	13.3	6.36	4.32	0.91	15.5	6.84	4.07	0.98	17.9	7.22	3.87	1.03	20
6	7	6.18	3.96	0.76	10.7	5.53	4.49	0.68	8.6	6.02	4.21	0.74	10.2	6.45	3.94	0.79	11.7	6.9	3.7	0.85	13.4
7	3	6.99	4.37	2	74.9	6.35	4.86	1.82	61.7	6.84	4.59	1.96	71.7	7.34	4.36	2.11	82.6	7.76	4.14	2.22	92.2
7	4	6.71	4.22	1.44	38.7	6.01	4.76	1.29	31.2	6.53	4.44	1.4	36.7	7.01	4.22	1.51	42.4	7.45	4	1.6	47.8
7	5	6.36	4.06	1.09	22.3	5.71	4.6	0.98	18	6.23	4.29	1.07	21.4	6.68	4.03	1.15	24.6	7.09	3.84	1.22	27.7
7	6	6.03	3.95	0.86	13.9	5.38	4.46	0.77	11.1	5.92	4.14	0.85	13.4	6.37	3.87	0.91	15.6	6.77	3.67	0.97	17.5
7	7	5.71	3.77	0.7	9.17	5.02	4.3	0.62	7.08	5.52	4.01	0.68	8.57	6	3.75	0.74	10.1	6.41	3.52	0.79	11.6
8	3	6.52	4.18	1.87	65.1	5.82	4.69	1.67	51.8	6.36	4.38	1.82	62	6.85	4.14	1.96	71.9	7.29	3.91	2.09	81.4
8	4	6.23	4.04	1.34	33.4	5.53	4.54	1.19	26.3	6.04	4.28	1.3	31.4	6.52	4	1.4	36.6	6.94	3.79	1.49	41.5
8	5	5.92	3.87	1.02	19.3	5.19	4.41	0.89	14.8	5.74	4.1	0.99	18.1	6.22	3.86	1.07	21.3	6.64	3.64	1.14	24.3
8	6	5.53	3.75	0.79	11.7	4.85	4.29	0.7	9.02	5.42	3.96	0.78	11.3	5.9	3.69	0.85	13.3	6.31	3.47	0.9	15.2
8	7	5.21	3.58	0.64	7.62	4.5	4.11	0.55	5.71	5.04	3.82	0.62	7.16	5.52	3.54	0.68	8.57	5.91	3.33	0.73	9.81
9	3	6.06	3.99	1.74	56.2	5.33	4.51	1.53	43.5	5.89	4.19	1.69	53.1	6.39	3.93	1.83	62.6	6.81	3.72	1.95	70.9
9	4	5.72	3.85	1.23	28.2	5.02	4.38	1.08	21.7	5.55	4.06	1.19	26.5	6.02	3.82	1.29	31.3	6.45	3.59	1.39	35.9
9	5	5.41	3.69	0.93	16.1	4.64	4.28	0.8	11.9	5.24	3.93	0.9	15.1	5.71	3.66	0.98	18	6.14	3.43	1.06	20.8
9	6	5.05	3.55	0.72	9.77	4.29	4.14	0.61	7.04	4.87	3.8	0.7	9.09	5.39	3.49	0.77	11.1	5.82	3.26	0.83	13
9	7	4.67	3.38	0.57	6.15	4	4	0.49	4.5	4.51	3.63	0.55	5.73	5	3.38	0.61	7.03	5.41	3.12	0.66	8.24
10	3	5.56	3.78	1.59	47.3	4.78	4.34	1.37	35	5.33	4.04	1.53	43.5	5.87	3.77	1.68	52.8	6.33	3.52	1.81	61.3
10	4	5.21	3.64	1.12	23.4	4.42	4.25	0.95	16.9	5.03	3.9	1.08	21.8	5.55	3.62	1.19	26.5	5.96	3.39	1.28	30.6
10	5	4.87	3.52	0.84	13.1	4.14	4.14	0.71	9.47	4.67	3.78	0.8	12	5.2	3.48	0.89	14.9	5.65	3.24	0.97	17.6
10	6	4.54	3.37	0.65	7.89	3.93	3.93	0.56	5.91	4.33	3.63	0.62	7.19	4.85	3.29	0.7	9.02	5.28	3.07	0.76	10.7
10	7	4.14	3.23	0.51	4.83	3.69	3.69	0.45	3.84	3.95	3.5	0.48	4.38	4.45	3.19	0.55	5.57	4.94	2.92	0.61	6.85
11	3	5.02	3.61	1.44	38.5	4.25	4.25	1.22	27.7	4.84	3.85	1.39	35.8	5.34	3.6	1.53	43.7	5.82	3.34	1.67	51.8
11	4	4.7	3.49	1.01	19	4.05	4.05	0.87	14.1	4.51	3.7	0.97	17.5	5.03	3.43	1.08	21.8	5.49	3.2	1.18	26
11	5	4.34	3.35	0.75	10.4	3.85	3.85	0.66	8.16	4.14	3.61	0.71	9.47	4.67	3.28	0.8	12	5.13	3.05	0.88	14.5
11	6	3.96	3.22	0.57	5.99	3.6	3.6	0.52	4.98	3.8	3.45	0.55	5.54	4.32	3.17	0.62	7.13	4.76	2.89	0.68	8.69
11	7	3.52	3.1	0.43	3.49	3.4	3.4	0.42	3.25	3.4	3.4	0.42	3.25	3.91	3.01	0.48	4.3	4.39	2.72	0.54	5.41
12	3	4.49	3.44	1.29	30.8	3.94	3.94	1.13	23.7	4.27	3.71	1.22	27.9	4.84	3.39	1.39	35.8	5.29	3.16	1.52	42.8
12	4	4.15	3.33	0.89	14.9	3.75	3.75	0.81	12.1	3.95	3.59	0.85	13.4	4.49	3.26	0.97	17.4	4.97	3.01	1.07	21.3
12	5	3.79	3.21	0.65	7.94	3.59	3.59	0.62	7.09	3.6	3.47	0.62	7.13	4.14	3.15	0.71	9.47	4.61	2.88	0.79	11.7
12	6	3.37	3.1	0.48	4.35	3.34	3.34	0.48	4.26	3.34	3.27	0.48	4.26	3.76	3.01	0.54	5.41	4.23	2.71	0.61	6.84
12	7	2.98	2.98	0.37	2.51	3.1	3.1	0.38	2.71	3.07	3.07	0.38	2.66	3.28	2.86	0.4	3.03	3.84	2.55	0.47	4.15
13	3	3.92	3.29	1.12	23.5	3.63	3.63	1.04	20.2	3.69	3.57	1.06	20.9	4.26	3.23	1.22	27.8	4.76	2.98	1.37	34.8
13	4	3.59	3.16	0.77	11.1	3.46	3.46	0.74	10.3	3.46	3.4	0.74	10.3	3.92	3.15	0.84	13.2	4.42	2.83	0.95	16.9
13	5	3.2	3.13	0.55	5.65	3.23	3.23	0.56	5.74	3.24	3.24	0.56	5.78	3.58	2.99	0.62	7.06	4.07	2.7	0.7	9.14
13	6	2.91	2.91	0.42	3.25	3.01	3.01	0.43	3.47	3.01	3.01	0.43	3.47	3.16	2.89	0.45	3.81	3.68	2.55	0.53	5.18
13	7	2.66	2.66	0.33	1.99	2.76	2.76	0.34	2.14	2.77	2.77	0.34	2.16	2.77	2.71	0.34	2.16	3.22	2.41	0.4	2.91

Cooling Capacity (Cont.)

MKT4-600G30

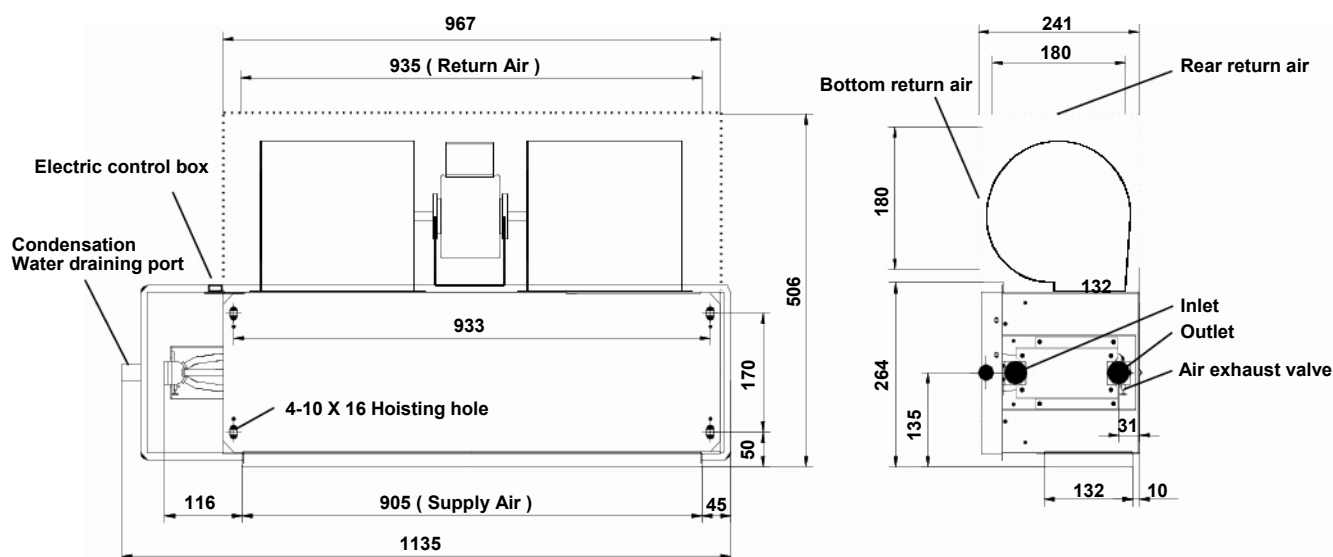
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-600	
	TC	SC
High	1	1
Medium	0.87	0.84
Low	0.75	0.71

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-800G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	9.38	5.65	2.69	55.5	8.6	6.21	2.47	46.7	9.19	5.89	2.63	53.2	9.72	5.64	2.79	59.6	10.3	5.38	2.94	66.4
5	4	9.02	5.48	1.94	28.8	8.28	6.02	1.78	24.3	8.87	5.72	1.91	27.9	9.39	5.48	2.02	31.3	9.86	5.2	2.12	34.5
5	5	8.62	5.29	1.48	16.9	7.89	5.88	1.36	14.1	8.45	5.54	1.45	16.2	9.02	5.28	1.55	18.5	9.47	8.19	1.63	20.4
5	6	8.24	5.14	1.18	10.7	7.51	5.68	1.08	8.89	8.08	5.35	1.16	10.3	8.65	5.08	1.24	11.8	9.06	4.82	1.3	12.9
5	7	7.84	4.9	0.96	7.12	7.09	5.54	0.87	5.83	7.66	5.17	0.94	6.79	8.22	4.9	1.01	7.83	8.68	4.63	1.07	8.72
6	3	8.85	5.43	2.54	49.4	8.06	5.98	2.31	41	8.65	5.66	2.48	47.1	9.21	5.4	2.64	53.5	9.74	5.14	2.79	59.8
6	4	8.5	5.24	1.83	25.6	7.7	5.79	1.66	21	8.29	5.47	1.78	24.4	8.85	5.23	1.9	27.8	9.35	4.97	2.01	31
6	5	8.08	5.04	1.39	14.8	7.35	5.63	1.26	12.3	7.92	5.31	1.36	14.3	8.44	5	1.45	16.2	8.97	4.78	1.54	18.3
6	6	7.7	4.9	1.1	9.35	6.97	5.44	1	7.65	7.52	5.11	1.08	8.92	8.08	4.81	1.16	10.3	8.53	4.57	1.22	11.5
6	7	7.3	4.67	0.9	6.17	6.53	5.3	0.8	4.94	7.12	4.97	0.87	5.87	7.63	4.65	0.94	6.74	8.15	4.38	1	7.69
7	3	8.26	5.16	2.37	43.1	7.5	5.75	2.15	35.5	8.08	5.43	2.32	41.2	8.68	5.15	2.49	47.5	9.17	4.89	2.63	53
7	4	7.92	4.98	1.7	22.3	7.11	5.62	1.53	17.9	7.71	5.25	1.66	21.1	8.28	4.98	1.78	24.3	8.8	4.73	1.89	27.5
7	5	7.52	4.8	1.29	12.8	6.74	5.44	1.16	10.3	7.36	5.07	1.27	12.3	7.89	4.76	1.36	14.1	8.38	4.53	1.44	15.9
7	6	7.13	4.66	1.02	8.01	6.35	5.27	0.91	6.36	7	4.89	1	7.72	7.53	4.58	1.08	8.94	8	4.33	1.15	10.1
7	7	6.74	4.45	0.83	5.27	5.93	5.08	0.73	4.07	6.52	4.74	0.8	4.93	7.08	4.43	0.87	5.81	7.57	4.15	0.93	6.64
8	3	7.7	4.94	2.21	37.4	6.87	5.54	1.97	29.8	7.52	5.17	2.16	35.7	8.09	4.89	2.32	41.3	8.61	4.62	2.47	46.8
8	4	7.36	4.77	1.58	19.2	6.53	5.36	1.4	15.1	7.14	5.06	1.53	18.1	7.7	4.73	1.66	21	8.2	4.48	1.76	23.9
8	5	6.99	4.57	1.2	11.1	6.13	5.2	1.05	8.53	6.78	4.84	1.17	10.4	7.35	4.56	1.26	12.3	7.85	4.3	1.35	14
8	6	6.53	4.43	0.94	6.73	5.74	5.07	0.82	5.19	6.4	4.67	0.92	6.47	6.97	4.35	1	7.65	7.46	4.1	1.07	8.76
8	7	6.15	4.23	0.76	4.38	5.32	4.85	0.65	3.28	5.96	4.51	0.73	4.11	6.52	4.18	0.8	4.93	6.98	3.93	0.86	5.64
9	3	7.16	4.72	2.05	32.3	6.3	5.33	1.81	25	6.96	4.95	1.99	30.5	7.55	4.64	2.16	36	8.04	4.4	2.3	40.8
9	4	6.75	4.55	1.45	16.2	5.93	5.17	1.27	12.5	6.55	4.8	1.41	15.2	7.12	4.51	1.53	18	7.63	4.24	1.64	20.6
9	5	6.39	4.35	1.1	9.28	5.48	5.06	0.94	6.82	6.19	4.64	1.06	8.71	6.74	4.32	1.16	10.3	7.25	4.05	1.25	11.9
9	6	5.97	4.2	0.86	5.62	5.07	4.9	0.73	4.05	5.76	4.49	0.83	5.22	6.37	4.12	0.91	6.4	6.87	3.86	0.98	7.45
9	7	5.52	3.99	0.68	3.53	4.73	4.73	0.58	2.59	5.33	4.29	0.66	3.29	5.9	3.99	0.73	4.04	6.39	3.69	0.79	4.74
10	3	6.56	4.47	1.88	27.2	5.65	5.13	1.62	20.1	6.3	4.77	1.81	25	6.94	4.45	1.99	30.3	7.48	4.16	2.14	35.3
10	4	6.16	4.3	1.32	13.5	5.23	5.02	1.12	9.69	5.95	4.61	1.28	12.5	6.55	4.28	1.41	15.2	7.04	4	1.51	17.6
10	5	5.76	4.16	0.99	7.52	4.9	4.9	0.84	5.44	5.51	4.46	0.95	6.9	6.14	4.11	1.06	8.56	6.67	3.82	1.15	10.1
10	6	5.36	3.98	0.77	4.54	4.64	4.64	0.67	3.4	5.12	4.29	0.73	4.13	5.74	3.89	0.82	5.19	6.23	3.63	0.89	6.13
10	7	4.9	3.81	0.6	2.78	4.37	4.37	0.54	2.21	4.66	4.13	0.57	2.52	5.26	3.77	0.65	3.2	5.83	3.45	0.72	3.94
11	3	5.93	4.27	1.7	22.2	5.02	5.02	1.44	15.9	5.71	4.55	1.64	20.6	6.31	4.25	1.81	25.1	6.87	3.94	1.97	29.8
11	4	5.55	4.12	1.19	10.9	4.78	4.78	1.03	8.1	5.33	4.38	1.15	10.1	5.94	4.05	1.28	12.5	6.49	3.78	1.4	14.9
11	5	5.13	3.96	0.88	5.97	4.55	4.55	0.78	4.69	4.9	4.27	0.84	5.44	5.52	3.88	0.95	6.93	6.06	3.6	1.04	8.35
11	6	4.67	3.8	0.67	3.44	4.26	4.26	0.61	2.86	4.49	4.08	0.64	3.18	5.1	3.75	0.73	4.1	5.63	3.42	0.81	5
11	7	4.16	3.66	0.51	2.01	4.01	4.01	0.49	1.87	4.01	4.01	0.49	1.87	4.62	3.56	0.57	2.47	5.18	3.22	0.64	3.11
12	3	5.3	4.07	1.52	17.7	4.65	4.65	1.33	13.6	5.04	4.39	1.45	16.1	5.71	4	1.64	20.6	6.24	3.73	1.79	24.6
12	4	4.91	3.93	1.05	8.54	4.43	4.43	0.95	6.96	4.66	4.24	1	7.71	5.31	3.86	1.14	10	5.87	3.56	1.26	12.2
12	5	4.48	3.79	0.77	4.56	4.24	4.24	0.73	4.08	4.25	4.1	0.73	4.1	4.9	3.72	0.84	5.44	5.45	3.4	0.94	6.74
12	6	3.98	3.66	0.57	2.5	3.94	3.94	0.56	2.45	3.94	3.87	0.56	2.45	4.44	3.56	0.64	3.11	4.99	3.21	0.72	3.93
12	7	3.53	3.53	0.43	1.44	3.66	3.66	0.45	1.56	3.63	3.63	0.45	1.53	3.88	3.38	0.48	1.74	4.53	3.02	0.56	2.38
13	3	4.63	3.89	1.33	13.5	4.29	4.29	1.23	11.6	4.37	4.22	1.25	12	5.03	3.81	1.44	16	5.63	3.52	1.61	20
13	4	4.24	3.74	0.91	6.37	4.09	4.09	0.88	5.93	4.09	4.01	0.88	5.93	4.63	3.72	1	7.61	5.23	3.35	1.12	9.69
13	5	3.78	3.7	0.65	3.25	3.81	3.81	0.66	3.3	3.82	3.82	0.66	3.32	4.23	3.54	0.73	4.06	4.81	3.19	0.83	5.26
13	6	3.44	3.44	0.49	1.87	3.56	3.56	0.51	2	3.56	3.56	0.51	2	3.73	3.41	0.53	2.19	4.34	3.02	0.62	2.98
13	7	3.14	3.14	0.39	1.14	3.26	3.26	0.4	1.23	3.27	3.27	0.4	1.24	3.27	3.2	0.4	1.24	3.8	2.85	0.47	1.67

Cooling Capacity (Cont.)

MKT4-800G30

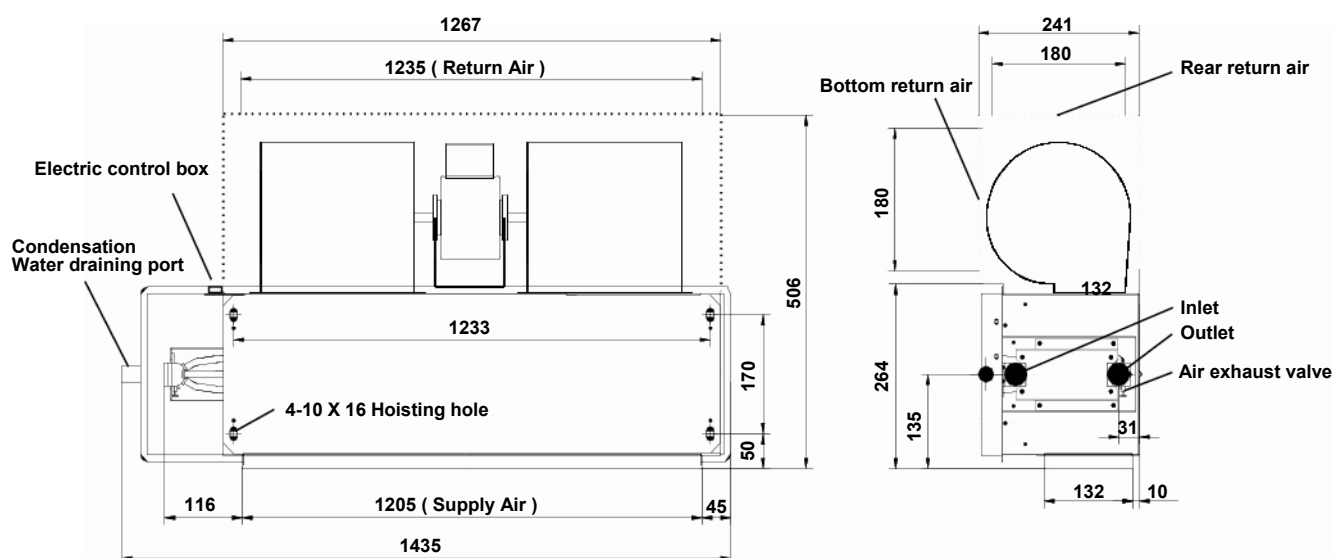
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-800	
	TC	SC
High	1	1
Medium	0.84	0.8
Low	0.75	0.7

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-1000G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	12.1	7.29	3.47	81.2	11.1	8.02	3.18	68.3	11.9	7.61	3.4	77.9	12.5	7.28	3.6	87.2	13.2	6.95	3.8	97.2
5	4	11.6	7.07	2.5	42.2	10.7	7.77	2.3	35.6	11.4	7.39	2.46	40.8	12.1	7.07	2.61	45.8	12.7	6.72	2.74	50.4
5	5	11.1	6.83	1.91	24.7	10.2	7.59	1.75	20.7	10.9	7.16	1.88	23.7	11.6	6.81	2	27	12.2	10.6	2.1	29.8
5	6	10.6	6.63	1.52	15.7	9.69	7.33	1.39	13	10.4	6.91	1.5	15.1	11.2	6.55	1.6	17.2	11.7	6.22	1.68	18.9
5	7	10.1	6.32	1.24	10.4	9.16	7.16	1.13	8.53	9.88	6.68	1.21	9.94	10.6	6.32	1.3	11.5	11.2	5.98	1.38	12.8
6	3	11.4	7.01	3.27	72.2	10.4	7.72	2.98	60	11.2	7.31	3.2	69	11.9	6.96	3.41	78.3	12.6	6.63	3.6	87.5
6	4	11	6.76	2.36	37.5	9.94	7.47	2.14	30.8	10.7	7.06	2.3	35.7	11.4	6.74	2.46	40.6	12.1	6.42	2.59	45.4
6	5	10.4	6.51	1.79	21.7	9.49	7.27	1.63	17.9	10.2	6.85	1.76	20.9	10.9	6.46	1.87	23.7	11.6	6.17	1.99	26.8
6	6	9.94	6.32	1.42	13.7	8.99	7.02	1.29	11.2	9.71	6.59	1.39	13	10.4	6.21	1.5	15.1	11	5.89	1.58	16.8
6	7	9.42	6.03	1.16	9.03	8.43	6.84	1.04	7.23	9.18	6.42	1.13	8.58	9.84	6	1.21	9.86	10.5	5.65	1.29	11.2
7	3	10.7	6.66	3.06	63	9.68	7.42	2.77	51.9	10.4	7.01	2.99	60.3	11.2	6.65	3.21	69.5	11.8	6.31	3.39	77.5
7	4	10.2	6.43	2.2	32.6	9.17	7.25	1.97	26.2	9.95	6.77	2.14	30.9	10.7	6.43	2.3	35.6	11.4	6.1	2.44	40.2
7	5	9.71	6.2	1.67	18.8	8.7	7.02	1.5	15.1	9.5	6.54	1.63	18	10.2	6.14	1.75	20.7	10.8	5.85	1.86	23.3
7	6	9.2	6.02	1.32	11.7	8.2	6.8	1.18	9.31	9.03	6.31	1.29	11.3	9.72	5.91	1.39	13.1	10.3	5.59	1.48	14.8
7	7	8.7	5.74	1.07	7.71	7.65	6.55	0.94	5.95	8.42	6.11	1.03	7.21	9.14	5.72	1.12	8.51	9.77	5.36	1.2	9.72
8	3	9.94	6.37	2.85	54.7	8.87	7.16	2.54	43.6	9.71	6.68	2.78	52.2	10.4	6.31	2.99	60.5	11.1	5.96	3.19	68.5
8	4	9.5	6.16	2.04	28.1	8.43	6.92	1.81	22.2	9.21	6.53	1.98	26.4	9.94	6.1	2.14	30.8	10.6	5.78	2.28	34.9
8	5	9.02	5.89	1.55	16.2	7.91	6.72	1.36	12.5	8.75	6.25	1.5	15.3	9.49	5.88	1.63	17.9	10.1	5.55	1.74	20.5
8	6	8.43	5.72	1.21	9.84	7.4	6.54	1.06	7.59	8.27	6.03	1.18	9.46	8.99	5.62	1.29	11.2	9.62	5.29	1.38	12.8
8	7	7.94	5.46	0.98	6.41	6.87	6.26	0.84	4.8	7.69	5.83	0.94	6.02	8.42	5.4	1.03	7.21	9.01	5.07	1.11	8.25
9	3	9.24	6.09	2.65	47.3	8.13	6.88	2.33	36.6	8.98	6.39	2.57	44.7	9.75	5.99	2.79	52.6	10.4	5.68	2.97	59.7
9	4	8.72	5.87	1.87	23.7	7.65	6.68	1.64	18.2	8.46	6.2	1.82	22.3	9.18	5.83	1.97	26.3	9.84	5.47	2.12	30.2
9	5	8.25	5.62	1.42	13.6	7.07	6.53	1.22	9.98	7.99	5.99	1.37	12.7	8.7	5.58	1.5	15.1	9.36	5.22	1.61	17.5
9	6	7.7	5.41	1.1	8.22	6.54	6.32	0.94	5.92	7.43	5.8	1.06	7.65	8.23	5.32	1.18	9.37	8.87	4.98	1.27	10.9
9	7	7.13	5.15	0.88	5.17	6.1	6.1	0.75	3.79	6.88	5.54	0.85	4.82	7.62	5.15	0.94	5.91	8.25	4.76	1.01	6.93
10	3	8.47	5.77	2.43	39.8	7.29	6.62	2.09	29.5	8.13	6.16	2.33	36.6	8.95	5.74	2.57	44.4	9.65	5.37	2.77	51.6
10	4	7.95	5.55	1.71	19.7	6.74	6.48	1.45	14.2	7.68	5.95	1.65	18.4	8.46	5.52	1.82	22.3	9.09	5.17	1.95	25.7
10	5	7.43	5.37	1.28	11	6.32	6.32	1.09	7.97	7.11	5.76	1.22	10.1	7.92	5.31	1.36	12.5	8.61	4.94	1.48	14.8
10	6	6.92	5.14	0.99	6.64	5.99	5.99	0.86	4.97	6.61	5.54	0.95	6.05	7.4	5.02	1.06	7.59	8.05	4.69	1.15	8.97
10	7	6.32	4.92	0.78	4.06	5.63	5.63	0.69	3.23	6.02	5.33	0.74	3.69	6.79	4.87	0.83	4.69	7.53	4.46	0.92	5.76
11	3	7.65	5.51	2.19	32.4	6.48	6.48	1.86	23.3	7.38	5.87	2.11	30.1	8.14	5.48	2.33	36.7	8.87	5.09	2.54	43.6
11	4	7.17	5.32	1.54	16	6.17	6.17	1.33	11.9	6.88	5.65	1.48	14.8	7.66	5.22	1.65	18.3	8.38	4.88	1.8	21.9
11	5	6.62	5.11	1.14	8.74	5.87	5.87	1.01	6.87	6.32	5.51	1.09	7.97	7.13	5	1.23	10.1	7.83	4.65	1.35	12.2
11	6	6.03	4.91	0.86	5.04	5.5	5.5	0.79	4.19	5.8	5.26	0.83	4.66	6.58	4.84	0.94	6	7.27	4.41	1.04	7.31
11	7	5.37	4.73	0.66	2.94	5.18	5.18	0.64	2.73	5.18	5.18	0.64	2.73	5.96	4.59	0.73	3.62	6.69	4.15	0.82	4.55
12	3	6.84	5.25	1.96	25.9	6	6	1.72	20	6.51	5.66	1.87	23.5	7.38	5.17	2.11	30.1	8.06	4.81	2.31	36
12	4	6.33	5.07	1.36	12.5	5.72	5.72	1.23	10.2	6.02	5.47	1.29	11.3	6.85	4.98	1.47	14.6	7.58	4.59	1.63	17.9
12	5	5.78	4.89	1	6.67	5.47	5.47	0.94	5.97	5.48	5.29	0.94	6	6.32	4.8	1.09	7.97	7.03	4.39	1.21	9.86
12	6	5.14	4.73	0.74	3.66	5.09	5.09	0.73	3.58	5.09	4.99	0.73	3.58	5.73	4.59	0.82	4.55	6.44	4.14	0.92	5.75
12	7	4.55	4.55	0.56	2.11	4.73	4.73	0.58	2.28	4.69	4.69	0.58	2.24	5	4.36	0.61	2.55	5.85	3.89	0.72	3.49
13	3	5.98	5.02	1.71	19.8	5.54	5.54	1.59	17	5.63	5.44	1.62	17.6	6.5	4.92	1.86	23.4	7.27	4.54	2.08	29.2
13	4	5.47	4.83	1.18	9.32	5.28	5.28	1.13	8.68	5.28	5.18	1.13	8.68	5.98	4.8	1.29	11.1	6.74	4.32	1.45	14.2
13	5	4.88	4.77	0.84	4.75	4.92	4.92	0.85	4.83	4.94	4.94	0.85	4.86	5.46	4.56	0.94	5.94	6.21	4.11	1.07	7.69
13	6	4.44	4.44	0.64	2.73	4.59	4.59	0.66	2.92	4.59	4.59	0.66	2.92	4.81	4.4	0.69	3.21	5.61	3.89	0.8	4.35
13	7	4.06	4.06	0.5	1.68	4.21	4.21	0.52	1.8	4.22	4.22	0.52	1.81	4.22	4.13	0.52	1.81	4.91	3.67	0.6	2.45

Cooling Capacity (Cont.)

MKT4-1000G30

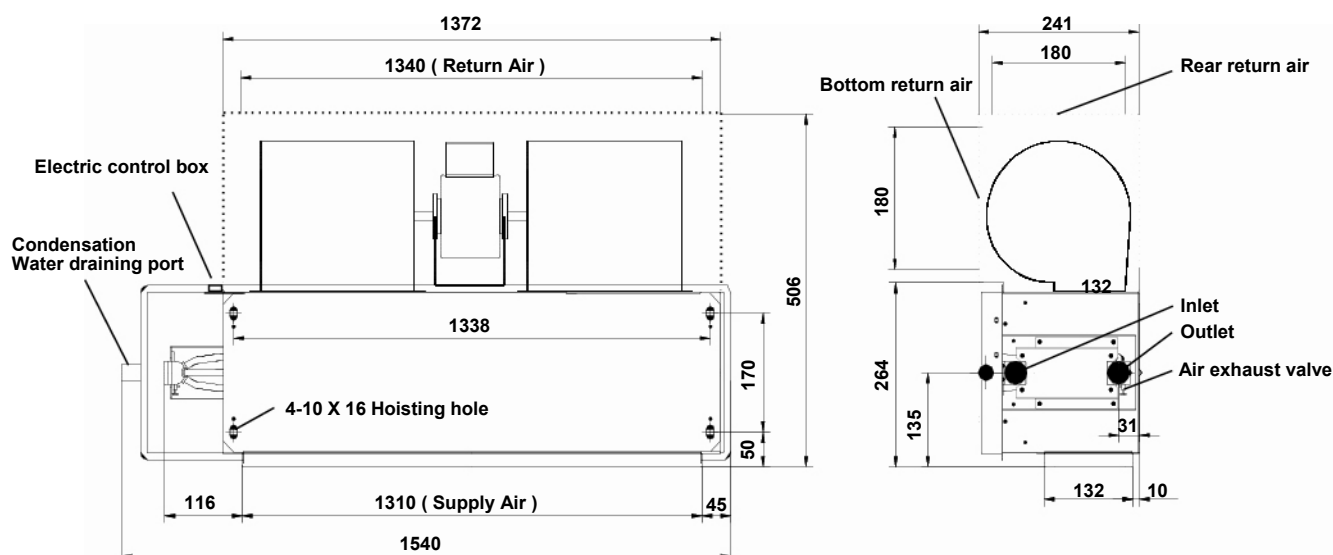
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-1000	
	TC	SC
High	1	1
Mid	0.86	0.82
Low	0.74	0.71

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-1200G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	14.6	8.81	4.19	118	13.4	9.69	3.85	99.4	14.3	9.19	4.11	113	15.2	8.8	4.35	127	16	8.4	4.59	141
5	4	14.1	8.55	3.02	61.4	12.9	9.39	2.78	51.9	13.8	8.93	2.97	59.4	14.6	8.55	3.15	66.6	15.4	8.12	3.31	73.4
5	5	13.5	8.25	2.31	36	12.3	9.18	2.12	30.1	13.2	8.65	2.27	34.6	14.1	8.23	2.42	39.3	14.8	12.8	2.54	43.4
5	6	12.9	8.02	1.84	22.8	11.7	8.86	1.68	18.9	12.6	8.35	1.81	21.9	13.5	7.92	1.93	25.1	14.1	7.52	2.03	27.6
5	7	12.2	7.64	1.5	15.2	11.1	8.65	1.36	12.4	11.9	8.07	1.47	14.5	12.8	7.64	1.58	16.7	13.5	7.22	1.66	18.6
6	3	13.8	8.47	3.96	105	12.6	9.33	3.6	87.3	13.5	8.83	3.87	100	14.4	8.42	4.12	114	15.2	8.02	4.35	127
6	4	13.3	8.17	2.85	54.6	12	9.03	2.58	44.8	12.9	8.53	2.78	52	13.8	8.15	2.97	59.1	14.6	7.75	3.13	66
6	5	12.6	7.87	2.17	31.6	11.5	8.78	1.97	26.1	12.4	8.28	2.13	30.4	13.2	7.8	2.27	34.5	14	7.45	2.41	39
6	6	12	7.64	1.72	19.9	10.9	8.48	1.56	16.3	11.7	7.97	1.68	19	12.6	7.5	1.81	21.9	13.3	7.12	1.91	24.4
6	7	11.4	7.29	1.4	13.1	10.2	8.27	1.25	10.5	11.1	7.75	1.36	12.5	11.9	7.26	1.46	14.3	12.7	6.83	1.56	16.4
7	3	12.9	8.05	3.69	91.7	11.7	8.96	3.35	75.5	12.6	8.47	3.61	87.8	13.5	8.03	3.88	101	14.3	7.62	4.1	113
7	4	12.4	7.77	2.66	47.4	11.1	8.76	2.38	38.2	12	8.18	2.59	44.9	12.9	7.77	2.78	51.9	13.7	7.37	2.95	58.6
7	5	11.7	7.49	2.02	27.3	10.5	8.48	1.81	22	11.5	7.9	1.97	26.2	12.3	7.42	2.12	30.1	13.1	7.07	2.25	34
7	6	11.1	7.27	1.59	17.1	9.91	8.22	1.42	13.5	10.9	7.62	1.56	16.5	11.7	7.14	1.68	19	12.5	6.76	1.79	21.5
7	7	10.5	6.94	1.29	11.2	9.24	7.92	1.14	8.67	10.2	7.39	1.25	10.5	11	6.91	1.36	12.4	11.8	6.48	1.45	14.2
8	3	12	7.7	3.44	79.7	10.7	8.65	3.07	63.4	11.7	8.07	3.36	76	12.6	7.62	3.62	88	13.4	7.21	3.85	99.7
8	4	11.5	7.44	2.47	40.9	10.2	8.37	2.19	32.2	11.1	7.89	2.39	38.5	12	7.37	2.58	44.8	12.8	6.99	2.75	50.8
8	5	10.9	7.12	1.87	23.6	9.56	8.12	1.64	18.2	10.6	7.55	1.82	22.2	11.5	7.11	1.97	26.1	12.2	6.71	2.11	29.8
8	6	10.2	6.91	1.46	14.3	8.95	7.9	1.28	11	9.99	7.29	1.43	13.8	10.9	6.79	1.56	16.3	11.6	6.39	1.67	18.7
8	7	9.59	6.59	1.18	9.33	8.3	7.57	1.02	6.99	9.29	7.04	1.14	8.76	10.2	6.53	1.25	10.5	10.9	6.13	1.34	12
9	3	11.2	7.36	3.2	68.8	9.82	8.32	2.82	53.3	10.9	7.72	3.11	65	11.8	7.24	3.38	76.6	12.5	6.86	3.59	86.8
9	4	10.5	7.09	2.27	34.5	9.24	8.07	1.99	26.5	10.2	7.49	2.2	32.5	11.1	7.04	2.39	38.3	11.9	6.61	2.56	43.9
9	5	9.97	6.79	1.72	19.8	8.55	7.89	1.47	14.5	9.66	7.24	1.66	18.5	10.5	6.74	1.81	22	11.3	6.31	1.95	25.4
9	6	9.31	6.54	1.33	12	7.9	7.64	1.13	8.62	8.98	7.01	1.29	11.1	9.94	6.43	1.42	13.6	10.7	6.01	1.54	15.9
9	7	8.61	6.23	1.06	7.53	7.37	7.37	0.91	5.51	8.32	6.69	1.02	7.01	9.21	6.23	1.13	8.6	9.97	5.75	1.23	10.1
10	3	10.2	6.97	2.93	57.9	8.81	8	2.53	42.9	9.82	7.44	2.82	53.3	10.8	6.94	3.1	64.6	11.7	6.49	3.34	75.1
10	4	9.61	6.71	2.07	28.7	8.15	7.84	1.75	20.6	9.28	7.19	1.99	26.7	10.2	6.68	2.2	32.5	11	6.25	2.36	37.5
10	5	8.98	6.49	1.54	16	7.64	7.64	1.31	11.6	8.6	6.96	1.48	14.7	9.57	6.41	1.65	18.2	10.4	5.96	1.79	21.5
10	6	8.37	6.21	1.2	9.66	7.24	7.24	1.04	7.23	7.98	6.69	1.14	8.8	8.95	6.06	1.28	11	9.72	5.67	1.39	13.1
10	7	7.64	5.95	0.94	5.92	6.81	6.81	0.84	4.7	7.27	6.44	0.89	5.36	8.2	5.88	1.01	6.82	9.09	5.38	1.12	8.39
11	3	9.24	6.66	2.65	47.2	7.84	7.84	2.25	33.9	8.91	7.09	2.55	43.9	9.84	6.63	2.82	53.5	10.7	6.15	3.07	63.4
11	4	8.66	6.43	1.86	23.3	7.45	7.45	1.6	17.3	8.32	6.83	1.79	21.5	9.26	6.31	1.99	26.6	10.1	5.9	2.18	31.8
11	5	8	6.18	1.38	12.7	7.09	7.09	1.22	9.99	7.64	6.66	1.31	11.6	8.61	6.05	1.48	14.8	9.46	5.62	1.63	17.8
11	6	7.29	5.93	1.04	7.33	6.64	6.64	0.95	6.09	7.01	6.36	1	6.78	7.95	5.85	1.14	8.73	8.78	5.33	1.26	10.6
11	7	6.49	5.72	0.8	4.28	6.26	6.26	0.77	3.98	6.26	6.26	0.77	3.98	7.21	5.55	0.89	5.27	8.08	5.02	0.99	6.63
12	3	8.27	6.34	2.37	37.7	7.26	7.26	2.08	29.1	7.87	6.84	2.26	34.2	8.91	6.25	2.55	43.9	9.74	5.81	2.79	52.4
12	4	7.65	6.13	1.65	18.2	6.91	6.91	1.49	14.8	7.27	6.61	1.56	16.4	8.28	6.01	1.78	21.3	9.16	5.55	1.97	26.1
12	5	6.99	5.91	1.2	9.72	6.61	6.61	1.14	8.69	6.63	6.39	1.14	8.73	7.64	5.8	1.31	11.6	8.5	5.3	1.46	14.4
12	6	6.21	5.72	0.89	5.33	6.15	6.15	0.88	5.21	6.15	6.03	0.88	5.21	6.92	5.55	0.99	6.62	7.79	5	1.12	8.37
12	7	5.5	5.5	0.68	3.07	5.72	5.72	0.7	3.31	5.67	5.67	0.7	3.26	6.05	5.27	0.74	3.71	7.07	4.7	0.87	5.07
13	3	7.22	6.06	2.07	28.8	6.69	6.69	1.92	24.7	6.81	6.58	1.95	25.6	7.85	5.95	2.25	34	8.78	5.48	2.52	42.6
13	4	6.61	5.83	1.42	13.6	6.38	6.38	1.37	12.6	6.38	6.26	1.37	12.6	7.22	5.8	1.55	16.2	8.15	5.22	1.75	20.6
13	5	5.9	5.76	1.01	6.91	5.95	5.95	1.02	7.03	5.96	5.96	1.03	7.07	6.59	5.52	1.13	8.64	7.5	4.97	1.29	11.2
13	6	5.37	5.37	0.77	3.98	5.55	5.55	0.8	4.25	5.55	5.55	0.8	4.25	5.81	5.32	0.83	4.67	6.78	4.7	0.97	6.34
13	7	4.9	4.9	0.6	2.44	5.09	5.09	0.62	2.62	5.1	5.1	0.63	2.64	5.1	4.99	0.63	2.64	5.93	4.44	0.73	3.57

Cooling Capacity (Cont.)

MKT4-1200G30

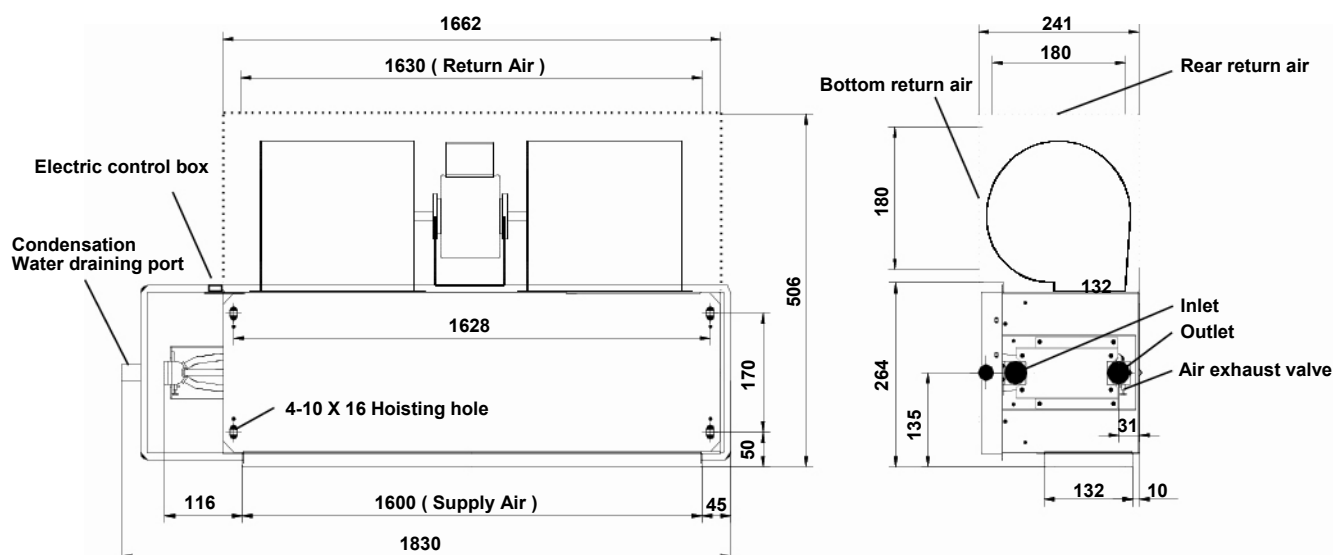
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-1200	
	TC	SC
High	1	1
Medium	0.83	0.79
Low	0.74	0.7

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4-1400G30																					
EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	15.3	9.2	4.38	134	14	10.1	4.01	113	15	9.59	4.29	129	15.8	9.18	4.53	144	16.7	8.76	4.79	160
5	4	14.7	8.92	3.16	69.7	13.5	9.8	2.9	58.8	14.4	9.32	3.1	67.4	15.3	8.92	3.29	75.5	16	8.47	3.45	83.2
5	5	14	8.61	2.41	40.8	12.8	9.58	2.21	34.1	13.8	9.02	2.37	39.2	14.7	8.59	2.52	44.6	15.4	13.3	2.65	49.2
5	6	13.4	8.37	1.92	25.9	12.2	9.25	1.75	21.5	13.2	8.71	1.89	24.9	14.1	8.26	2.02	28.5	14.7	7.85	2.11	31.2
5	7	12.8	7.97	1.57	17.2	11.5	9.02	1.42	14.1	12.5	8.42	1.53	16.4	13.4	7.97	1.64	18.9	14.1	7.54	1.74	21.1
6	3	14.4	8.83	4.13	119	13.1	9.73	3.76	99	14.1	9.21	4.03	114	15	8.78	4.3	129	15.9	8.37	4.54	144
6	4	13.8	8.52	2.97	61.8	12.5	9.42	2.69	50.8	13.5	8.9	2.9	58.9	14.4	8.51	3.1	67.1	15.2	8.09	3.27	74.8
6	5	13.2	8.21	2.26	35.8	12	9.16	2.06	29.6	12.9	8.64	2.22	34.4	13.7	8.14	2.36	39.1	14.6	7.78	2.51	44.2
6	6	12.5	7.97	1.8	22.6	11.3	8.85	1.63	18.5	12.2	8.32	1.75	21.5	13.2	7.83	1.89	24.9	13.9	7.43	1.99	27.7
6	7	11.9	7.61	1.46	14.9	10.6	8.63	1.31	11.9	11.6	8.09	1.42	14.2	12.4	7.57	1.52	16.3	13.3	7.12	1.63	18.6
7	3	13.4	8.4	3.86	104	12.2	9.35	3.5	85.6	13.2	8.83	3.77	99.5	14.1	8.38	4.05	115	14.9	7.95	4.28	128
7	4	12.9	8.11	2.77	53.8	11.6	9.14	2.49	43.2	12.6	8.54	2.7	50.9	13.5	8.11	2.9	58.8	14.3	7.69	3.08	66.4
7	5	12.2	7.81	2.11	31	11	8.85	1.89	24.9	12	8.25	2.06	29.7	12.8	7.74	2.21	34.1	13.6	7.38	2.35	38.5
7	6	11.6	7.59	1.66	19.3	10.3	8.57	1.48	15.4	11.4	7.95	1.63	18.7	12.3	7.45	1.76	21.6	13	7.05	1.87	24.4
7	7	11	7.24	1.35	12.7	9.65	8.26	1.19	9.82	10.6	7.71	1.3	11.9	11.5	7.21	1.42	14	12.3	6.76	1.51	16
8	3	12.5	8.04	3.59	90.3	11.2	9.02	3.21	71.9	12.2	8.42	3.51	86.1	13.2	7.95	3.78	99.7	14	7.52	4.02	113
8	4	12	7.76	2.58	46.4	10.6	8.73	2.29	36.5	11.6	8.23	2.5	43.6	12.5	7.69	2.69	50.8	13.3	7.3	2.87	57.6
8	5	11.4	7.43	1.96	26.8	9.97	8.47	1.72	20.6	11	7.88	1.9	25.2	12	7.42	2.06	29.6	12.8	7	2.2	33.8
8	6	10.6	7.21	1.52	16.2	9.34	8.25	1.34	12.5	10.4	7.61	1.49	15.6	11.3	7.09	1.63	18.5	12.1	6.67	1.74	21.2
8	7	10	6.88	1.23	10.6	8.66	7.9	1.06	7.92	9.7	7.35	1.19	9.93	10.6	6.81	1.3	11.9	11.4	6.4	1.4	13.6
9	3	11.7	7.68	3.34	78	10.3	8.68	2.94	60.4	11.3	8.06	3.25	73.7	12.3	7.55	3.52	86.8	13.1	7.16	3.75	98.4
9	4	11	7.4	2.36	39.1	9.65	8.42	2.07	30.1	10.7	7.81	2.29	36.8	11.6	7.35	2.49	43.4	12.4	6.9	2.67	49.8
9	5	10.4	7.09	1.79	22.4	8.92	8.23	1.53	16.5	10.1	7.55	1.73	21	11	7.04	1.89	24.9	11.8	6.59	2.03	28.8
9	6	9.72	6.83	1.39	13.6	8.25	7.97	1.18	9.77	9.37	7.31	1.34	12.6	10.4	6.71	1.49	15.5	11.2	6.28	1.6	18
9	7	8.99	6.5	1.1	8.53	7.69	7.69	0.95	6.25	8.68	6.98	1.07	7.95	9.61	6.5	1.18	9.75	10.4	6	1.28	11.4
10	3	10.7	7.28	3.06	65.6	9.2	8.35	2.64	48.6	10.3	7.76	2.94	60.4	11.3	7.24	3.24	73.3	12.2	6.78	3.49	85.1
10	4	10	7	2.16	32.5	8.51	8.18	1.83	23.4	9.68	7.5	2.08	30.3	10.7	6.97	2.29	36.8	11.5	6.52	2.46	42.5
10	5	9.37	6.78	1.61	18.2	7.97	7.97	1.37	13.1	8.97	7.26	1.54	16.7	9.99	6.69	1.72	20.7	10.9	6.22	1.87	24.4
10	6	8.73	6.48	1.25	11	7.55	7.55	1.08	8.2	8.33	6.98	1.19	9.98	9.34	6.33	1.34	12.5	10.1	5.91	1.45	14.8
10	7	7.97	6.21	0.98	6.71	7.11	7.11	0.87	5.33	7.59	6.72	0.93	6.08	8.56	6.14	1.05	7.73	9.49	5.62	1.17	9.51
11	3	9.65	6.95	2.77	53.5	8.18	8.18	2.34	38.4	9.3	7.4	2.67	49.7	10.3	6.91	2.94	60.6	11.2	6.41	3.21	71.9
11	4	9.04	6.71	1.94	26.4	7.78	7.78	1.67	19.6	8.68	7.12	1.87	24.4	9.66	6.59	2.08	30.2	10.6	6.15	2.27	36.1
11	5	8.35	6.45	1.44	14.4	7.4	7.4	1.27	11.3	7.97	6.95	1.37	13.1	8.99	6.31	1.55	16.7	9.87	5.86	1.7	20.2
11	6	7.61	6.19	1.09	8.31	6.93	6.93	0.99	6.91	7.31	6.64	1.05	7.68	8.3	6.1	1.19	9.89	9.16	5.57	1.31	12.1
11	7	6.78	5.96	0.83	4.85	6.53	6.53	0.8	4.51	6.53	6.53	0.8	4.51	7.52	5.79	0.92	5.97	8.44	5.24	1.04	7.51
12	3	8.63	6.62	2.47	42.8	7.57	7.57	2.17	33	8.21	7.14	2.35	38.8	9.3	6.52	2.67	49.7	10.2	6.07	2.91	59.4
12	4	7.99	6.4	1.72	20.6	7.21	7.21	1.55	16.8	7.59	6.9	1.63	18.6	8.64	6.28	1.86	24.2	9.56	5.79	2.06	29.6
12	5	7.3	6.17	1.25	11	6.9	6.9	1.19	9.85	6.91	6.67	1.19	9.89	7.97	6.05	1.37	13.1	8.87	5.53	1.53	16.3
12	6	6.48	5.96	0.93	6.04	6.41	6.41	0.92	5.91	6.41	6.29	0.92	5.91	7.23	5.79	1.04	7.5	8.12	5.22	1.16	9.49
12	7	5.74	5.74	0.71	3.48	5.96	5.96	0.73	3.76	5.91	5.91	0.73	3.69	6.31	5.5	0.78	4.2	7.38	4.91	0.91	5.75
13	3	7.54	6.33	2.16	32.7	6.98	6.98	2	28	7.11	6.86	2.04	29	8.19	6.21	2.35	38.6	9.16	5.72	2.63	48.3
13	4	6.9	6.09	1.48	15.4	6.66	6.66	1.43	14.3	6.66	6.53	1.43	14.3	7.54	6.05	1.62	18.4	8.51	5.45	1.83	23.4
13	5	6.15	6.02	1.06	7.84	6.21	6.21	1.07	7.97	6.22	6.22	1.07	8.01	6.88	5.76	1.18	9.8	7.83	5.19	1.35	12.7
13	6	5.6	5.6	0.8	4.51	5.79	5.79	0.83	4.82	5.79	5.79	0.83	4.82	6.07	5.55	0.87	5.29	7.07	4.91	1.01	7.18
13	7	5.12	5.12	0.63	2.76	5.31	5.31	0.65	2.97	5.32	5.32	0.65	2.99	5.32	5.2	0.65	2.99	6.19	4.63	0.76	4.04

Cooling Capacity (Cont.)

MKT4-1400G30

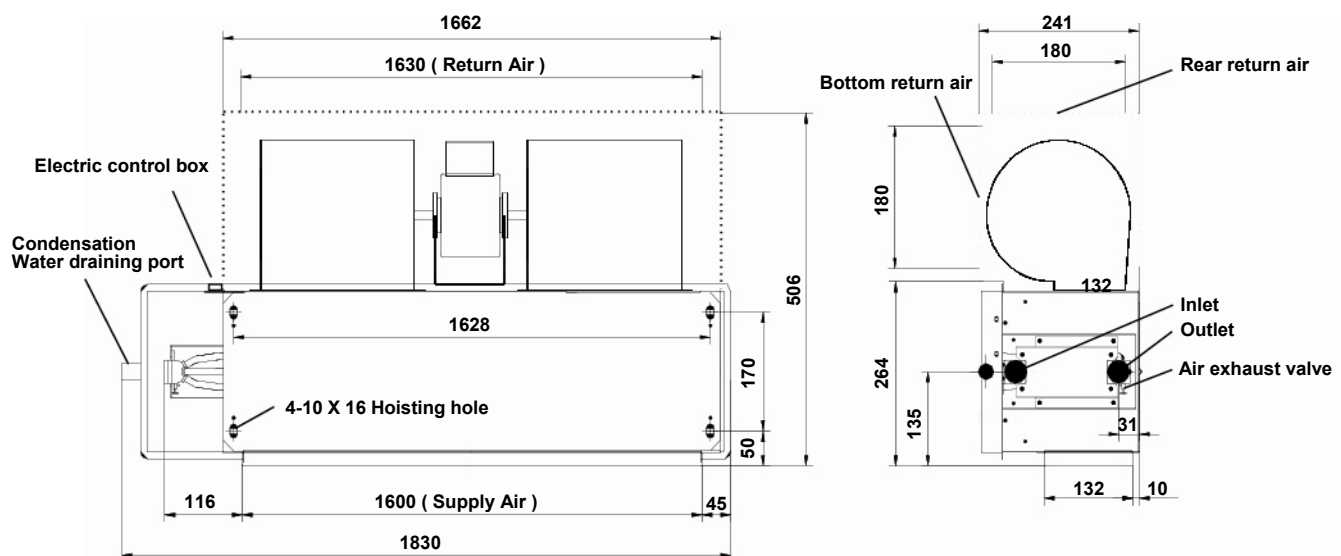
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4-1400	
	TC	SC
High	1	1
Medium	0.86	0.82
Low	0.76	0.72

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4H-1500G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	15.3	9.19	4.37	51.9	14	10.1	4.01	43.6	14.9	9.59	4.28	49.8	15.8	9.17	4.53	55.7	16.7	8.76	4.78	62.1
5	4	14.7	8.91	3.15	27	13.5	9.79	2.9	22.8	14.4	9.31	3.1	26.1	15.3	8.91	3.28	29.2	16	8.46	3.45	32.2
5	5	14	8.6	2.41	15.8	12.8	9.57	2.21	13.2	13.7	9.02	2.36	15.2	14.7	8.58	2.52	17.3	15.4	13.3	2.65	19.1
5	6	13.4	8.36	1.92	10	12.2	9.24	1.75	8.31	13.1	8.71	1.88	9.63	14.1	8.26	2.02	11	14.7	7.84	2.11	12.1
5	7	12.7	7.96	1.57	6.65	11.5	9.02	1.42	5.45	12.5	8.41	1.53	6.35	13.4	7.96	1.64	7.32	14.1	7.53	1.73	8.15
6	3	14.4	8.83	4.12	46.2	13.1	9.72	3.76	38.3	14.1	9.21	4.03	44.1	15	8.77	4.29	50	15.8	8.36	4.54	55.9
6	4	13.8	8.52	2.97	23.9	12.5	9.41	2.69	19.7	13.5	8.9	2.9	22.8	14.4	8.5	3.09	26	15.2	8.08	3.27	29
6	5	13.1	8.2	2.26	13.9	12	9.15	2.06	11.5	12.9	8.64	2.22	13.3	13.7	8.14	2.36	15.1	14.6	7.77	2.51	17.1
6	6	12.5	7.96	1.79	8.74	11.3	8.84	1.62	7.16	12.2	8.31	1.75	8.34	13.1	7.82	1.88	9.63	13.9	7.43	1.99	10.7
6	7	11.9	7.6	1.46	5.77	10.6	8.62	1.31	4.62	11.6	8.08	1.42	5.48	12.4	7.57	1.52	6.3	13.2	7.12	1.63	7.19
7	3	13.4	8.39	3.85	40.3	12.2	9.34	3.5	33.2	13.1	8.83	3.77	38.5	14.1	8.38	4.05	44.4	14.9	7.95	4.27	49.5
7	4	12.9	8.1	2.77	20.8	11.6	9.14	2.48	16.7	12.5	8.53	2.7	19.7	13.5	8.1	2.9	22.8	14.3	7.69	3.08	25.7
7	5	12.2	7.81	2.1	12	11	8.84	1.89	9.66	12	8.24	2.06	11.5	12.8	7.74	2.21	13.2	13.6	7.38	2.34	14.9
7	6	11.6	7.58	1.66	7.49	10.3	8.57	1.48	5.95	11.4	7.95	1.63	7.22	12.2	7.44	1.76	8.36	13	7.05	1.86	9.43
7	7	11	7.24	1.35	4.93	9.64	8.26	1.18	3.8	10.6	7.7	1.3	4.61	11.5	7.2	1.42	5.44	12.3	6.75	1.51	6.21
8	3	12.5	8.03	3.59	35	11.2	9.02	3.2	27.8	12.2	8.41	3.51	33.3	13.2	7.95	3.77	38.6	14	7.51	4.02	43.7
8	4	12	7.76	2.57	18	10.6	8.72	2.28	14.2	11.6	8.22	2.5	16.9	12.5	7.69	2.69	19.7	13.3	7.29	2.87	22.3
8	5	11.4	7.43	1.95	10.4	9.97	8.46	1.71	7.97	11	7.88	1.9	9.75	12	7.41	2.06	11.5	12.8	7	2.2	13.1
8	6	10.6	7.2	1.52	6.29	9.33	8.24	1.34	4.85	10.4	7.6	1.49	6.05	11.3	7.08	1.62	7.16	12.1	6.67	1.74	8.19
8	7	10	6.87	1.23	4.1	8.65	7.89	1.06	3.07	9.69	7.34	1.19	3.85	10.6	6.81	1.3	4.61	11.3	6.39	1.39	5.27
9	3	11.6	7.67	3.34	30.2	10.2	8.67	2.94	23.4	11.3	8.05	3.24	28.5	12.3	7.55	3.52	33.6	13.1	7.15	3.75	38.1
9	4	11	7.39	2.36	15.1	9.64	8.41	2.07	11.6	10.7	7.81	2.29	14.2	11.6	7.34	2.49	16.8	12.4	6.89	2.67	19.3
9	5	10.4	7.08	1.79	8.68	8.91	8.22	1.53	6.38	10.1	7.55	1.73	8.14	11	7.03	1.89	9.66	11.8	6.58	2.03	11.2
9	6	9.71	6.82	1.39	5.25	8.24	7.96	1.18	3.78	9.36	7.31	1.34	4.89	10.4	6.7	1.49	5.99	11.2	6.27	1.6	6.96
9	7	8.98	6.49	1.1	3.3	7.69	7.69	0.94	2.42	8.67	6.98	1.07	3.08	9.6	6.49	1.18	3.78	10.4	5.99	1.28	4.43
10	3	10.7	7.27	3.06	25.4	9.19	8.34	2.63	18.8	10.2	7.76	2.94	23.4	11.3	7.24	3.23	28.4	12.2	6.77	3.49	33
10	4	10	7	2.15	12.6	8.5	8.17	1.83	9.06	9.67	7.5	2.08	11.7	10.7	6.96	2.29	14.2	11.5	6.51	2.46	16.4
10	5	9.36	6.77	1.61	7.03	7.96	7.96	1.37	5.09	8.96	7.25	1.54	6.45	9.98	6.68	1.72	8	10.8	6.22	1.87	9.44
10	6	8.72	6.48	1.25	4.24	7.55	7.55	1.08	3.18	8.33	6.98	1.19	3.86	9.33	6.32	1.34	4.85	10.1	5.91	1.45	5.73
10	7	7.96	6.2	0.98	2.6	7.1	7.1	0.87	2.06	7.58	6.72	0.93	2.35	8.55	6.13	1.05	2.99	9.48	5.61	1.17	3.68
11	3	9.64	6.94	2.76	20.7	8.17	8.17	2.34	14.9	9.29	7.39	2.66	19.3	10.3	6.91	2.94	23.5	11.2	6.41	3.2	27.8
11	4	9.03	6.7	1.94	10.2	7.77	7.77	1.67	7.58	8.67	7.12	1.86	9.43	9.66	6.58	2.08	11.7	10.6	6.15	2.27	14
11	5	8.34	6.44	1.43	5.59	7.39	7.39	1.27	4.39	7.96	6.94	1.37	5.09	8.98	6.3	1.54	6.47	9.86	5.86	1.7	7.81
11	6	7.6	6.18	1.09	3.22	6.93	6.93	0.99	2.67	7.31	6.63	1.05	2.98	8.29	6.1	1.19	3.83	9.15	5.56	1.31	4.67
11	7	6.77	5.96	0.83	1.88	6.53	6.53	0.8	1.75	6.53	6.53	0.8	1.75	7.51	5.79	0.92	2.31	8.43	5.23	1.04	2.91
12	3	8.62	6.62	2.47	16.6	7.57	7.57	2.17	12.8	8.2	7.13	2.35	15	9.29	6.51	2.66	19.3	10.2	6.06	2.91	23
12	4	7.98	6.39	1.72	7.99	7.2	7.2	1.55	6.51	7.58	6.89	1.63	7.21	8.64	6.27	1.86	9.35	9.55	5.79	2.05	11.4
12	5	7.29	6.17	1.25	4.26	6.89	6.89	1.19	3.81	6.91	6.67	1.19	3.83	7.96	6.05	1.37	5.09	8.86	5.53	1.52	6.3
12	6	6.48	5.96	0.93	2.34	6.41	6.41	0.92	2.29	6.41	6.29	0.92	2.29	7.22	5.79	1.03	2.91	8.12	5.22	1.16	3.67
12	7	5.73	5.73	0.7	1.35	5.96	5.96	0.73	1.45	5.91	5.91	0.73	1.43	6.3	5.49	0.77	1.63	7.38	4.91	0.91	2.23
13	3	7.53	6.32	2.16	12.6	6.98	6.98	2	10.9	7.1	6.86	2.04	11.2	8.19	6.2	2.35	14.9	9.15	5.72	2.62	18.7
13	4	6.89	6.08	1.48	5.96	6.65	6.65	1.43	5.55	6.65	6.53	1.43	5.55	7.53	6.05	1.62	7.11	8.5	5.44	1.83	9.06
13	5	6.15	6.01	1.06	3.03	6.2	6.2	1.07	3.09	6.22	6.22	1.07	3.1	6.87	5.75	1.18	3.79	7.82	5.18	1.35	4.91
13	6	5.6	5.6	0.8	1.75	5.79	5.79	0.83	1.87	5.79	5.79	0.83	1.87	6.06	5.54	0.87	2.05	7.06	4.91	1.01	2.78
13	7	5.11	5.11	0.63	1.07	5.3	5.3	0.65	1.15	5.32	5.32	0.65	1.16	5.32	5.2	0.65	1.16	6.18	4.63	0.76	1.57

Cooling Capacity (Cont.)

MKT4H-1500G50

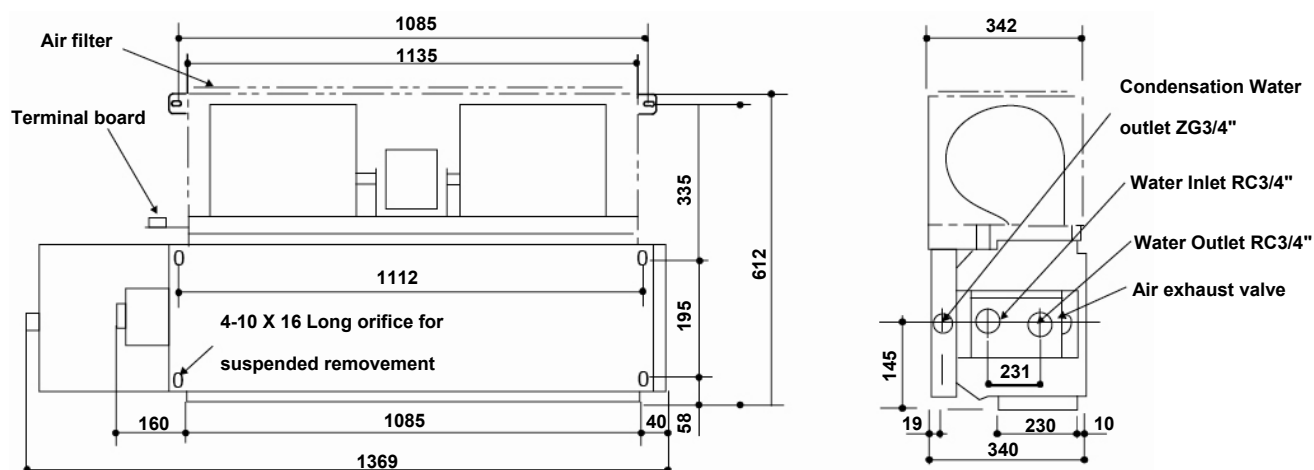
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4H-1500G50	
	TC	SC
High	1	1
Medium	0.9	0.87
Low	0.78	0.74

Unit Dimensions (mm)



Cooling Capacity (Cont.)

MKT4 Series – 4 Rows Coil – 2 Pipe System

MKT4H-2000G50

EWT	Δt	Air Inlet Condition																			
		DB:26.7°C WB:19.4°C				DB:27°C WB:18°C				DB:27°C WB:19°C				DB:27°C WB:20°C				DB:29°C WB:21°C			
		TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP	TC	SC	WF	WDP
°C	°C	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa	kW	kW	m³/h	kPa
5	3	21.5	13	6.18	118	19.8	14.3	5.67	99.4	21.1	13.5	6.05	113	22.3	13	6.4	127	23.6	12.4	6.76	141
5	4	20.7	12.6	4.45	61.4	19	13.8	4.09	51.9	20.4	13.2	4.38	59.4	21.6	12.6	4.64	66.6	22.6	12	4.87	73.4
5	5	19.8	12.2	3.41	36	18.1	13.5	3.12	30.1	19.4	12.7	3.34	34.6	20.7	12.1	3.56	39.3	21.8	18.8	3.74	43.4
5	6	18.9	11.8	2.71	22.8	17.3	13.1	2.47	18.9	18.6	12.3	2.66	21.9	19.9	11.7	2.85	25.1	20.8	11.1	2.98	27.6
5	7	18	11.2	2.21	15.2	16.3	12.7	2	12.4	17.6	11.9	2.16	14.5	18.9	11.2	2.32	16.7	19.9	10.6	2.45	18.6
6	3	20.3	12.5	5.83	105	18.5	13.7	5.31	87.3	19.9	13	5.69	100	21.2	12.4	6.06	114	22.4	11.8	6.41	127
6	4	19.5	12	4.2	54.6	17.7	13.3	3.8	44.8	19.1	12.6	4.1	52	20.3	12	4.37	59.1	21.5	11.4	4.62	66
6	5	18.6	11.6	3.19	31.6	16.9	12.9	2.9	26.1	18.2	12.2	3.13	30.4	19.4	11.5	3.34	34.5	20.6	11	3.55	39
6	6	17.7	11.2	2.54	19.9	16	12.5	2.29	16.3	17.3	11.7	2.48	19	18.6	11.1	2.66	21.9	19.6	10.5	2.81	24.4
6	7	16.8	10.7	2.06	13.1	15	12.2	1.84	10.5	16.3	11.4	2.01	12.5	17.5	10.7	2.15	14.3	18.7	10.1	2.3	16.4
7	3	19	11.9	5.44	91.7	17.2	13.2	4.94	75.5	18.6	12.5	5.32	87.8	19.9	11.8	5.71	101	21.1	11.2	6.04	113
7	4	18.2	11.4	3.91	47.4	16.3	12.9	3.51	38.2	17.7	12.1	3.81	44.9	19	11.4	4.09	51.9	20.2	10.9	4.35	58.6
7	5	17.3	11	2.97	27.3	15.5	12.5	2.67	22	16.9	11.6	2.91	26.2	18.1	10.9	3.12	30.1	19.3	10.4	3.31	34
7	6	16.4	10.7	2.35	17.1	14.6	12.1	2.09	13.5	16.1	11.2	2.3	16.5	17.3	10.5	2.48	19	18.4	9.96	2.63	21.5
7	7	15.5	10.2	1.9	11.2	13.6	11.7	1.67	8.67	15	10.9	1.84	10.5	16.3	10.2	2	12.4	17.4	9.54	2.14	14.2
8	3	17.7	11.3	5.07	79.7	15.8	12.7	4.53	63.4	17.3	11.9	4.95	76	18.6	11.2	5.33	88	19.8	10.6	5.67	99.7
8	4	16.9	11	3.64	40.9	15	12.3	3.23	32.2	16.4	11.6	3.53	38.5	17.7	10.9	3.8	44.8	18.8	10.3	4.05	50.8
8	5	16.1	10.5	2.76	23.6	14.1	12	2.42	18.2	15.6	11.1	2.68	22.2	16.9	10.5	2.9	26.1	18	9.88	3.1	29.8
8	6	15	10.2	2.15	14.3	13.2	11.6	1.89	11	14.7	10.7	2.11	13.8	16	10	2.29	16.3	17.1	9.42	2.46	18.7
8	7	14.1	9.71	1.74	9.33	12.2	11.2	1.5	6.99	13.7	10.4	1.68	8.76	15	9.61	1.84	10.5	16	9.03	1.97	12
9	3	16.4	10.8	4.71	68.8	14.5	12.2	4.15	53.3	16	11.4	4.58	65	17.3	10.7	4.97	76.6	18.5	10.1	5.3	86.8
9	4	15.5	10.4	3.34	34.5	13.6	11.9	2.93	26.5	15.1	11	3.24	32.5	16.3	10.4	3.51	38.3	17.5	9.74	3.77	43.9
9	5	14.7	10	2.53	19.8	12.6	11.6	2.17	14.5	14.2	10.7	2.45	18.5	15.5	9.93	2.67	22	16.7	9.3	2.87	25.4
9	6	13.7	9.64	1.97	12	11.6	11.2	1.67	8.62	13.2	10.3	1.9	11.1	14.6	9.47	2.1	13.6	15.8	8.86	2.26	15.9
9	7	12.7	9.17	1.56	7.53	10.9	10.9	1.33	5.51	12.2	9.86	1.5	7.01	13.6	9.17	1.67	8.6	14.7	8.47	1.8	10.1
10	3	15.1	10.3	4.32	57.9	13	11.8	3.72	42.9	14.5	11	4.15	53.3	15.9	10.2	4.57	64.6	17.2	9.57	4.92	75.1
10	4	14.2	9.88	3.04	28.7	12	11.5	2.58	20.6	13.7	10.6	2.94	26.7	15.1	9.83	3.24	32.5	16.2	9.2	3.48	37.5
10	5	13.2	9.57	2.27	16	11.2	11.2	1.93	11.6	12.7	10.2	2.18	14.7	14.1	9.44	2.43	18.2	15.3	8.78	2.64	21.5
10	6	12.3	9.15	1.77	9.66	10.7	10.7	1.53	7.23	11.8	9.86	1.69	8.8	13.2	8.93	1.89	11	14.3	8.35	2.05	13.1
10	7	11.2	8.76	1.38	5.92	10	10	1.23	4.7	10.7	9.49	1.32	5.36	12.1	8.66	1.48	6.82	13.4	7.93	1.65	8.39
11	3	13.6	9.81	3.9	47.2	11.5	11.5	3.31	33.9	13.1	10.4	3.76	43.9	14.5	9.76	4.16	53.5	15.8	9.05	4.53	63.4
11	4	12.8	9.47	2.74	23.3	11	11	2.36	17.3	12.2	10.1	2.63	21.5	13.6	9.3	2.93	26.6	14.9	8.69	3.21	31.8
11	5	11.8	9.1	2.03	12.7	10.4	10.4	1.8	9.99	11.2	9.81	1.93	11.6	12.7	8.91	2.18	14.8	13.9	8.27	2.4	17.8
11	6	10.7	8.74	1.54	7.33	9.78	9.78	1.4	6.09	10.3	9.37	1.48	6.78	11.7	8.61	1.68	8.73	12.9	7.86	1.85	10.6
11	7	9.57	8.42	1.18	4.28	9.22	9.22	1.13	3.98	9.22	9.22	1.13	3.98	10.6	8.17	1.3	5.27	11.9	7.39	1.46	6.63
12	3	12.2	9.35	3.49	37.7	10.7	10.7	3.06	29.1	11.6	10.1	3.32	34.2	13.1	9.2	3.76	43.9	14.3	8.56	4.11	52.4
12	4	11.3	9.03	2.42	18.2	10.2	10.2	2.19	14.8	10.7	9.74	2.3	16.4	12.2	8.86	2.62	21.3	13.5	8.17	2.9	26.1
12	5	10.3	8.71	1.77	9.72	9.74	9.74	1.67	8.69	9.76	9.42	1.68	8.73	11.2	8.54	1.93	11.6	12.5	7.81	2.15	14.4
12	6	9.15	8.42	1.31	5.33	9.05	9.05	1.3	5.21	9.05	8.88	1.3	5.21	10.2	8.17	1.46	6.62	11.5	7.37	1.64	8.37
12	7	8.1	8.1	1	3.07	8.42	8.42	1.03	3.31	8.35	8.35	1.03	3.26	8.91	7.76	1.09	3.71	10.4	6.93	1.28	5.07
13	3	10.6	8.93	3.05	28.8	9.86	9.86	2.83	24.7	10	9.69	2.87	25.6	11.6	8.76	3.32	34	12.9	8.08	3.71	42.6
13	4	9.74	8.59	2.09	13.6	9.39	9.39	2.02	12.6	9.39	9.22	2.02	12.6	10.6	8.54	2.29	16.2	12	7.69	2.58	20.6
13	5	8.69	8.49	1.49	6.91	8.76	8.76	1.51	7.03	8.78	8.78	1.51	7.07	9.71	8.13	1.67	8.64	11.1	7.32	1.9	11.2
13	6	7.91	7.91	1.13	3.98	8.17	8.17	1.17	4.25	8.17	8.17	1.17	4.25	8.56	7.83	1.23	4.67	9.98	6.93	1.43	6.34
13	7	7.22	7.22	0.89	2.44	7.49	7.49	0.92	2.62	7.52	7.52	0.92	2.64	7.52	7.34	0.92	2.64	8.74	6.54	1.07	3.57

Cooling Capacity (Cont.)

MKT4H-2000G50

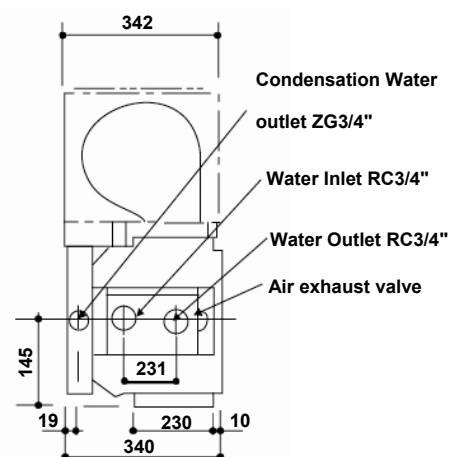
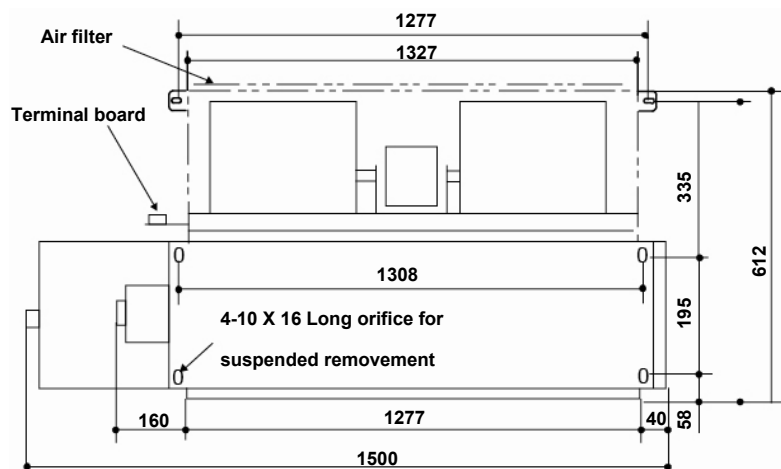
Legend :

EWT	:	Entering Water Temp. (°C);
Δt	:	Temperature Difference (°C)
DB	:	Dry Bulb Temp. (°C)
WB	:	Wet Bulb Temp. (°C)
TC	:	Total Cooling Capacity (kW)
SC	:	Sensible Cooling Capacity (kW)
WF	:	Water Flow (m ³ /h)
WPD	:	Water Pressure Drop (kPa)

Cooling capacity modification coefficient table:

Speed	MKT4H-2000G50	
	TC	SC
High	1	1
Medium	0.86	0.83
Low	0.78	0.74

Unit Dimensions (mm)



11. Heating Capacity of MKT3 Series – 3 Rows Coil – 2 Pipe system

MKT3-200GG30 & MKT3-200G50																								
Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.11	0.10	0.3	1.73	0.15	0.8	2.40	0.21	1.6	3.03	0.26	2.5	3.66	0.32	3.7	4.31	0.37	5.1	4.93	0.42	6.7	5.55	0.48	8.5
8	1.23	0.13	0.6	1.91	0.21	1.6	2.56	0.27	2.8	3.19	0.34	4.4	3.80	0.41	6.2	4.42	0.48	8.4	5.05	0.54	11.0	5.67	0.61	13.8
6	1.42	0.20	1.5	2.07	0.30	3.3	2.68	0.38	5.5	3.33	0.48	8.5	3.96	0.57	12.0	4.58	0.66	16.1	5.16	0.74	20.4	5.82	0.83	26.0

MKT3-300G30 & MKT3-300G50																								
Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.44	0.12	0.9	2.27	0.19	2.1	3.14	0.27	4.1	3.96	0.34	6.5	4.79	0.41	9.5	5.63	0.48	13.1	6.44	0.55	17.2	7.25	0.62	21.8
8	1.60	0.17	1.7	2.49	0.27	4.0	3.34	0.36	7.2	4.17	0.45	11.3	4.97	0.53	16.0	5.78	0.62	21.6	6.59	0.71	28.2	7.40	0.80	35.5
6	1.86	0.27	4.0	2.70	0.39	8.4	3.50	0.50	14.1	4.35	0.62	21.8	5.17	0.74	30.8	5.98	0.86	41.2	6.74	0.97	52.4	7.60	1.09	66.6

REMARKS

Δt : Temperature Difference (°C) ; TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT3-200	MKT3-300
	TH	TH
High	1	1
Mid	0.82	0.81
Low	0.71	0.68

Heating Capacity of MKT3 Series – 3 Rows Coil – 2 Pipe system

MKT3-400G30 & MKT3-400G50																								
Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.44	0.12	0.9	2.27	0.19	2.1	3.14	0.27	4.1	3.96	0.34	6.5	4.79	0.41	9.5	5.63	0.48	13.1	6.44	0.55	17.2	7.25	0.62	21.8
8	1.60	0.17	1.7	2.49	0.27	4.0	3.34	0.36	7.2	4.17	0.45	11.3	4.97	0.53	16.0	5.78	0.62	21.6	6.59	0.71	28.2	7.40	0.80	35.5
6	1.86	0.27	4.0	2.70	0.39	8.4	3.50	0.50	14.1	4.35	0.62	21.8	5.17	0.74	30.8	5.98	0.86	41.2	6.74	0.97	52.4	7.60	1.09	66.6

MKT3-500G30 & MKT3-500G50																								
Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.91	0.16	0.5	2.99	0.26	1.3	4.14	0.36	2.4	5.22	0.45	3.8	6.32	0.54	5.6	7.43	0.64	7.8	8.50	0.73	10.2	9.57	0.82	12.9
8	2.11	0.23	1.0	3.29	0.35	2.4	4.41	0.47	4.3	5.50	0.59	6.7	6.56	0.70	9.5	7.63	0.82	12.8	8.70	0.93	16.7	9.77	1.05	21.0
6	2.45	0.35	2.3	3.57	0.51	5.0	4.62	0.66	8.4	5.74	0.82	12.9	6.82	0.98	18.2	7.89	1.13	24.4	8.90	1.28	31.0	10.03	1.44	39.4

REMARKS

Δt : Temperature Difference (°C) ; TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT3-400	MKT3-500
	TH	TH
High	1	1
Mid	0.78	0.79
Low	0.7	0.69

Heating Capacity of MKT3 Series – 3 Rows Coil – 2 Pipe system

MKT3-600G30 & MKT3-600G50																								
Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	2.44	0.21	1.0	3.82	0.33	2.4	5.30	0.46	4.5	6.68	0.57	7.2	8.08	0.69	10.5	9.50	0.82	14.6	10.86	0.93	19.1	12.23	1.05	24.2
8	2.70	0.29	1.8	4.21	0.45	4.5	5.64	0.61	8.0	7.03	0.76	12.5	8.38	0.90	17.8	9.75	1.05	24.0	11.12	1.20	31.3	12.49	1.34	39.4
6	3.13	0.45	4.4	4.56	0.65	9.3	5.91	0.85	15.7	7.34	1.05	24.2	8.73	1.25	34.2	10.09	1.45	45.8	11.38	1.63	58.1	12.83	1.84	74.0

MKT3-800G30 & MKT3-800G50																								
Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	3.32	0.29	0.9	5.20	0.45	2.3	7.20	0.62	4.3	9.08	0.78	6.9	10.98	0.94	10.1	12.91	1.11	14.0	14.77	1.27	18.3	16.63	1.43	23.2
8	3.68	0.40	1.8	5.72	0.62	4.3	7.67	0.82	7.7	9.56	1.03	12.0	11.40	1.23	17.0	13.26	1.43	23.0	15.12	1.63	30.0	16.98	1.83	37.8
6	4.26	0.61	4.2	6.20	0.89	9.0	8.04	1.15	15.0	9.98	1.43	23.2	11.86	1.70	32.8	13.73	1.97	43.9	15.47	2.22	55.7	17.45	2.50	70.9

REMARKS

Δt : Temperature Difference (°C) ; TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT3-600	MKT3-800
	TH	TH
High	1	1
Mid	0.8	0.79
Low	0.7	0.69

Heating Capacity of MKT3 Series – 3 Rows Coil – 2 Pipe system

MKT3-1000G30 & MKT3-1000G50

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	3.97	0.34	0.7	6.23	0.54	1.8	8.63	0.74	3.4	10.89	0.94	5.4	13.16	1.13	7.9	15.47	1.33	10.9	17.70	1.52	14.3	19.93	1.71	18.1
8	4.40	0.47	1.4	6.86	0.74	3.3	9.19	0.99	6.0	11.46	1.23	9.3	13.66	1.47	13.3	15.89	1.71	18.0	18.12	1.95	23.4	20.35	2.19	29.5
6	5.10	0.73	3.3	7.43	1.06	7.0	9.63	1.38	11.7	11.96	1.71	18.1	14.22	2.04	25.6	16.45	2.36	34.2	18.54	2.66	43.5	20.91	3.00	55.3

MKT3-1200G30 & MKT3-1200G50

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	4.48	0.39	0.7	7.03	0.60	1.8	9.73	0.84	3.4	12.28	1.06	5.5	14.84	1.28	8.0	17.45	1.50	11.1	19.97	1.72	14.5	22.48	1.93	18.4
8	4.97	0.53	1.4	7.74	0.83	3.4	10.36	1.11	6.1	12.92	1.39	9.5	15.41	1.66	13.5	17.92	1.93	18.3	20.44	2.20	23.8	22.96	2.47	30.0
6	5.75	0.82	3.3	8.38	1.20	7.1	10.86	1.56	11.9	13.49	1.93	18.4	16.04	2.30	26.0	18.55	2.66	34.8	20.91	3.00	44.2	23.58	3.38	56.2

MKT3-1400G30 & MKT3-1400G50

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	5.11	0.44	0.9	8.02	0.69	2.2	11.10	0.95	4.2	14.01	1.20	6.7	16.93	1.46	9.8	19.91	1.71	13.6	22.78	1.96	17.8	25.65	2.21	22.6
8	5.67	0.61	1.7	8.83	0.95	4.2	11.82	1.27	7.5	14.74	1.59	11.7	17.58	1.89	16.6	20.45	2.20	22.4	23.32	2.51	29.2	26.19	2.82	36.8
6	6.56	0.94	4.1	9.56	1.37	8.7	12.39	1.78	14.7	15.39	2.21	22.6	18.30	2.62	31.9	21.17	3.03	42.7	23.86	3.42	54.3	26.91	3.86	69.1

REMARKS

Δt : Temperature Difference (°C) ; TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT3-1000	MKT3-1200	MKT3-1400
	TH	TH	TH
High	1	1	1
Mid	0.77	0.78	0.79
Low	0.68	0.71	0.68

Heating Capacity of MKT4 Series – 4 Rows Coil – 2 Pipe system

MKT4-200G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.10	0.09	0.1	1.72	0.15	0.2	2.38	0.20	0.4	3.00	0.26	0.7	3.63	0.31	1.0	4.27	0.37	1.3	4.88	0.42	1.7	5.50	0.47	2.2
8	1.22	0.13	0.2	1.89	0.20	0.4	2.53	0.27	0.7	3.16	0.34	1.1	3.77	0.41	1.6	4.38	0.47	2.2	5.00	0.54	2.8	5.62	0.60	3.6
6	1.41	0.20	0.4	2.05	0.29	0.8	2.66	0.38	1.4	3.30	0.47	2.2	3.92	0.56	3.1	4.54	0.65	4.2	5.12	0.73	5.3	5.77	0.83	6.7

MKT4-300G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.48	0.13	0.2	2.33	0.20	0.4	3.22	0.28	0.8	4.07	0.35	1.3	4.92	0.42	1.8	5.78	0.50	2.5	6.62	0.57	3.3	7.45	0.64	4.2
8	1.65	0.18	0.3	2.56	0.28	0.8	3.43	0.37	1.4	4.28	0.46	2.2	5.11	0.55	3.1	5.94	0.64	4.2	6.77	0.73	5.4	7.61	0.82	6.8
6	1.91	0.27	0.8	2.78	0.40	1.6	3.60	0.52	2.7	4.47	0.64	4.2	5.31	0.76	5.9	6.15	0.88	7.9	6.93	0.99	10.1	7.81	1.12	12.8

REMARKS

Δt : Temperature Difference (°C); TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT4-200	MKT4-300
	TH	TH
High	1	1
Mid	0.86	0.87
Low	0.74	0.75

Heating Capacity of MKT4 Series – 4 Rows Coil – 2 Pipe system

MKT4-400G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	1.84	0.16	0.3	2.88	0.25	0.7	3.99	0.34	1.3	5.03	0.43	2.1	6.08	0.52	3.0	7.15	0.62	4.2	8.19	0.70	5.4	9.22	0.79	6.9
8	2.04	0.22	0.5	3.17	0.34	1.3	4.25	0.46	2.3	5.30	0.57	3.6	6.32	0.68	5.1	7.35	0.79	6.9	8.38	0.90	8.9	9.41	1.01	11.2
6	2.36	0.34	1.3	3.44	0.49	2.7	4.45	0.64	4.5	5.53	0.79	6.9	6.57	0.94	9.8	7.61	1.09	13.1	8.57	1.23	16.6	9.67	1.39	21.1

MKT4-500G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	2.06	0.18	0.3	3.24	0.28	0.8	4.48	0.39	1.5	5.65	0.49	2.4	6.83	0.59	3.5	8.03	0.69	4.9	9.19	0.79	6.4	10.35	0.89	8.1
8	2.29	0.25	0.6	3.56	0.38	1.5	4.77	0.51	2.7	5.95	0.64	4.2	7.09	0.76	5.9	8.25	0.89	8.0	9.41	1.01	10.5	10.57	1.14	13.2
6	2.65	0.38	1.5	3.86	0.55	3.1	5.00	0.72	5.3	6.21	0.89	8.1	7.38	1.06	11.4	8.54	1.22	15.3	9.63	1.38	19.5	10.86	1.56	24.8

REMARKS

Δt : Temperature Difference (°C); TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT4-400	MKT4-500
	TH	TH
High	1	1
Mid	0.86	0.83
Low	0.75	0.74

Heating Capacity of MKT4 Series – 4 Rows Coil – 2 Pipe system

MKT4-600G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	2.78	0.24	0.7	4.36	0.37	1.7	6.03	0.52	3.3	7.61	0.65	5.3	9.20	0.79	7.7	10.82	0.93	10.7	12.37	1.06	14.0	13.93	1.20	17.7
8	3.08	0.33	1.4	4.79	0.52	3.3	6.42	0.69	5.9	8.01	0.86	9.1	9.55	1.03	13.0	11.11	1.19	17.6	12.67	1.36	22.9	14.23	1.53	28.8
6	3.57	0.51	3.2	5.19	0.74	6.8	6.73	0.97	11.5	8.36	1.20	17.7	9.94	1.42	25.0	11.50	1.65	33.5	12.96	1.86	42.5	14.62	2.09	54.1

MKT4-800G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	3.28	0.28	0.4	5.15	0.44	1.0	7.13	0.61	1.9	8.99	0.77	3.0	10.87	0.93	4.4	12.78	1.10	6.0	14.62	1.26	7.9	16.47	1.42	10.0
8	3.64	0.39	0.8	5.67	0.61	1.8	7.59	0.82	3.3	9.47	1.02	5.2	11.28	1.21	7.3	13.13	1.41	9.9	14.97	1.61	12.9	16.81	1.81	16.3
6	4.21	0.60	1.8	6.14	0.88	3.9	7.96	1.14	6.5	9.88	1.42	10.0	11.75	1.68	14.1	13.59	1.95	18.9	15.32	2.20	24.0	17.27	2.48	30.6

REMARKS

Δt : Temperature Difference (°C); TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT4-600	MKT4-800
	TH	TH
High	1	1
Mid	0.86	0.85
Low	0.74	0.75

Heating Capacity of MKT4 Series – 4 Rows Coil – 2 Pipe system

MKT4-1000G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	4.34	0.37	0.6	6.81	0.59	1.5	9.43	0.81	2.9	11.90	1.02	4.6	14.38	1.24	6.7	16.91	1.45	9.3	19.35	1.66	12.1	21.78	1.87	15.4
8	4.81	0.52	1.2	7.49	0.81	2.8	10.04	1.08	5.1	12.52	1.35	8.0	14.93	1.60	11.3	17.37	1.87	15.3	19.80	2.13	19.9	22.24	2.39	25.1
6	5.58	0.80	2.8	8.12	1.16	5.9	10.53	1.51	10.0	13.07	1.87	15.4	15.54	2.23	21.8	17.98	2.58	29.1	20.26	2.90	37.0	22.85	3.28	47.1

MKT4-1200G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	5.11	0.44	0.9	8.02	0.69	2.2	11.10	0.95	4.2	14.01	1.20	6.7	16.93	1.46	9.8	19.91	1.71	13.6	22.78	1.96	17.8	25.65	2.21	22.6
8	5.67	0.61	1.7	8.83	0.95	4.2	11.82	1.27	7.5	14.74	1.59	11.7	17.58	1.89	16.6	20.45	2.20	22.4	23.32	2.51	29.2	26.19	2.82	36.8
6	6.56	0.94	4.1	9.56	1.37	8.7	12.39	1.78	14.7	15.39	2.21	22.6	18.30	2.62	31.9	21.17	3.03	42.7	23.86	3.42	54.3	26.91	3.86	69.1

MKT4-1400G30

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	5.35	0.46	1.0	8.39	0.72	2.4	11.62	1.00	4.6	14.66	1.26	7.4	17.71	1.52	10.8	20.83	1.79	14.9	23.83	2.05	19.6	26.83	10	5.35
8	5.93	0.64	1.9	9.23	0.99	4.6	12.37	1.33	8.2	15.42	1.66	12.8	18.39	1.98	18.2	21.39	2.30	24.6	24.39	2.62	32.0	27.40	8	5.93
6	6.87	0.98	4.5	10.00	1.43	9.6	12.97	1.86	16.1	16.10	2.31	24.8	19.14	2.74	35.0	22.14	3.17	46.9	24.96	3.58	59.6	28.15	6	6.87

Remark:

Δt : Temperature Difference (°C); TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

Heating capacity modification coefficient table:

Speed	MKT4-1000	MKT4-1200	MKT4-1400
	TH	TH	TH
High	1	1	1
Mid	0.83	0.85	0.84
Low	0.74	0.74	0.75

Heating Capacity of MKT4 Series – 4 Rows Coil – 2 Pipe system

MKT4H-1500G50

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	5.58	0.48	0.5	8.75	0.75	1.1	12.12	1.04	2.2	15.29	1.32	3.5	18.48	1.59	5.1	21.73	1.87	7.0	24.87	2.14	9.2	28.00	2.41	11.7
8	6.19	0.67	0.9	9.63	1.04	2.2	12.90	1.39	3.9	16.10	1.73	6.0	19.19	2.06	8.6	22.32	2.40	11.6	25.45	2.74	15.1	28.59	3.07	19.1
6	7.17	1.03	2.1	10.44	1.50	4.5	13.53	1.94	7.6	16.80	2.41	11.7	19.97	2.86	16.5	23.10	3.31	22.1	26.04	3.73	28.1	29.37	4.21	35.8

MKT4H-2000G50

Δt	Air inlet temp. (20°C DB)																							
	Water inlet temp. (°C)																							
	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
°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
10	7.78	0.67	0.9	12.20	1.05	2.2	16.90	1.45	4.2	21.32	1.83	6.6	25.77	2.22	9.7	30.30	2.61	13.4	34.67	2.98	17.5	39.03	3.36	22.2
8	8.63	0.93	1.7	13.43	1.44	4.1	17.99	1.93	7.4	22.44	2.41	11.5	26.75	2.88	16.3	31.12	3.35	22.0	35.48	3.81	28.7	39.85	4.28	36.2
6	9.99	1.43	4.0	14.55	2.09	8.6	18.86	2.70	14.4	23.42	3.36	22.2	27.84	3.99	31.4	32.21	4.62	42.0	36.30	5.20	53.3	40.94	5.87	67.9

Remark:

Δt : Temperature Difference (°C); TH: Total Heating Capacity (kW); WF: Water Flow (m³/h); WPD: Water Pressure Drop(kPa)

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

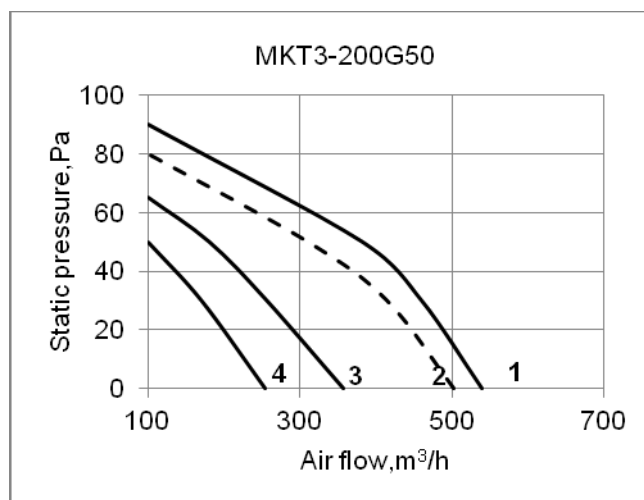
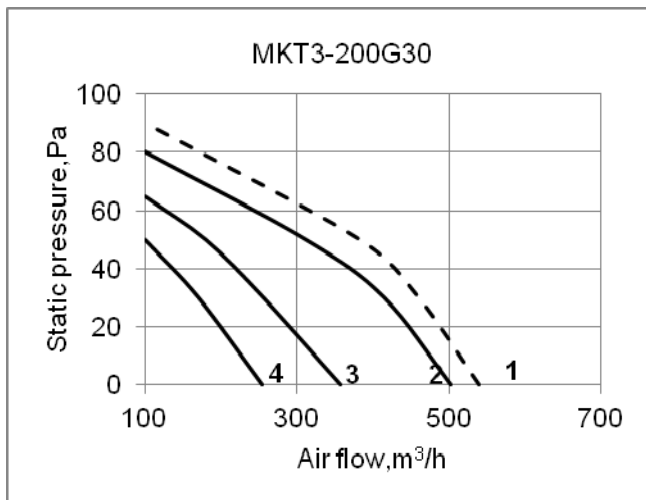
Heating capacity modification coefficient table:

Speed	MKT4-1500	MKT4-2000
	TH	TH
High	1	1
Mid	0.82	0.82
Low	0.71	0.7

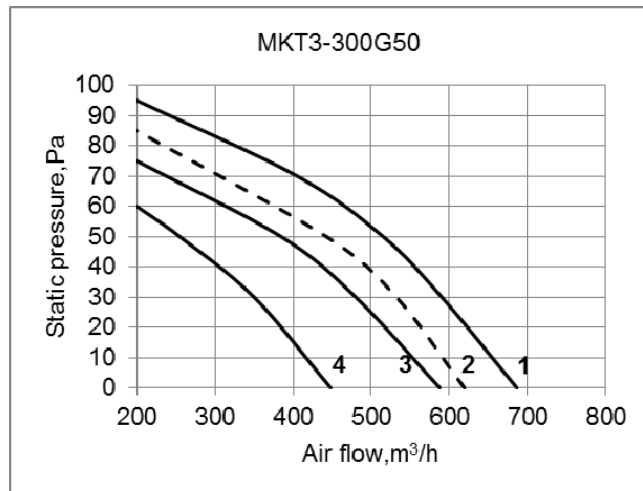
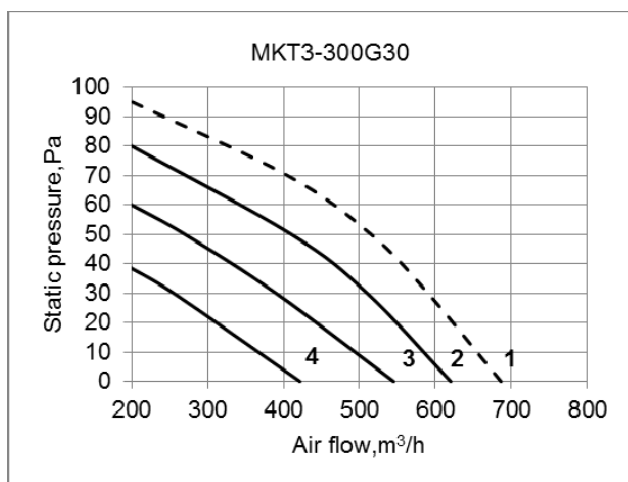
12. Static Pressure Versus Air Flow Graphs

MKT3 Series – 3 Rows Coil

MKT3-200



MKT3-300



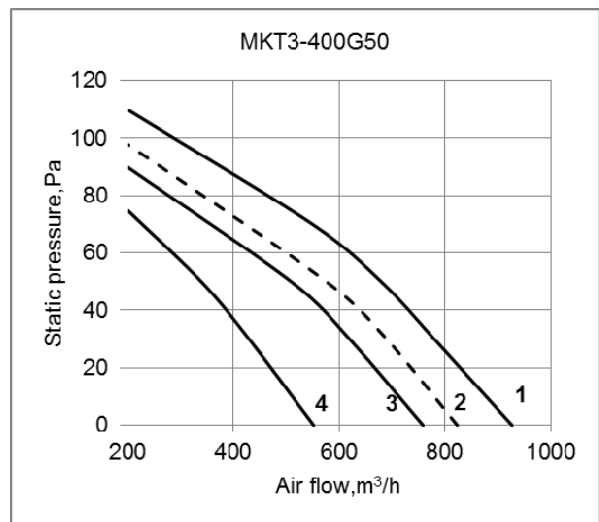
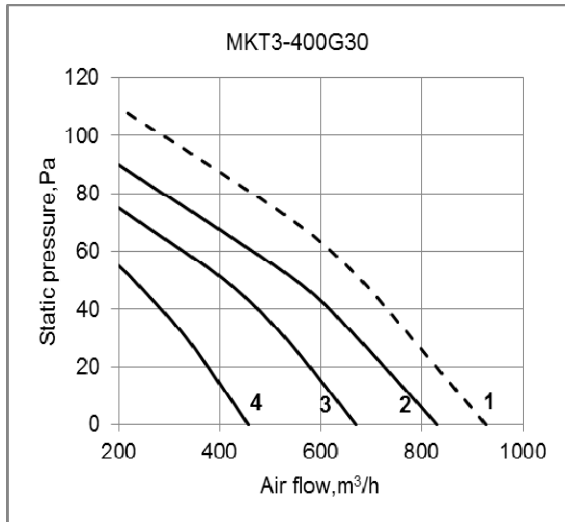
How to read the diagram

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.

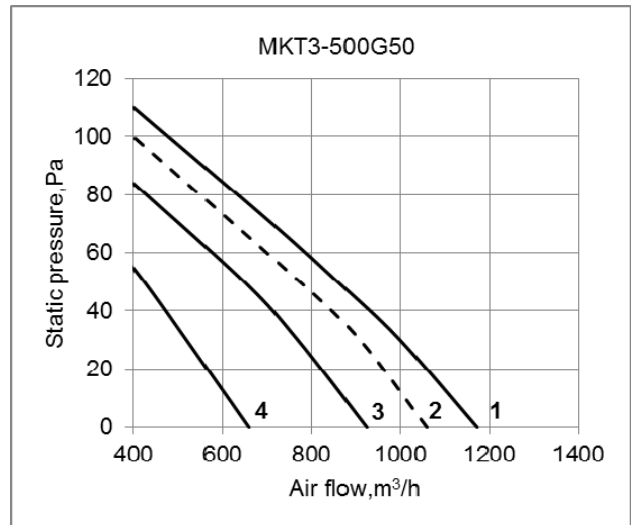
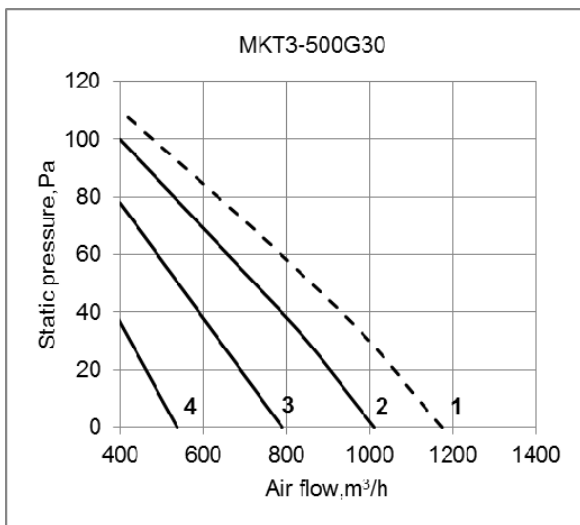
Static Pressure Versus Air Flow Graphs (Cont.)

MKT3 Series – 3 Rows Coil

MKT3-400



MKT3-500



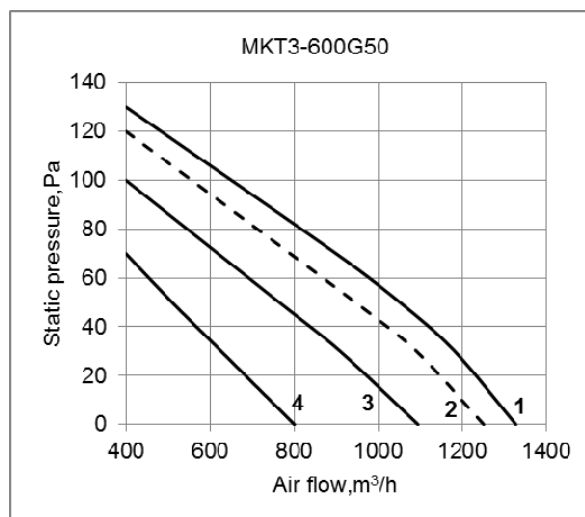
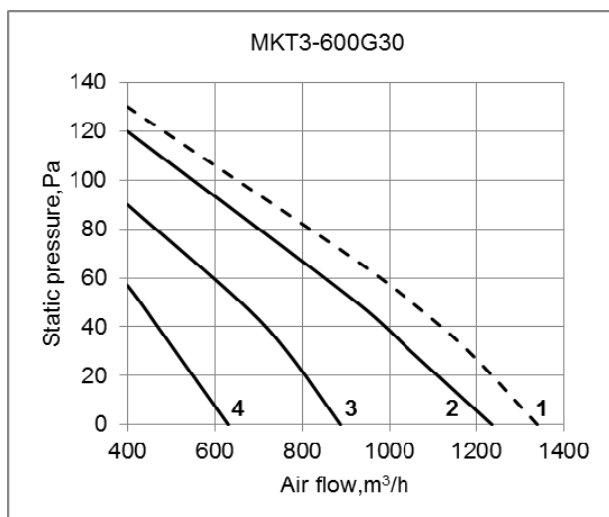
How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m³/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.

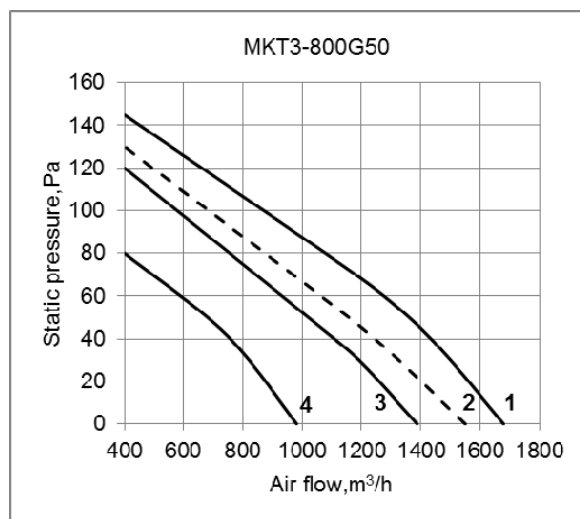
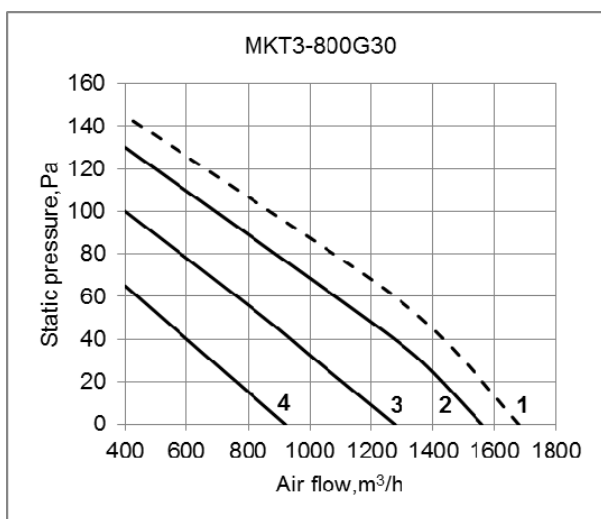
Static Pressure Versus Air Flow Graphs (Cont.)

MKT3 Series – 3 Rows Coil

MKT3-600



MKT3-800



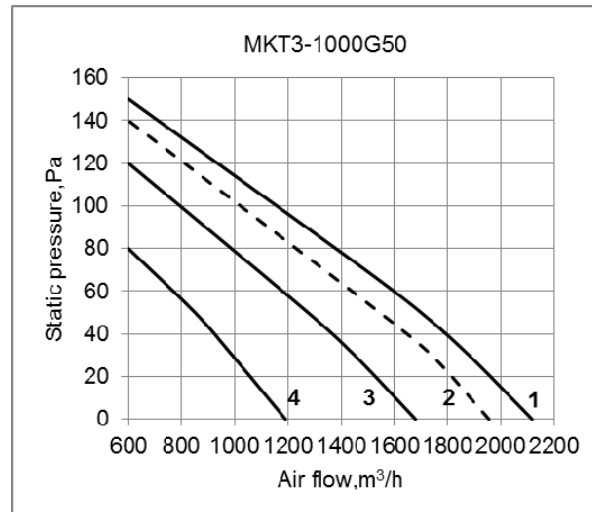
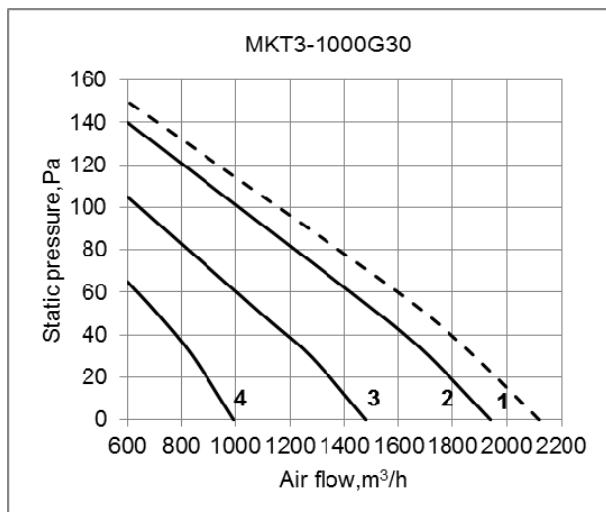
How to read the diagram

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.

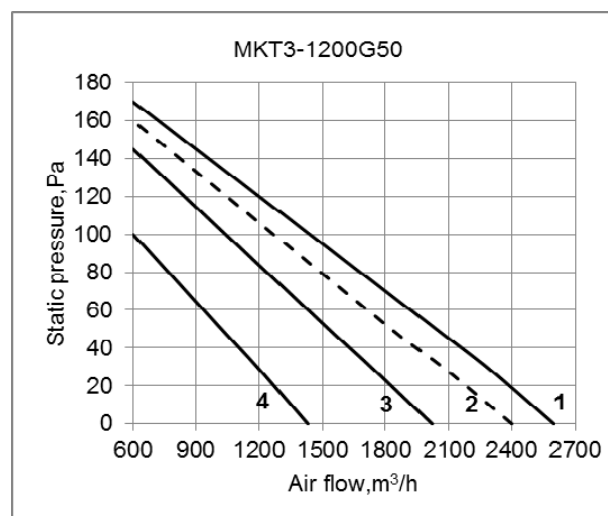
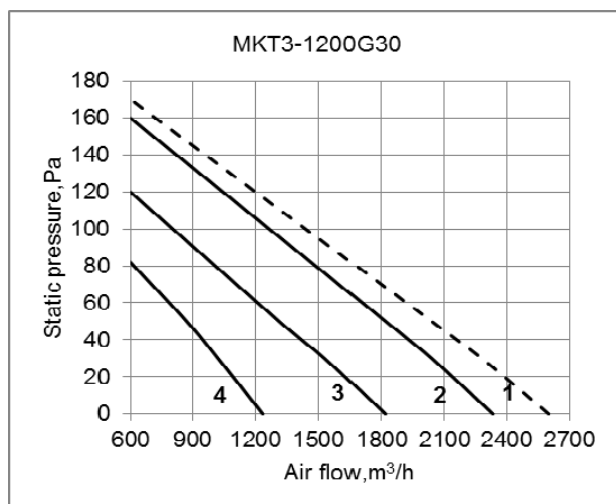
Static Pressure Versus Air Flow Graphs (Cont.)

MKT3 Series – 3 Rows Coil

MKT3-1000



MKT3-1200



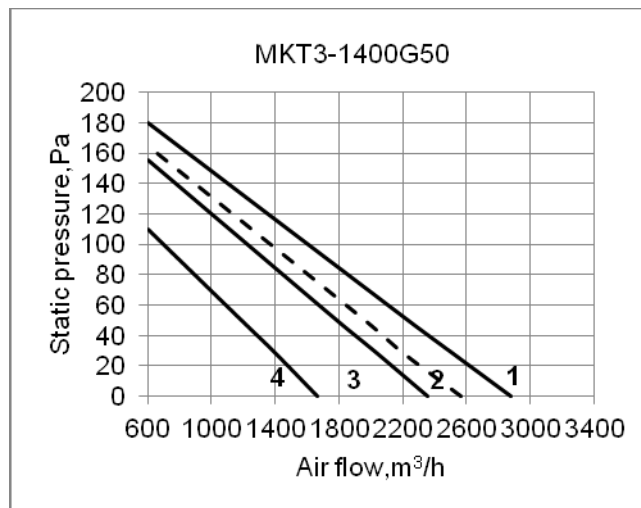
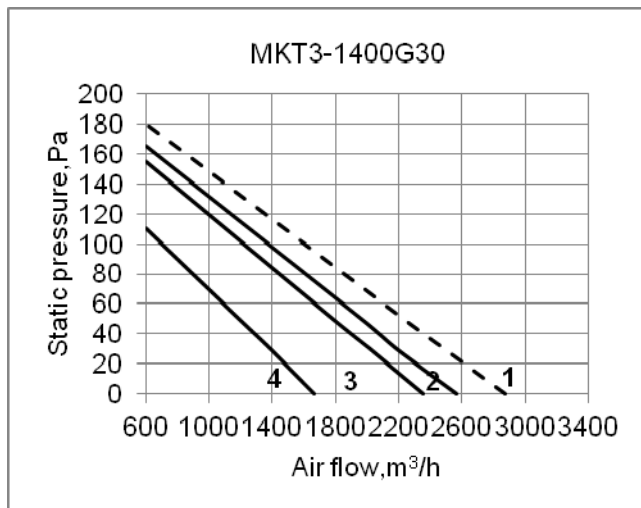
How to read the diagram

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.

Static Pressure Versus Air Flow Graphs (Cont.)

MKT3 Series – 3 Rows Coil

MKT3-1400



How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m³/h).

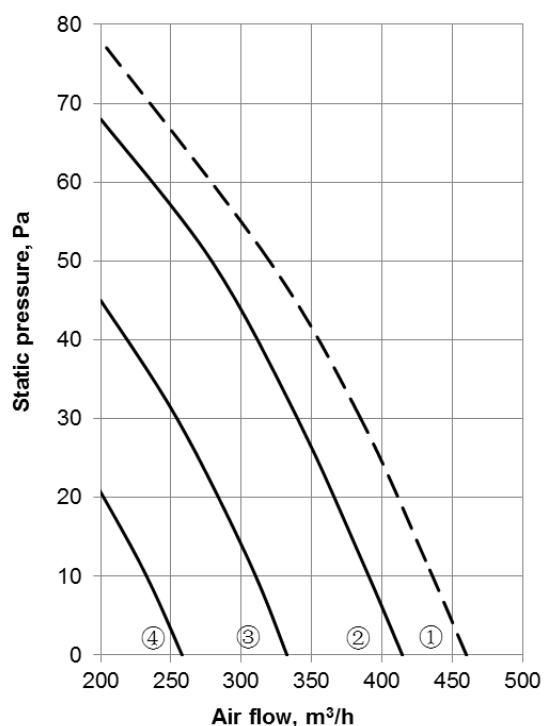
The characteristic curve for the “1-Super Hi”, “2-Hi”, “3-Mid” and “4-Lo” fan speed control.

The dotted line stands for reserved speed.

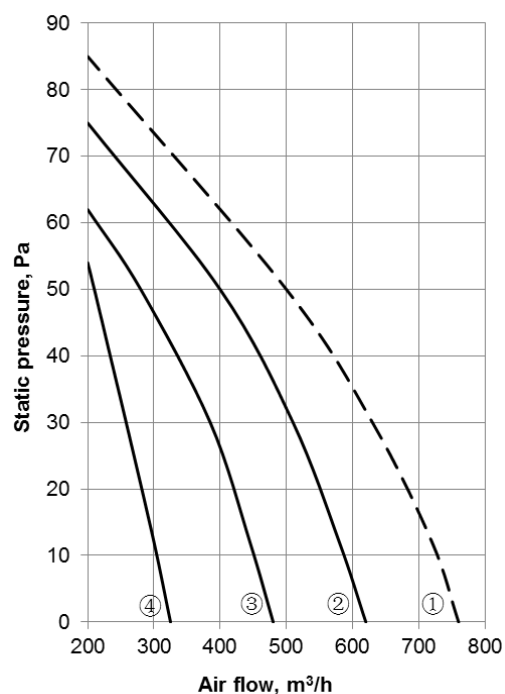
Static Pressure Versus Air Flow Graphs (Cont.)

MKT4 Series – 4 Rows Coil

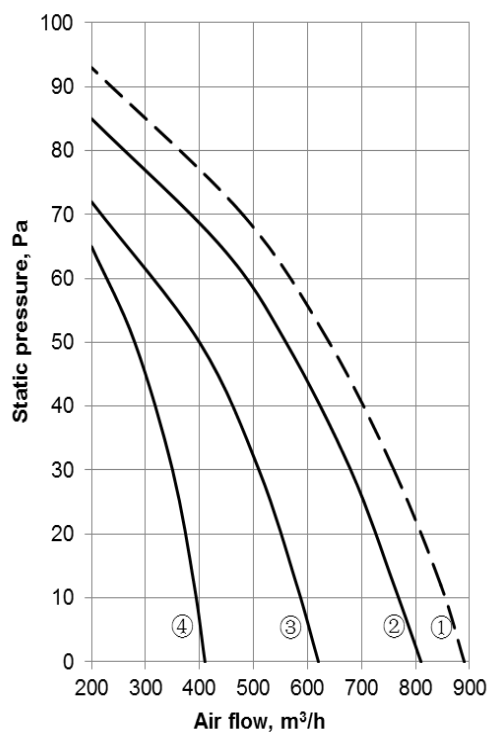
MKT4-200G30



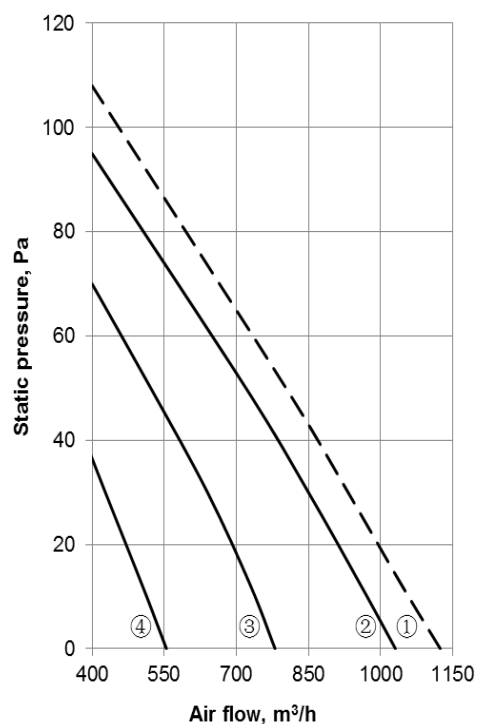
MKT4-300G30



MKT4-400G30



MKT4-500G30



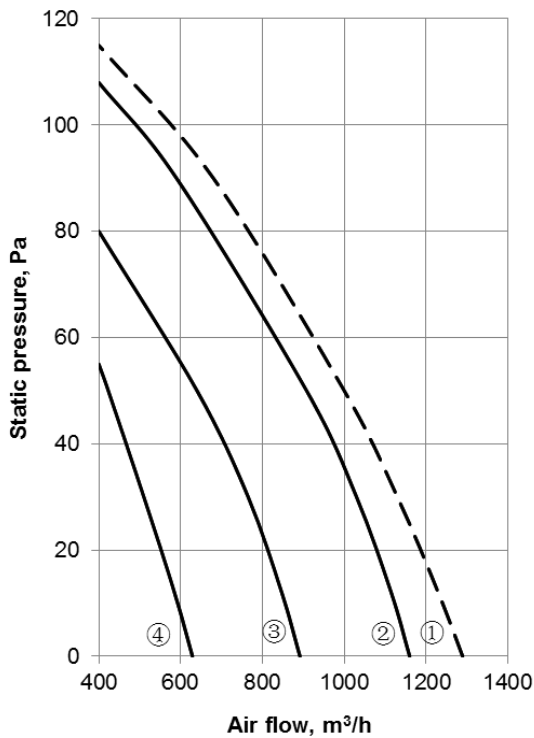
How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m³/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.

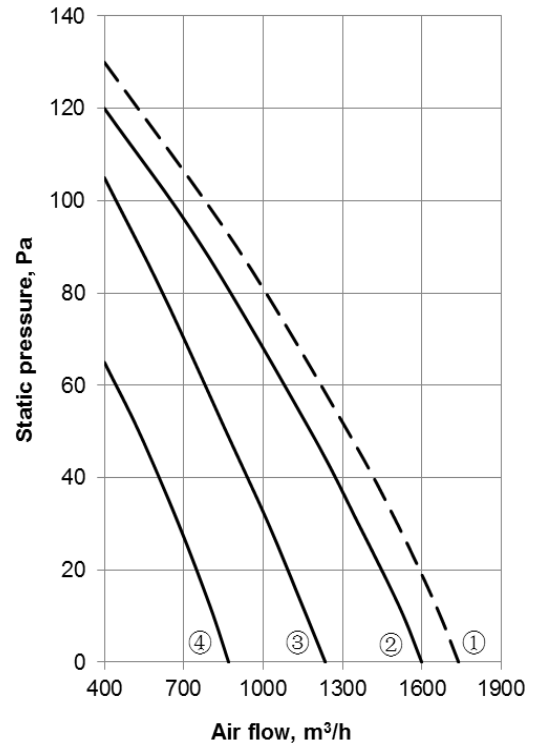
Static Pressure Versus Air Flow Graphs (Cont.)

MKT4 Series – 4 Rows Coil

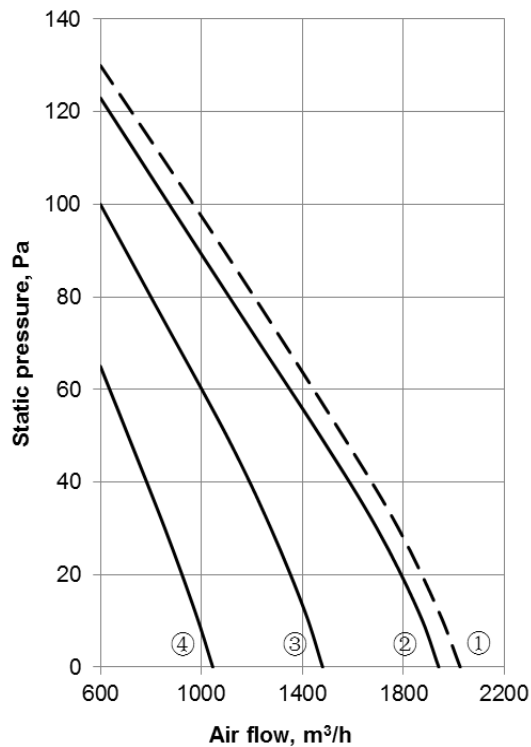
MKT4-600G30



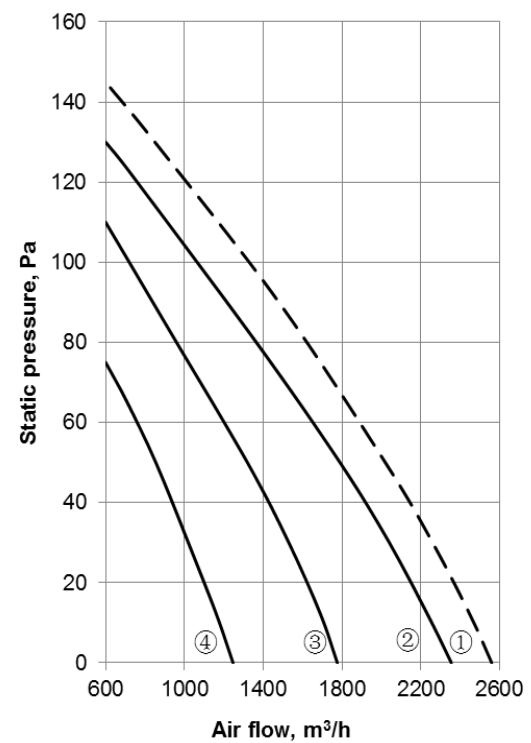
MKT4-800G30



MKT4-1000G30



MKT4-1200G30



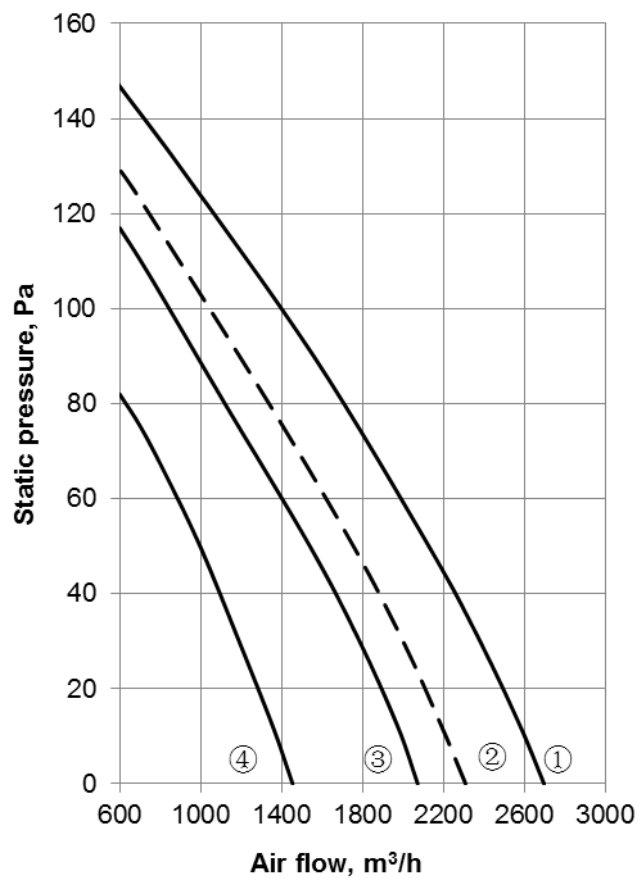
How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (m³/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.

Static Pressure Versus Air Flow Graphs (Cont.)

MKT4 Series – 4 Rows Coil

MKT4-1400G30



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).

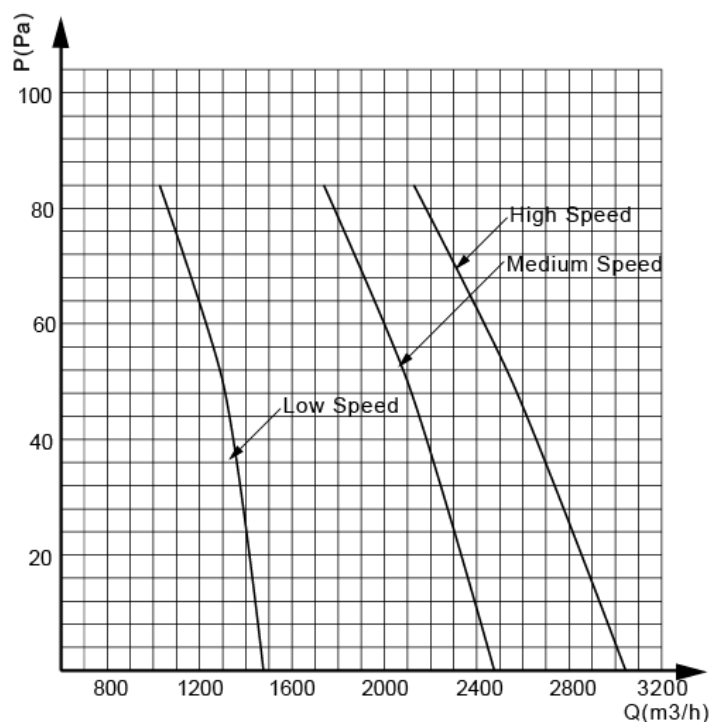
The characteristic curve for the "1-Super Hi", "2-Hi", "3-Mid" and "4-Lo" fan speed control.

The dotted line stands for reserved speed.

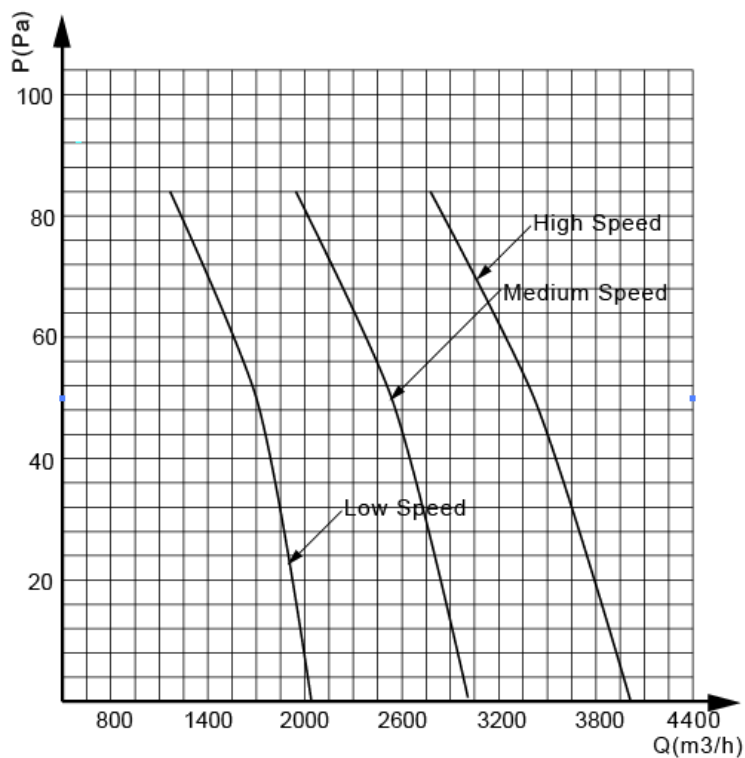
Static Pressure Versus Air Flow Graphs (Cont.)

MKT4 Series – 4 Rows Coil

MKT4H-1500G50



MKT4H-2000G50



How to read the diagram

The vertical axis is the External Static Pressure (Pa) while the horizontal axis represents the Air Flow (CFM). The characteristic curve for the "Hi", "Mid" and "Lo" fan speed control, the nameplate values are shown based on the "Hi" air flow.

13. Installation

13.1 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 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 convective 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.

13.2 Installation body

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

Install $\Phi 10$ pendant bolts (4 bolts)

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

Use the $\Phi 10$ 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.

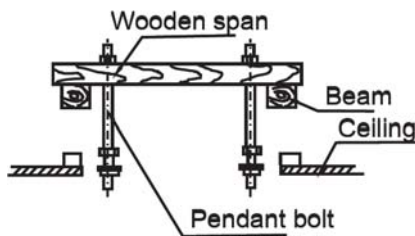
Installation (Cont.)

13.2.1 Procedure of installing the pendant bolts.

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

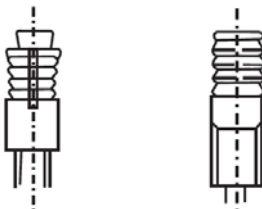
- Wooden structure:

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



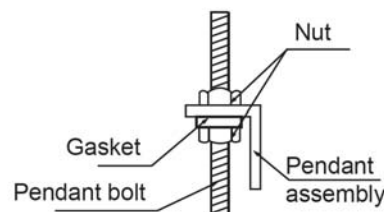
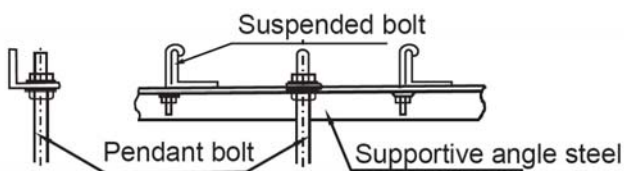
- Old concrete roughcast:

Use embedded bolts and embedded pulling plugs.



- Steel beam and girder structure:

Set and use supportive angle steel.

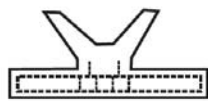


- New concrete roughcast:

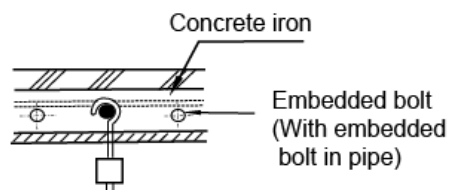
Set it with embedded bushes or embedded bolts.



Flap type inser



Slide type inser



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.

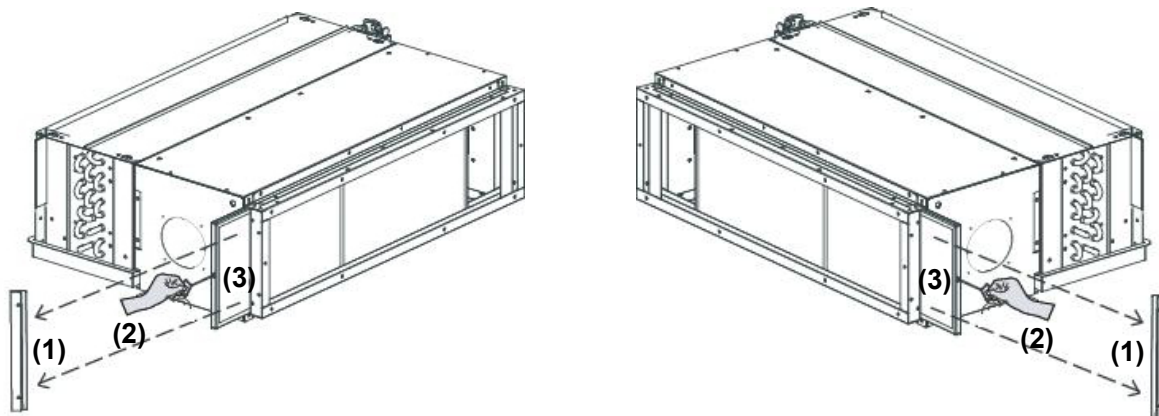
13.2.2 Body dimension

Please refer to Unit : Dimensions

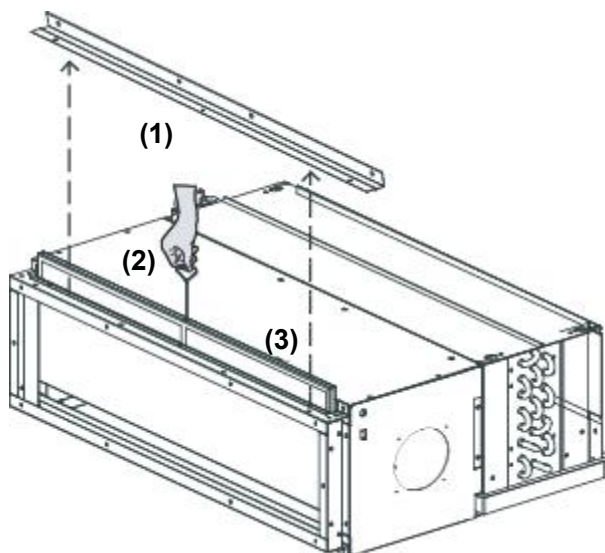
Installation (Cont.)

13.2.3 Filter screen cleaning steps

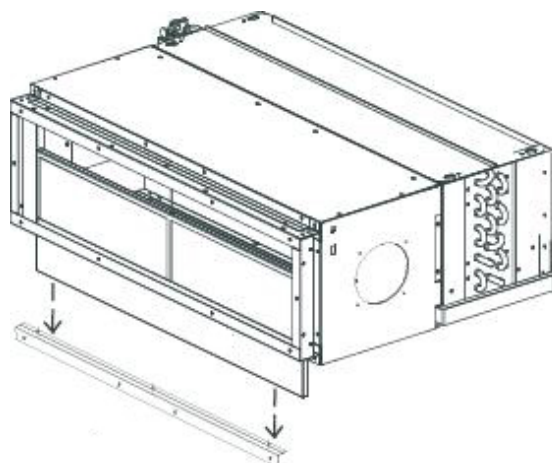
- Remove the air filter screen with the left and right sides: First take down the side cover (1) of the flange, and then use the hook (2) to pull out the air filter (3).



- Remove the air filter with the up side: First take down the connecting strip (1) of the flange, and then use the accessory hook (2) to pull out the air filter (3).



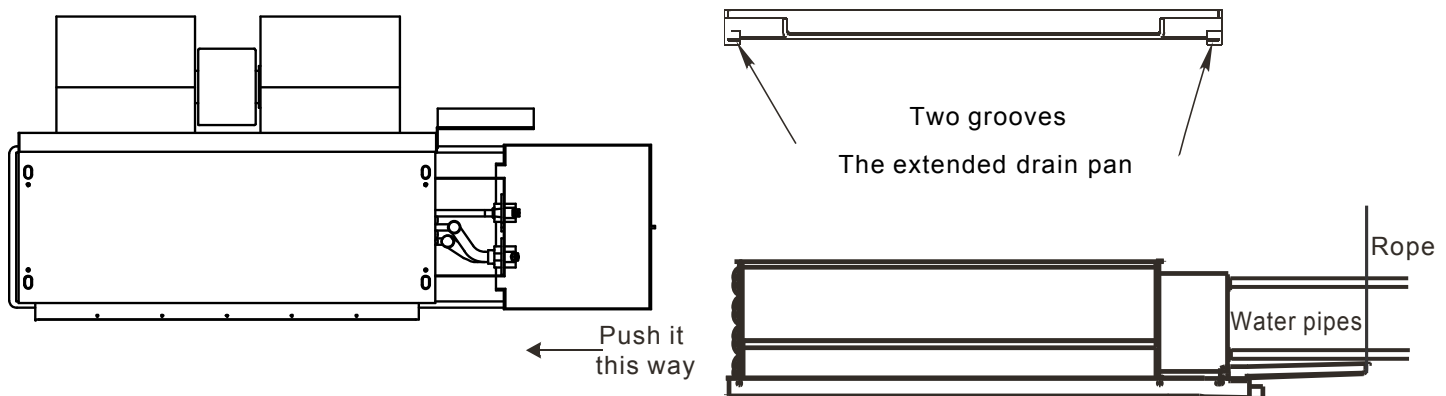
- Remove the filter screen with the down side: First take down the connecting strip (1) of the flange, and the air filter screen (2) will fall down automatically.



Installation (Cont.)

13.3 Installation of standard auxiliary drain pan

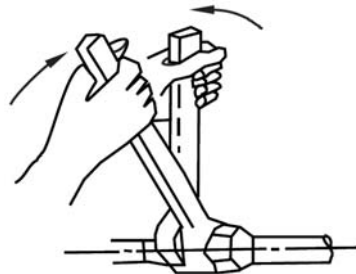
The grooves of the extended drain pan can be locked at the brim of the main drain pan.



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

13.4 Installation of 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 taper pipe thread inside.
- The diameter of condensate pipe is ZG3/4 taper pipe thread outside.



13.5 Installation of drain pipe

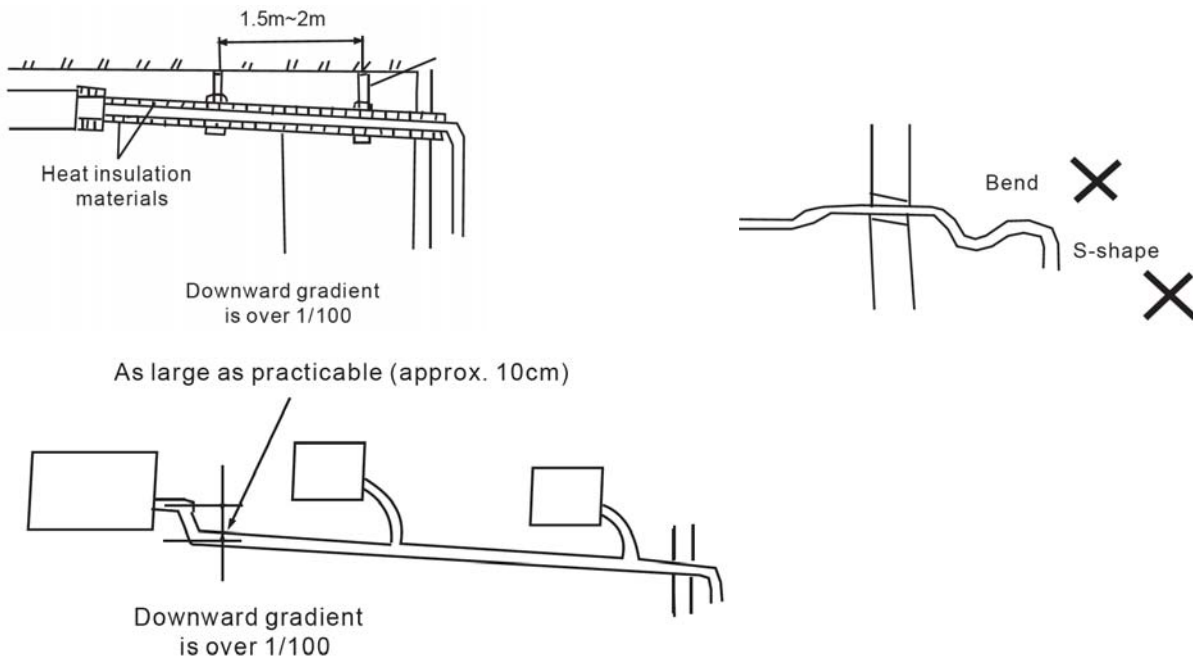
1. Install the drain pipe of the fan coil unit

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.

Installation (Cont.)



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.

13.6 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 wirings well to avoid cross-disturbance.

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

The wiring connection please refers to Unit Wiring Diagram.

Installation (Cont.)

Checks Before Starting

(1) UNIT

- a. The installation location is adequate
- b. The unit is solidly mounted and leveled
- c. The air filters are installed correctly
- d. The cabinet is installed securely
- e. The internal deflectors of supply air are adjusted for correct air diffusion

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(2) CONDENSATE DRAIN LINE CONNECTIONS

- a. The Condensate drain line is gradually inclined downwards to the outside
- b. The Condensate water flow smoothly

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(3) ELECTRICAL CONNECTIONS

- a. The operating voltage electrical power supply is in the voltage range shown on the unit's nameplates.
- b. The sizes of electrical connection cords are adequate according to unit model
- c. The size and type of unit circuit breaker are adequate according to unit model
- d. The fuse size and type is adequate according to unit model
- e. The electrical wiring connections between power supply, unit and circuit breaker are adequate
- f. All fields electrical wiring connections are tightened and secured
- g. The ground wire is connected to the ground

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(4) TESTING RUNNING

- a. The cooling operation is tested
At least one complete cooling cycle of unit operation is observed
- b. There is no any abnormal noise or vibration from the unit during operation.

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(5) CUSTOMER GUIDANCE

- a. The following information have been explained to the customer
 - Starting and stopping method
 - Operation switching
 - Temperature adjustment
 - Air Flow switching
 - Filter removal and cleaning
- b. The operation and installation manuals have been given to the customer

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14. SERVICES AND MAINTENANCE

Maintenance

➤ **Air filter**

The air filter retains fluff, dust, pollen and air impurities. Check its efficiency at least monthly or more often if the unit is installed in a dusty room.

A dirty filter reduces unit efficiency.

- Withdraw the filter the unit efficiency.
- Clean the filter gently with soapy water or with a vacuum cleaner.
- Insert the filter and locate it in position.

It is advisable to replace the air filter before the winter season.

➤ **Condensate draining**

In summer check that the condensate drain is free from dust and lint that could clog it, causing condensate water overflow.

➤ **Heat exchanger**

At the beginning of the summer and winter seasons it is advisable to check that coil fins are not clogged with dust, lint or other foreign matter that has fallen through the supply grille.

Clean the coil after having removed the supply grilles, taking care not to damage the fins.

➤ **Motor**

This is permanently lubricated.

Therefore no periodical maintenance is required.

15. Accessories

15.1 Standard accessories

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

15.2 Optional accessories

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

15.2.1 PCB control kit for FCU

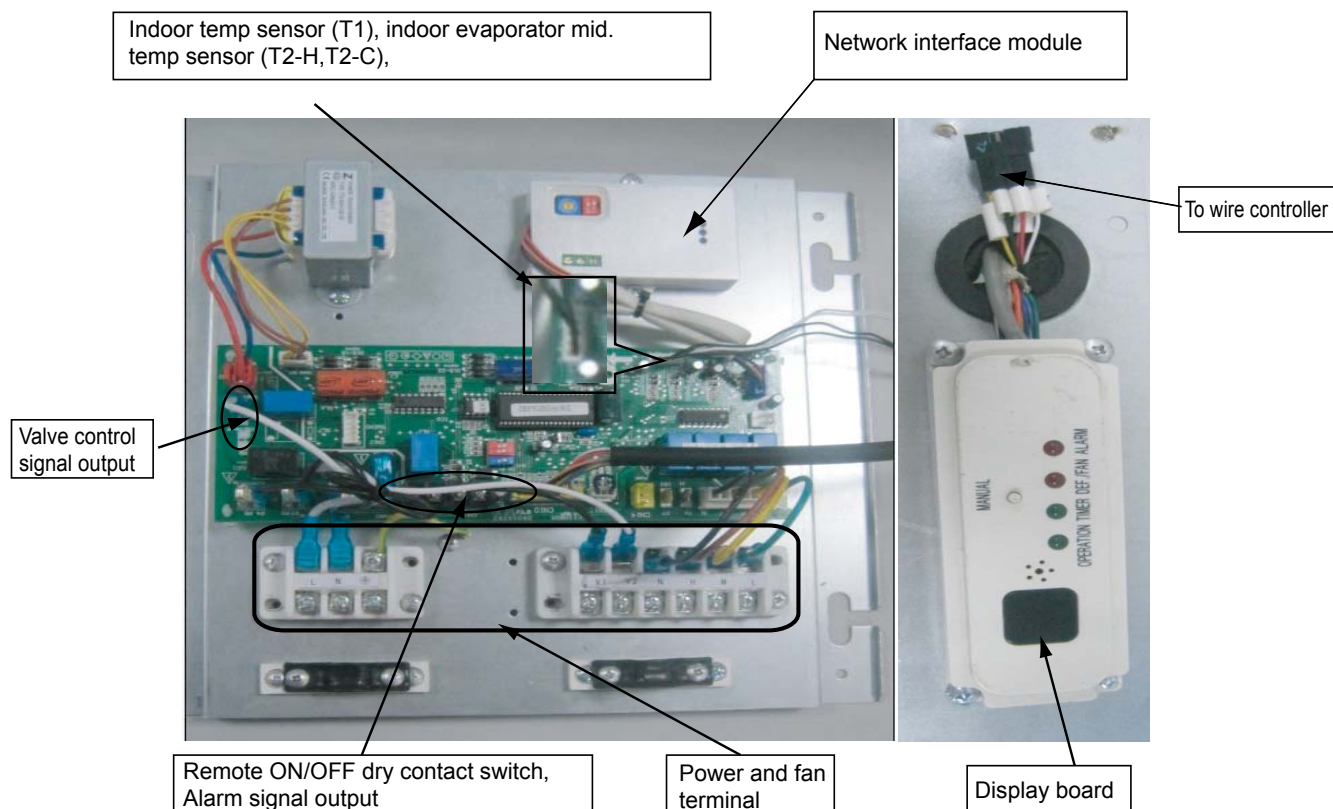


1. Specifications

Model		CE-FCUKZ-01
Available appliance		2-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

Accessories (Cont.)

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

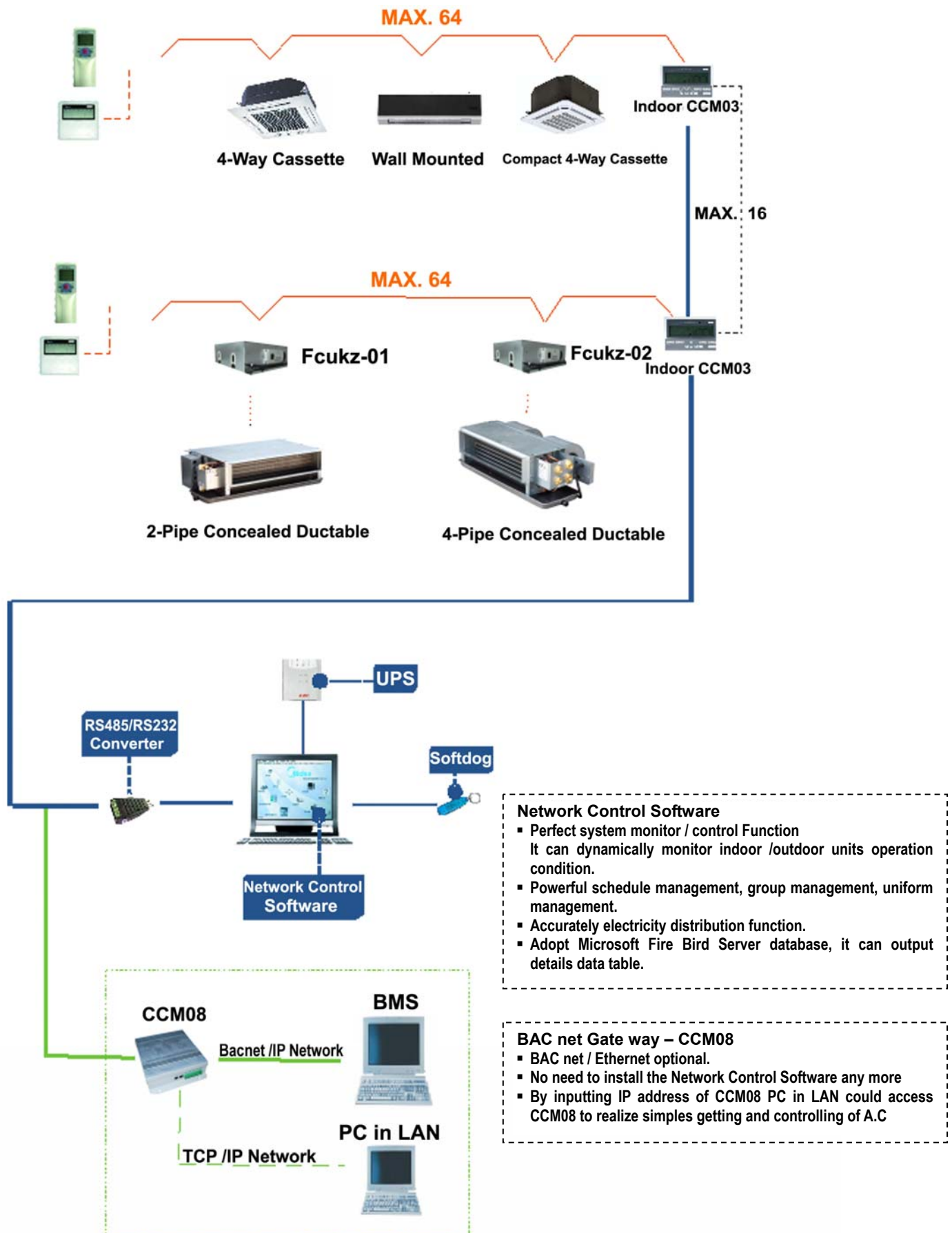
1. Suitable for 2-pipe and 4-pipe ducted FCU which without electric heater.
2. Installation flexible, it can be installed attaching on the unit, mounting on the wall or hanging under the ceiling.
3. Maintenance convenient for its external installed.
4. Three fan speeds adjustment: high/medium/low.
5. 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	√	√	√	√

Accessories (Cont.)

5. Application of Network control & BMS control



Accessories (Cont.)

Optional Wired Controller

KJR-90A-E



Optinal 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 : High / Medium / Low / Auto
- Louver swing
- Small size and Easy for installation
- Exquisite apperance and LCD display function

KJR-90A1-E



Optinal 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 : High / Medium / Low / Auto
- Louver swing
- 1) Only can select ON/OFF, Temp, Swing and Timer
- 2) Avoid mode conflict

KJR-10B



Optinal 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 : High / Medium / Low / Auto
- Louver swing

KJR-12B



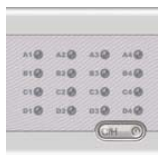
Optinal for all the indoor units

- Mode selection : Auto, Cool, Dry, Heat, Fan Only
- Temp. setting range : 17 ? to 30 ?
- Daily Timer Setting
- Fan Speed Control : High / Medium / Low / Auto
- Louver swing
- Follow Me function

Accessories (Cont.)

Optional Central Controller

KJR-90B/M-E



- Indoor unit central controller
- New design indoor unit central controller, simple ON/OFF function
- Max. 16 indoor units can controlled
- Switch modes between cooling and heating
- Overall / mono – control the indoor units

CCM03



- Indoor unit central controller
- Max. 64 indoor units can 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 contactin put

KJR-180A



- Indoor unit central controller
- Max. 16 indoor units can 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 contactin put
- Easier for installation in the wall, complete cabinet at thear

CCM09



- Indoor unit central controller
- Max. 46 indoor units can controlled
- Indoor unit weekly timer central controller
- 7-says weekly schedule setting (Maximum 128 weekly & daily schedules)
- Clear & bright
- LCD display screen
- Background light
- Sleep function
- Silent function
- Lock function
- Permanetshedule setting storage

Accessories (Cont.)

15.2.2 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.

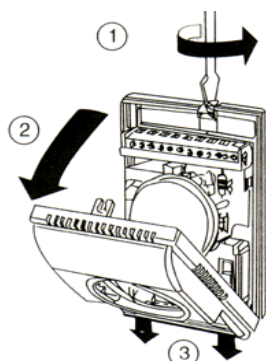
Models	Features
KJR-18B/E-A	Only control 3-speed fan, when the temperature reaches the set-point, it will close the Fan.
KJR-18B/E-B	Control motorized valve and 3-speed fan, when the temperature reaches the set-point, it will close the motorized valve and fan both
KJR-18B/E-C	Control motorized valve 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 $\pm$ 10%-1Ph-50/60Hz
Operating temperature	0~45°C
Operating Humidity	5~90%RH
Temperature controlling range	10~30°C
Temperature controlling precision	$\pm$ 1°C
Dimension (H×W×D)	130×85×43mm

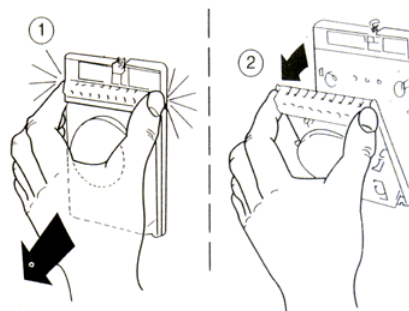
3. Installation

1) Dismantle the front panel



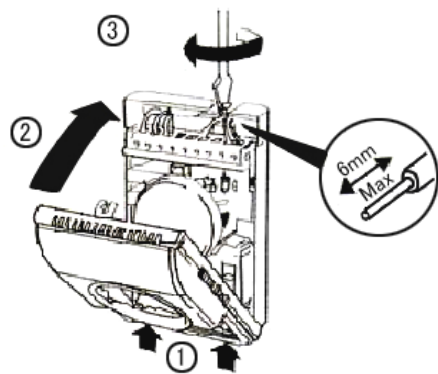
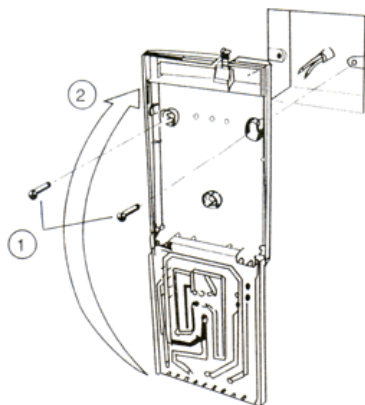
3) Install the back base

2) Dismantle te middle part



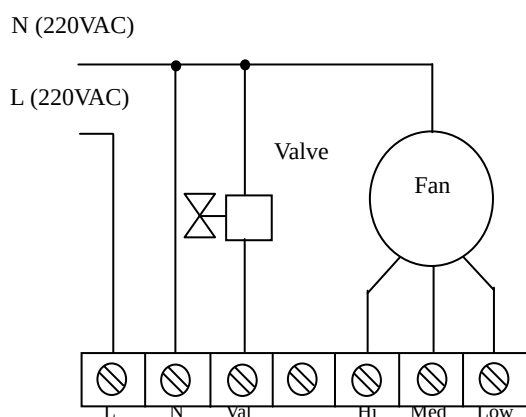
4) Wire Connection

Accessories (Cont.)



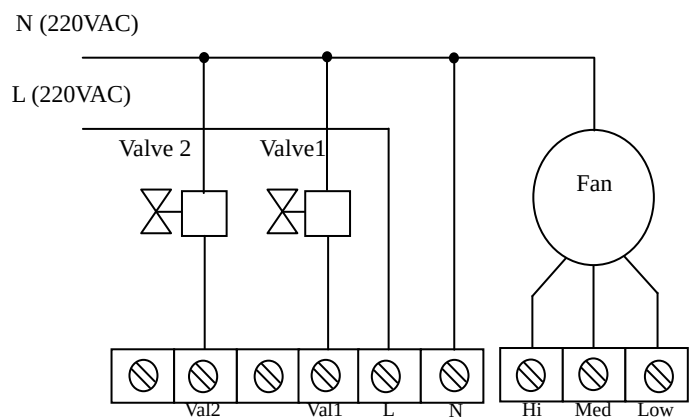
Wiring diagrams :

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

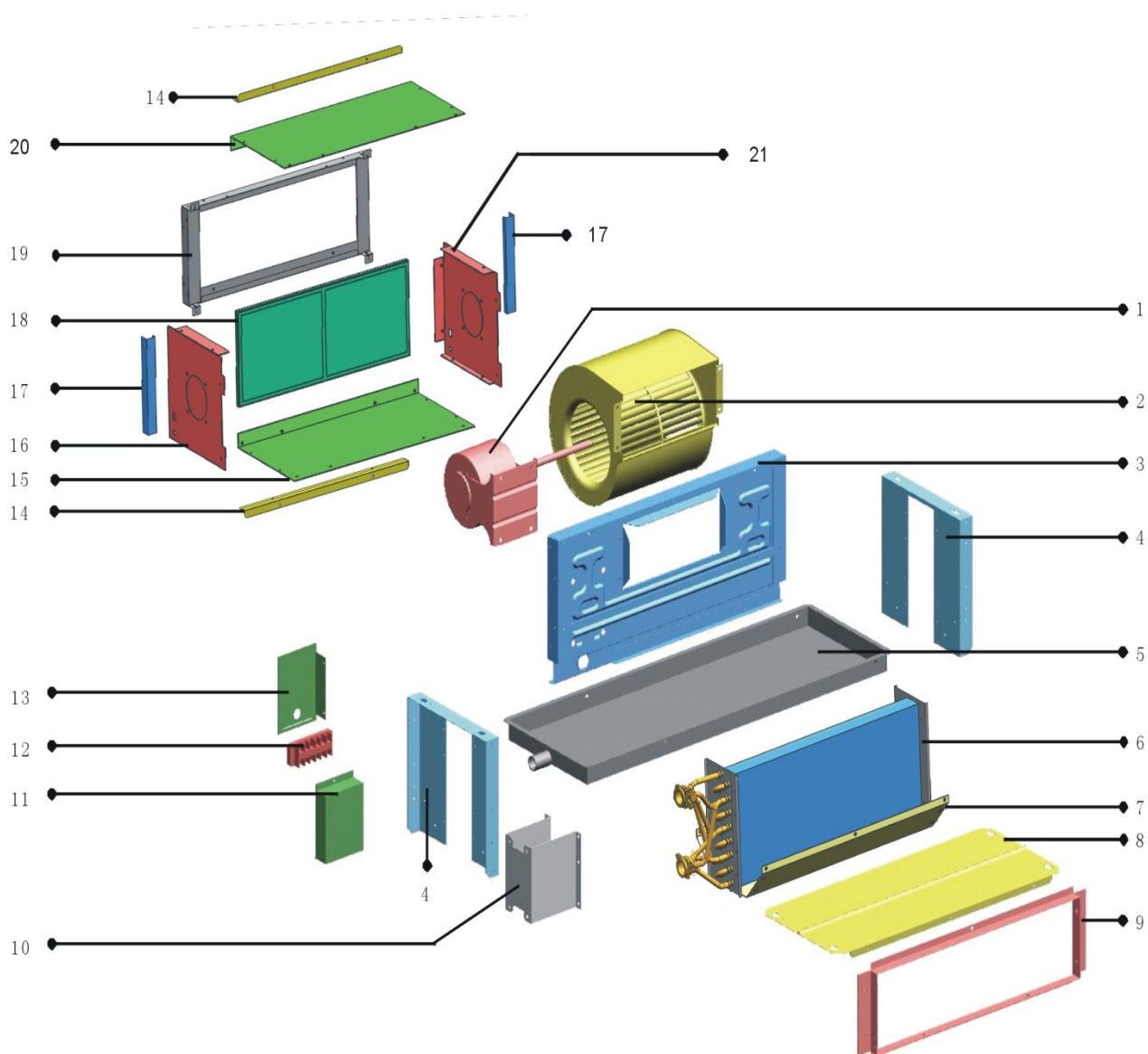
2-wire NC valve system

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

16. Exploded View & Part List

MKT3-200G30

MKT3-200G50

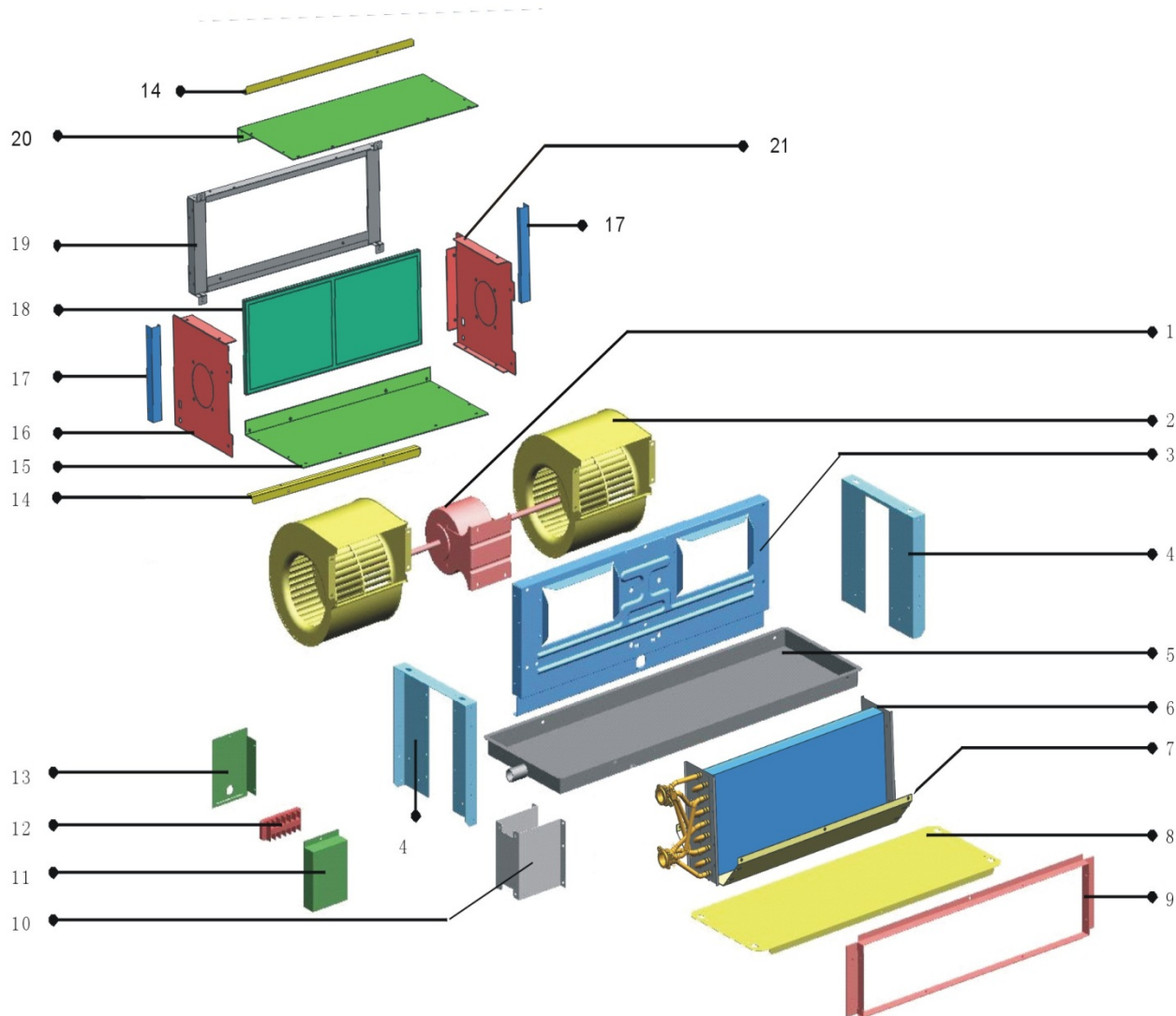


No.	Part Name	Quantity
1	Motor ass'y	1
2	Fan ass'y	1
3	Middle beam partition board ass'y	1
4	Side board	2
5	Drain pan ass'y	1
6	Coil ass'y	1
7	Waterproof board	1
8	Top cover ass'y	1
9	Flange ass'y	1
10	Installing board	1
11	Motor junction box cover	1

No.	Part Name	Quantity
12	Wire joint, 5p	1
13	Motor junction box	1
14	Flange connecting strip	2
15	Rear below cover plate ass'y	1
16	Left cover plate ass'y	1
17	Flange cover board	2
18	Nylon filter	1
19	Flange ass'y	1
20	Up cover plate ass'y	1
21	Right cover plate ass'y	1

Exploded View & Part List (Cont.)

MKT3-300G30 MKT3-300G50
MKT3-400G30 MKT3-400G50
MKT3-500G30 MKT3-500G50
MKT3-600G30 MKT3-600G50

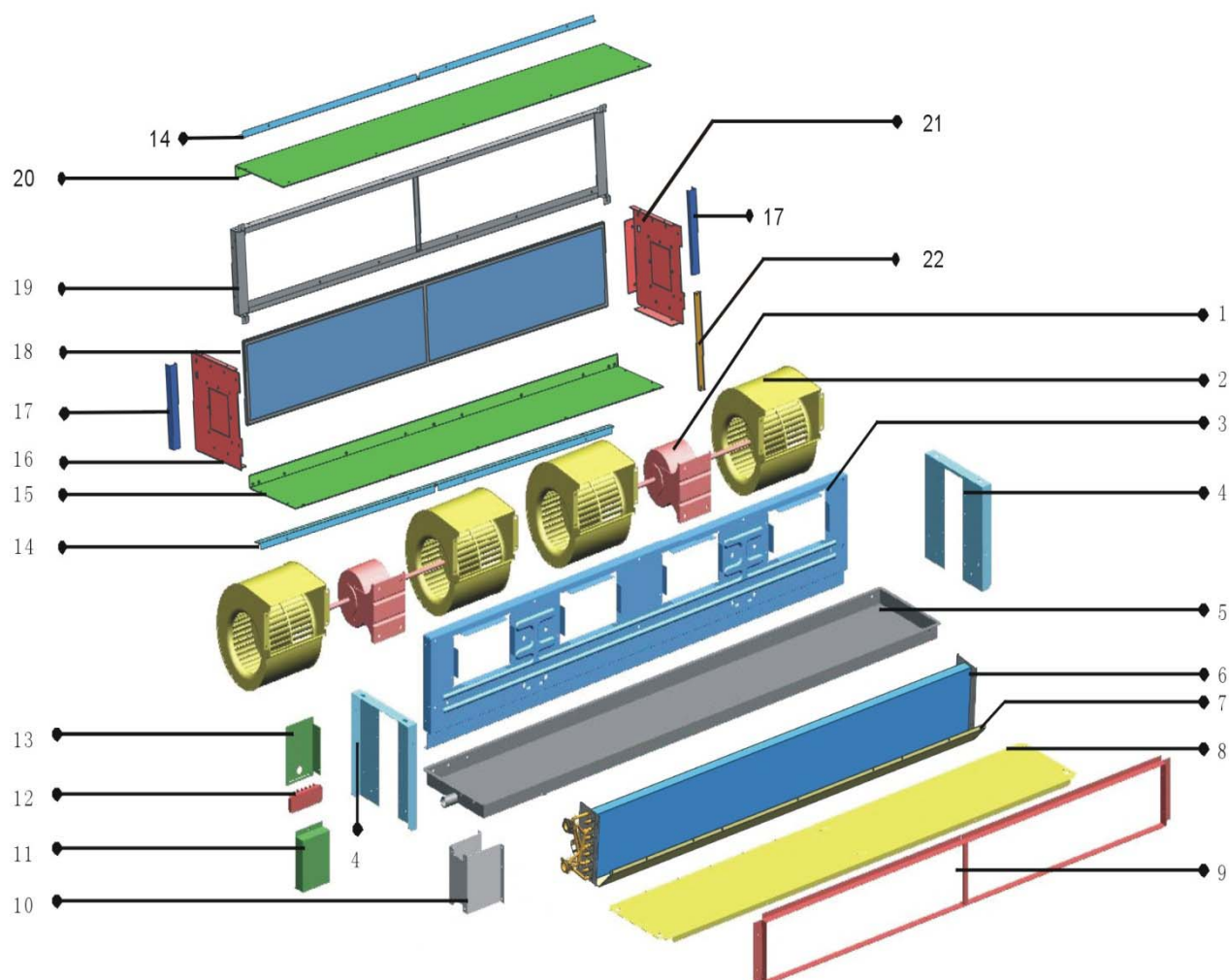


No.	Part Name	Quantity
1	Motor ass'y	1
2	Fan ass'y	2
3	Middle beam partition board ass'y	1
4	Side board	2
5	Drain pan ass'y	1
6	Coil ass'y	1
7	Waterproof board	1
8	Top cover ass'y	1
9	Flange ass'y	1
10	Installing board	1
11	Motor junction box cover	1

No.	Part Name	Quantity
12	Wire joint, 5p	1
13	Motor junction box	1
14	Flange connecting strip	2
15	Rear below cover plate ass'y	1
16	Left cover plate ass'y	1
17	Flange cover board	2
18	Nylon filter	1
19	Flange ass'y	1
20	Up cover plate ass'y	1
21	Right cover plate ass'y	1

Exploded View & Part List (Cont.)

MKT3-800G30 MKT3-800G50
MKT3-1000G30 MKT3-1000G50
MKT3-1200G30 MKT3-1200G50
MKT3-1400G30 MKT3-1400G50

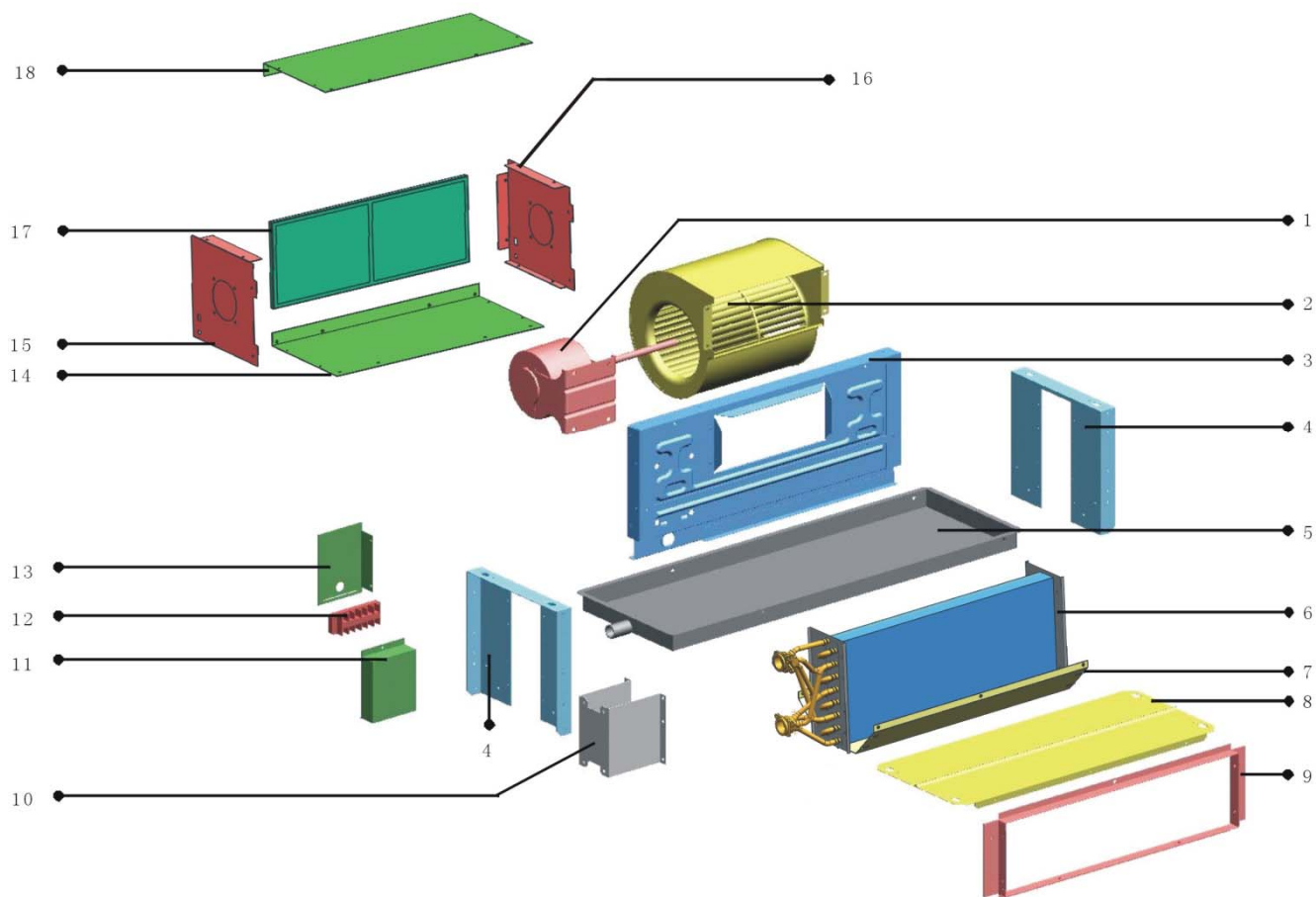


No.	Part Name	Quantity
1	Motor ass'y	2
2	Fan ass'y	4
3	Middle beam partition board ass'y	1
4	Side board	2
5	Drain pan ass'y	1
6	Coil ass'y	1
7	Waterproof board	1
8	Top cover ass'y	1
9	Flange ass'y	1
10	Installing board	1
11	Motor junction box cover	1

No.	Part Name	Quantity
12	Wire joint, 5p	1
13	Motor junction box	1
14	Flange connecting strip	4
15	Rear below cover plate ass'y	1
16	Left cover plate ass'y	1
17	Flange cover board	2
18	Nylon filter	2
19	Flange ass'y	1
20	Up cover plate ass'y	1
21	Right cover plate ass'y	1

Exploded View & Part List (Cont.)

MKT4-200G30

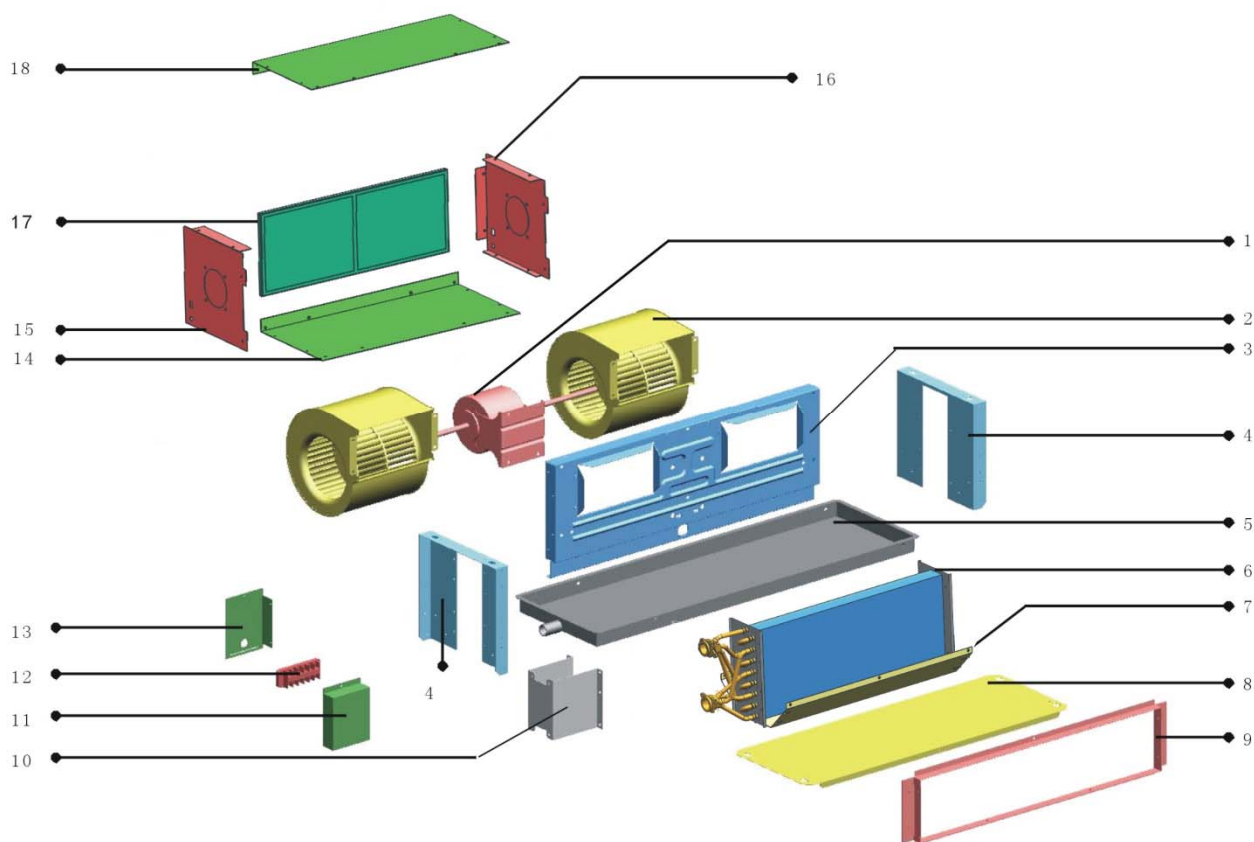


No.	Part Name	Quantity
1	Fan motor assembly	1
2	Fan assembly	1
3	Partition board assembly	1
4	Side board	2
5	Drain pan assembly	1
6	Coil assembly	1
7	Drain pan	1
8	Top cover assembly	1
9	Air outlet flange assembly	1

No.	Part Name	Quantity
10	Water collector installation board	1
11	Motor junction box cover	1
12	Wire joint, 5p	1
13	Motor junction box	1
14	Plenum box under cover assembly	1
15	Plenum box left cover assembly	1
16	Plenum box right cover assembly	1
17	Air filter	1
18	Plenum box upper cover assembly	1

Exploded View & Part List (Cont.)

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

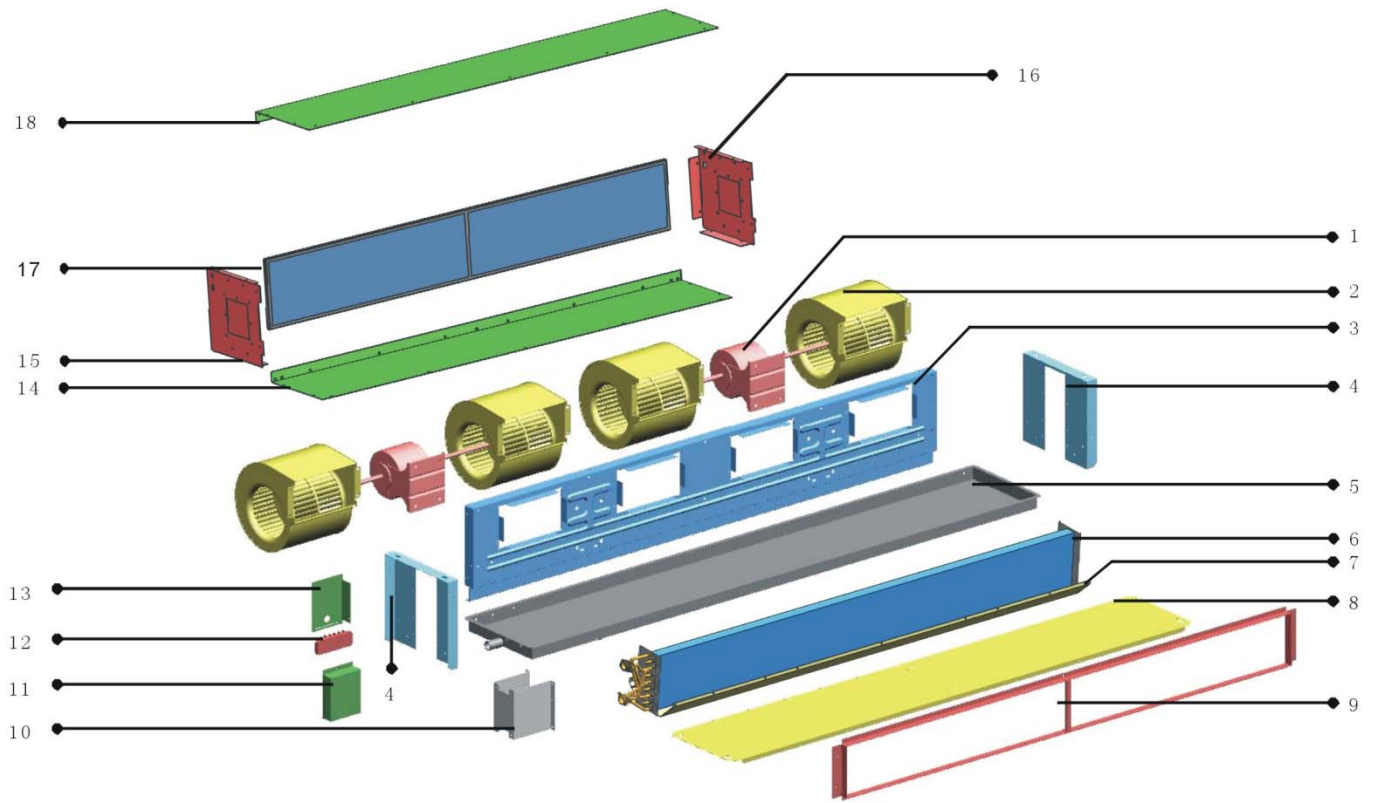


No.	Part Name	Quantity
1	Fan motor assembly	1
2	Fan assembly	2
3	Partition board assembly	1
4	Side board	2
5	Drain pan assembly	1
6	Coil assembly	1
7	Drain pan	1
8	Top cover assembly	1
9	Air outlet flange assembly	1

No.	Part Name	Quantity
10	Water collector installation board	1
11	Motor junction box cover	1
12	Wire joint, 5p	1
13	Motor junction box	1
14	Plenum box under cover assembly	1
15	Plenum box left cover assembly	1
16	Plenum box right cover assembly	1
17	Air filter	1
18	Plenum box upper cover assembly	1

Exploded View & Part List (Cont.)

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

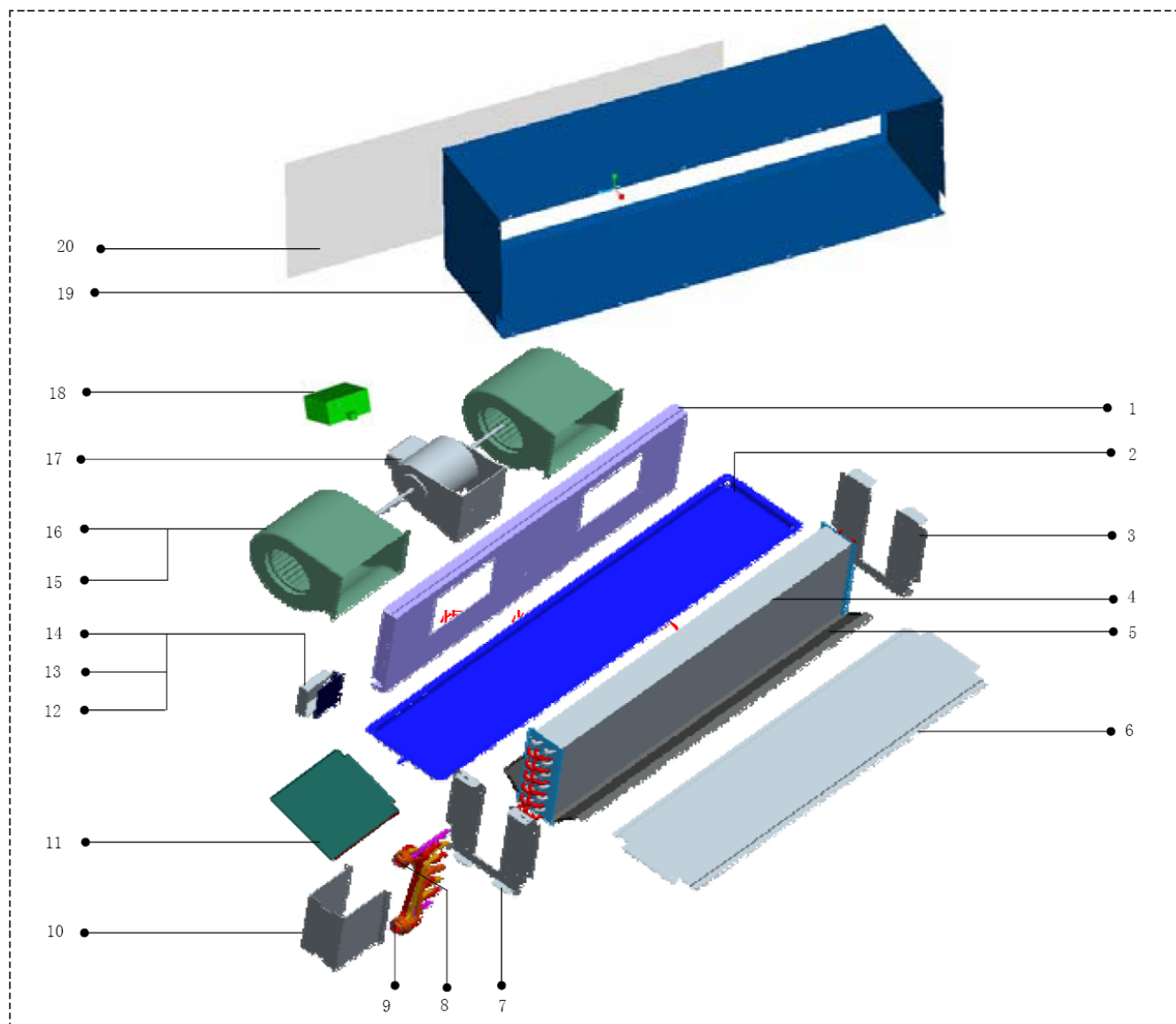


No.	Part Name	Quantity
1	Fan motor assembly	2
2	Fan assembly	4
3	Partition board assembly	1
4	Side board	2
5	Drain pan assembly	1
6	Coil assembly	1
7	Drain pan	1
8	Top cover assembly	1
9	Air outlet flange assembly	1

No.	Part Name	Quantity
10	Water collector installation board	1
11	Motor junction box cover	1
12	Wire joint, 5p	1
13	Motor junction box	1
14	Plenum box under cover assembly	1
15	Plenum box left cover assembly	1
16	Plenum box right cover assembly	1
17	Air filter	1
18	Plenum box upper cover assembly	1

Exploded View & Part List (Cont.)

MKT4H-1500G50

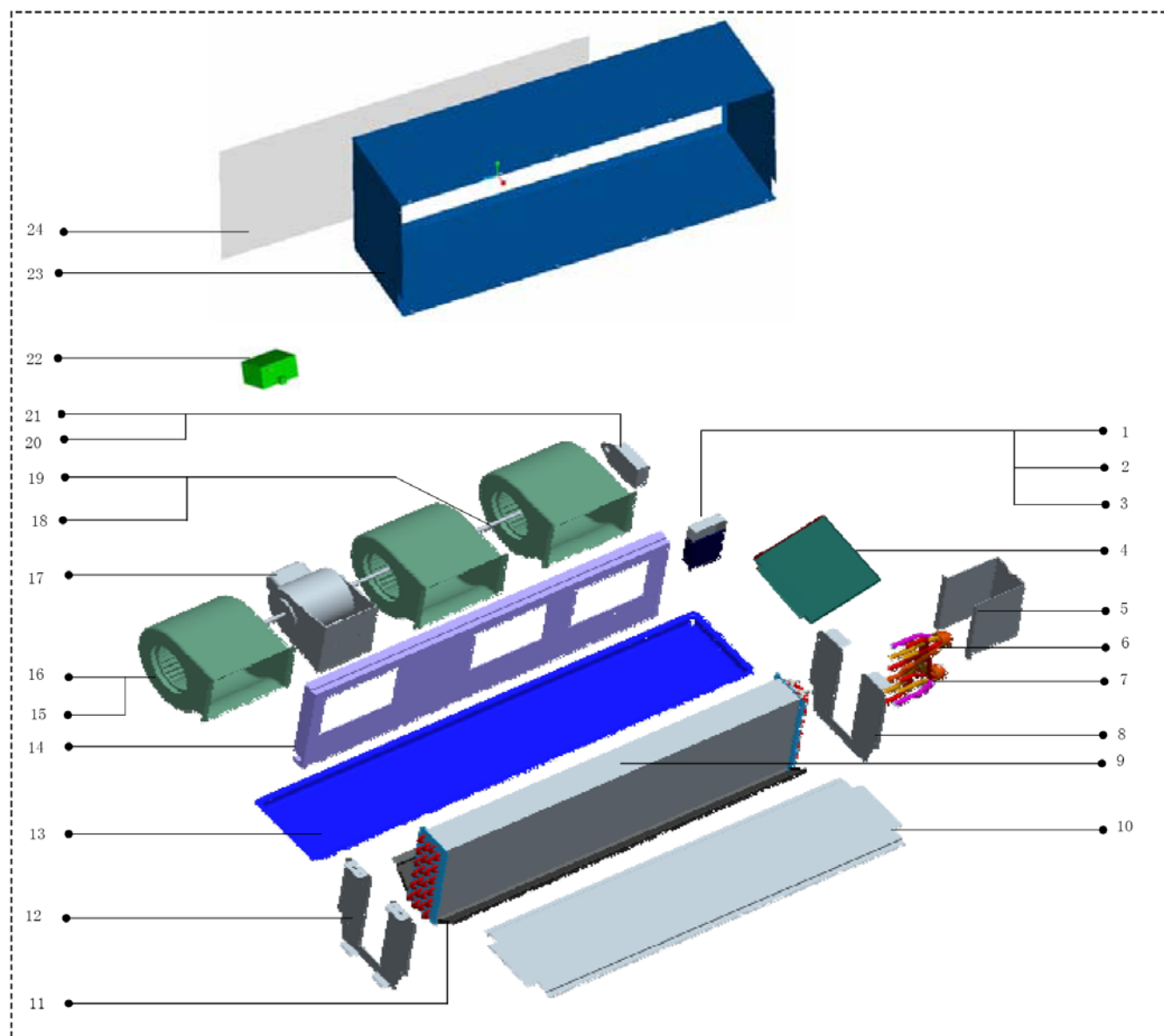


No.	Part Name	Quantity
1	Middle beam partition board ass'y	1
2	Drain pan ass'y	1
3	Right side ass'y	1
4	Coil ass'y	1
5	Drain pan	1
6	Top cover ass'y	1
7	Left side ass'y	1
8	Water outlet valve	1
9	Water inlet valve	1
10	Installing board	1

No.	Part Name	Quantity
11	Plastic Drainage pan	1
12	Installation board	1
13	Installation board cover	1
14	Wire joint	1
15	Fan ass'y	2
16	Volute shell	2
17	Motor ass'y	1
18	Capacitor	1
19	Return air box ass'y	1
20	Air filter	1

Exploded View & Part List (Cont.)

MKT4H-2000G50



No.	Part Name	Quantity
1	Installation board	1
2	Installation board cover	1
3	Wire joint	1
4	Drain pan ass'y	1
5	Installing board	1
6	Water outlet valve	1
7	Water inlet valve	1
8	Left side ass'y	1
9	Coil ass'y	1
10	Top cover ass'y	1
11	Drain pan	1
12	Right side ass'y	1

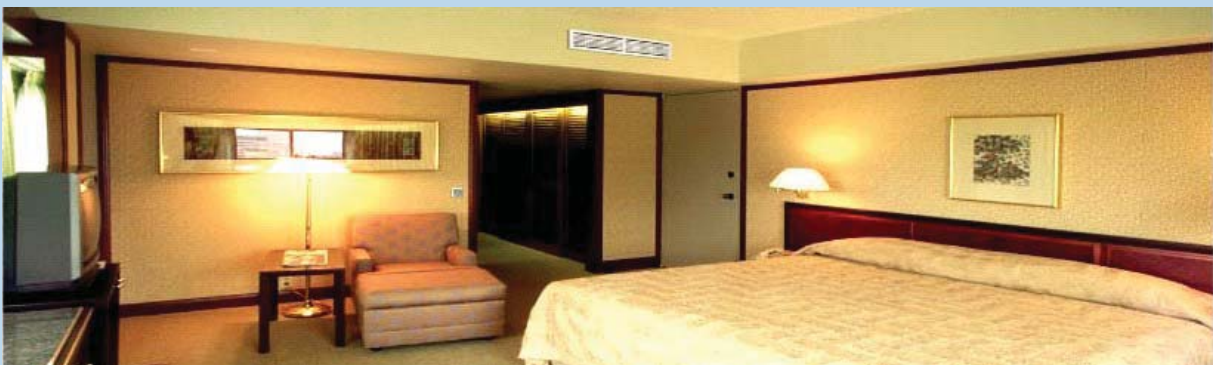
No.	Part Name	Quantity
13	Drainage pan ass'y	1
14	Middle beam partition board ass'y	1
15	Fan ass'y	3
16	Volute shell	3
17	Motor ass'y	1
18	Coupling	1
19	Connecting shaft	1
20	Bearing supporting board	1
21	Bearing Fixing board	1
22	Capacitor	1
23	Return air box ass'y	1
24	Air filter	1



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