

Midea 50Hz DC Fan Coil Unit 2-Pipe One-way Cassette Series Technical Service Manual

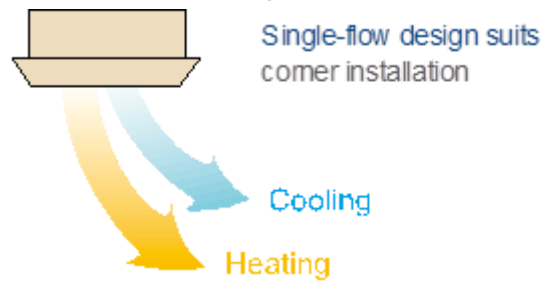
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Two-pipe One-way Cassette Fan Coil Unit

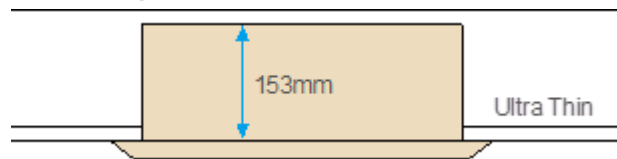
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1. Features

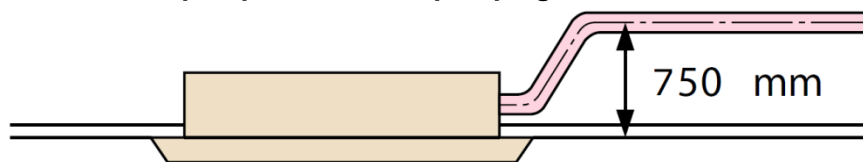
- ✚ Capacity ranges from 300CFM to 600CFM.
- ✚ One direction air flow guarantees quick cooling, flexible installation positioning.



- ✚ Space saving, only 153mm in height.



- ✚ Built-in drain pump with 750mm pumping head.



2. External Appearance

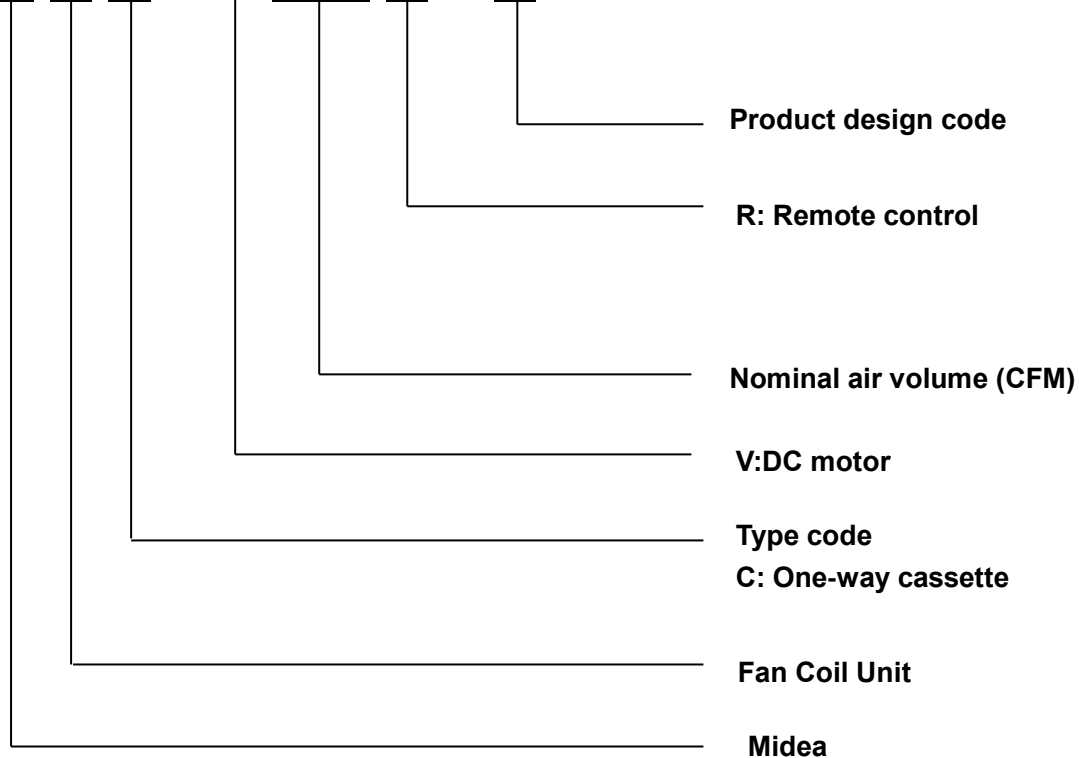


3. Products Lineup

Model	Air volume (CFM)	Power supply
MKC-V300R-B	300	220~240V-1Ph-50Hz
MKC-V400R-B	400	
MKC-V600R-B	600	

4. Nomenclature

M K C – V 300 R – B



5. Specifications

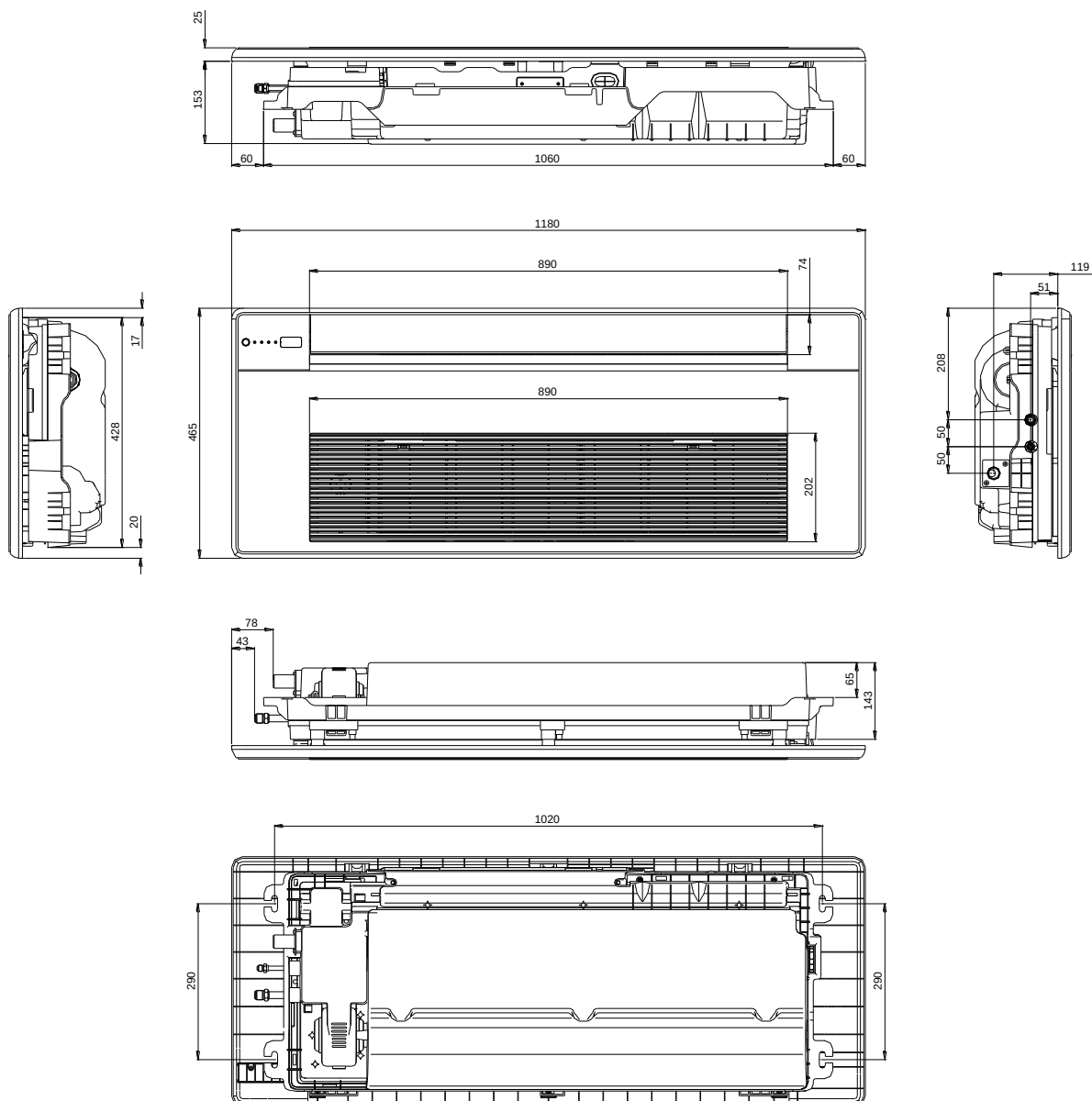
Model			MKC-V300R-B	MKC-V400R-B	MKC-V600R-B
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m³/h	510/432/330	630/509/428	1000/786/583
		CFM	300/254/194	371/299/252	588/462/343
Cooling	Sensible Capacity (H/M/L)	kW	2.17/1.86/1.44	2.98/2.59/2.3	3.99/3.35/2.74
	Capacity (H/M/L)	kW	2.64/2.23/1.68	3.94/3.43/3.07	5.09/4.36/3.58
	Water flow rate(H/M/L)	m³/h	0.49/0.42/0.33	0.6/0.52/0.45	0.87/0.7/0.55
	Water pressure drop(H/M/L)	kPa	8.63/6.26/3.69	23.85/18.07/14.8	38.22/28.95/19.41
	Power input(H/M/L)	W	22/18/14	23/19/17	38/27/19
Heating	Capacity (H/M/L)	kW	3.85/3.27/2.53	4.86/3.94/3.24	6.49/5.3/4.01
	Water flow rate(H/M/L)	m³/h	0.5/0.42/0.32	0.59/0.49/0.42	0.86/0.67/0.48
	Water pressure drop(H/M/L)	kPa	7.72/5.75/3.28	20.12/15.50/12.42	32.36/24.57/16.37
	Power input(H/M/L)	W	16/11/8	16/12/10	31/20/12
Sound pressure level (H/M/L)		dB(A)	44.3/40.6/33.5	36.6/32.6/30.4	44.6/38.6/33.1
Sound power level (H/M/L)		dB(A)	54/50/43	48/43/40	56/50/44
Rated current		A	0.39	0.45	0.59
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ7	Φ7	Φ7
Panel	Net dimensions (W×H×D)	mm	1180x25x465	1350 x25x505	1350 x25x505
	Packing size (W×H×D)	mm	1232x107x517	1410 x95x560	1410x95x560
	Net weight	kg	3.5	4	4
	Gross weight	kg	5.2	5.4	5.4
Body	Net dimensions (W×H×D)	mm	1054x153x428	1275x189x450	1275x189x450
	Packing size (W×H×D)	mm	1155x245x490	1400x295x505	1400x295x505
	Net weight	kg	12.5	17.5	17.5
	Gross weight	kg	16.5	23.5	23.5
Pipe connections	Water inlet/outlet pipe	inch	G1/2	G1/2	G1/2
	Drain pipe	mm	ODΦ25	ODΦ25	ODΦ25

Notes:

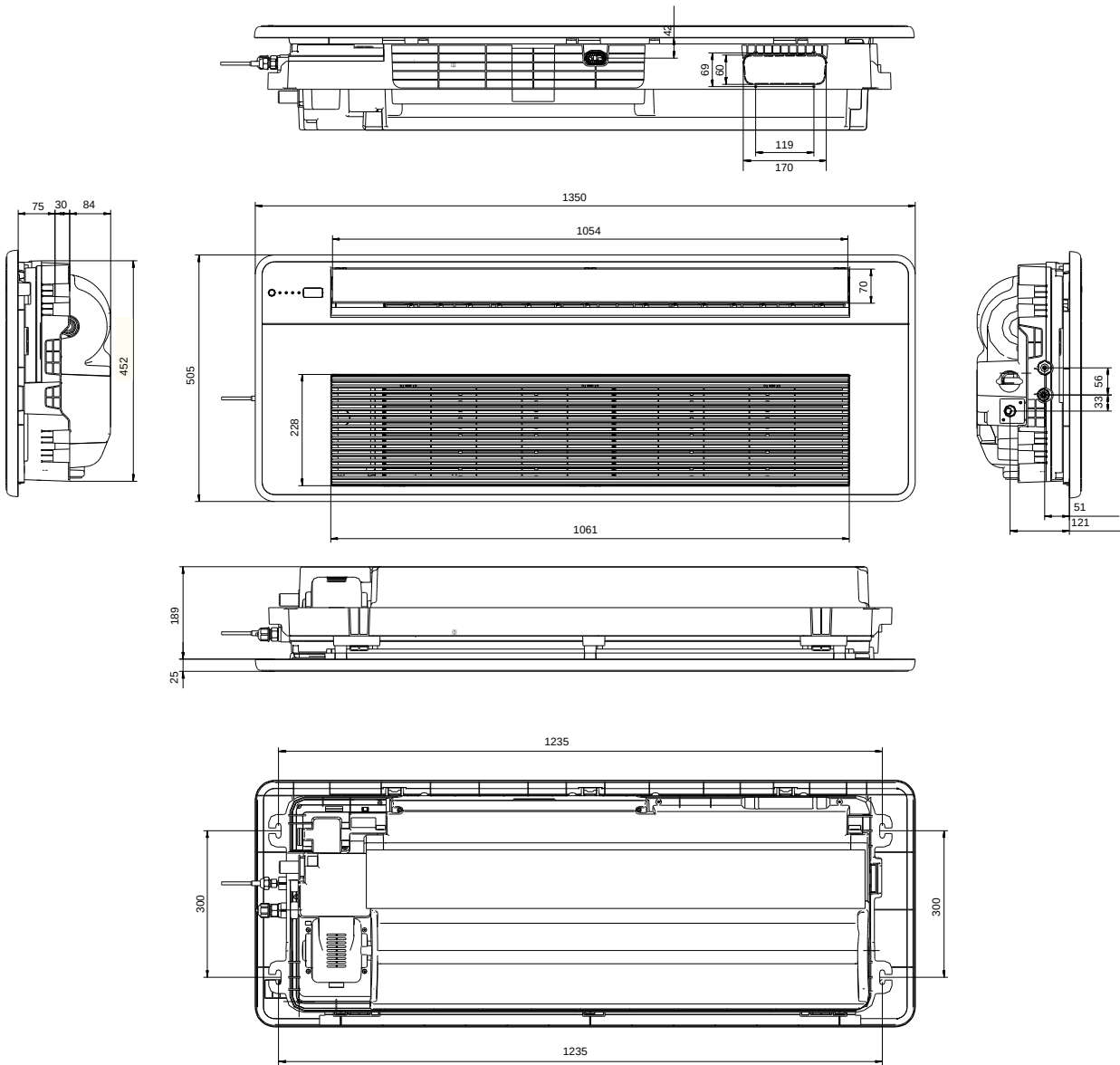
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB/19°C WB.
Heating conditions: entering water 45°C, temperature decrease 5°C entering air temperature 20°C DB,
3. Noise is tested in a semi-anechoic test room.

6. Dimensions

300CFM



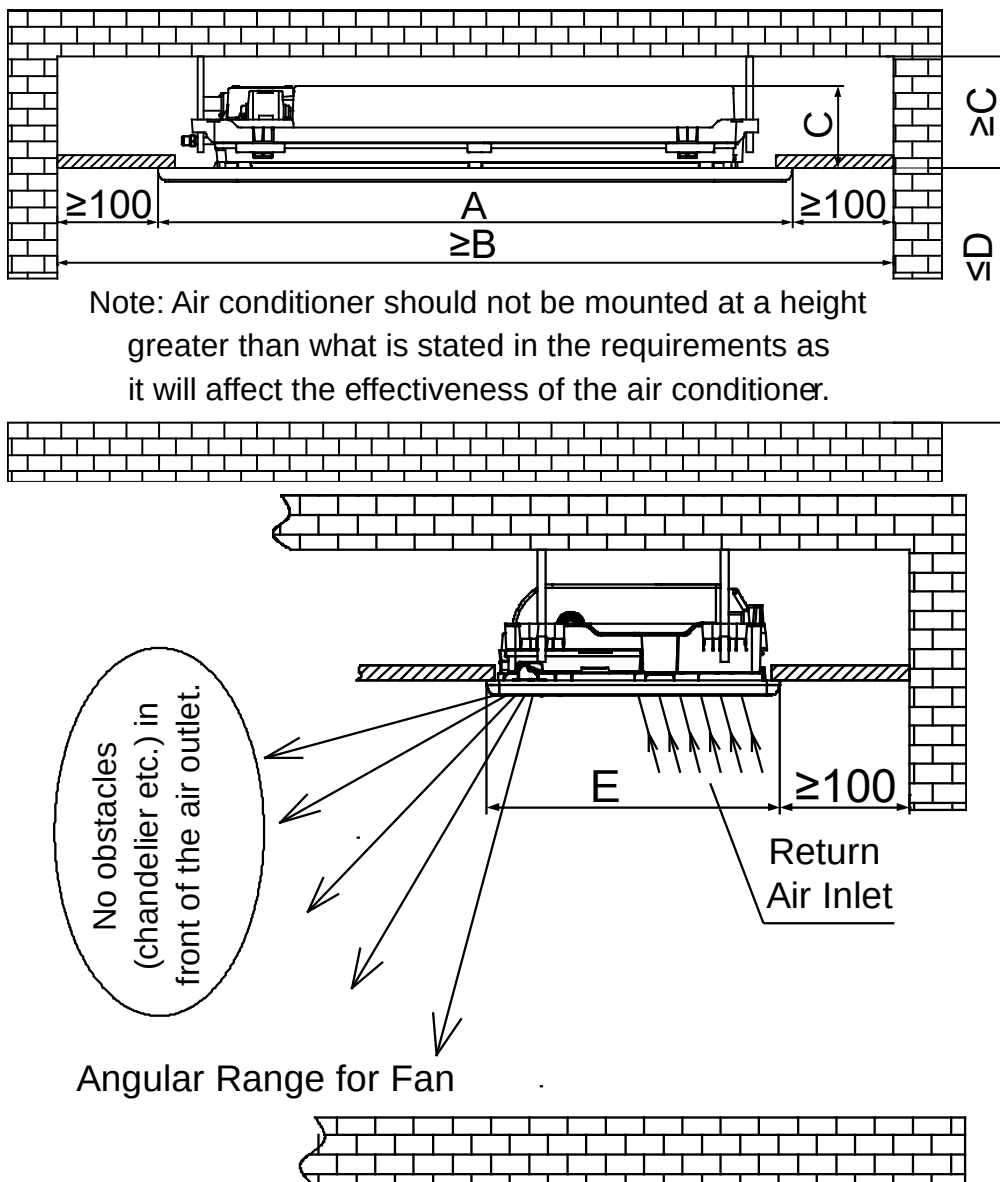
400/600CFM



7. Service Spaces

- Please avoid installing in the following places:
 - A place with flammable gas or material.
 - A saline place such as seashore vicinity.
 - A place with sulfur gas.
 - A place with oil gas, such as kitchen.
 - A place with high-humidity air.
 - An unbearable place.
 - A place where high-frequency waves are generated.
- The appliance shall not be installed in the laundry.
- Please comply with the related national electric standard to make electric insulation for construction and metal parts of air-conditioner.
- Please choose the place where the ventilation is good.
- Ceiling space requires 170mm.
- The installation height of the unit cannot be higher than 3.2m, or it will affect the operation effect.

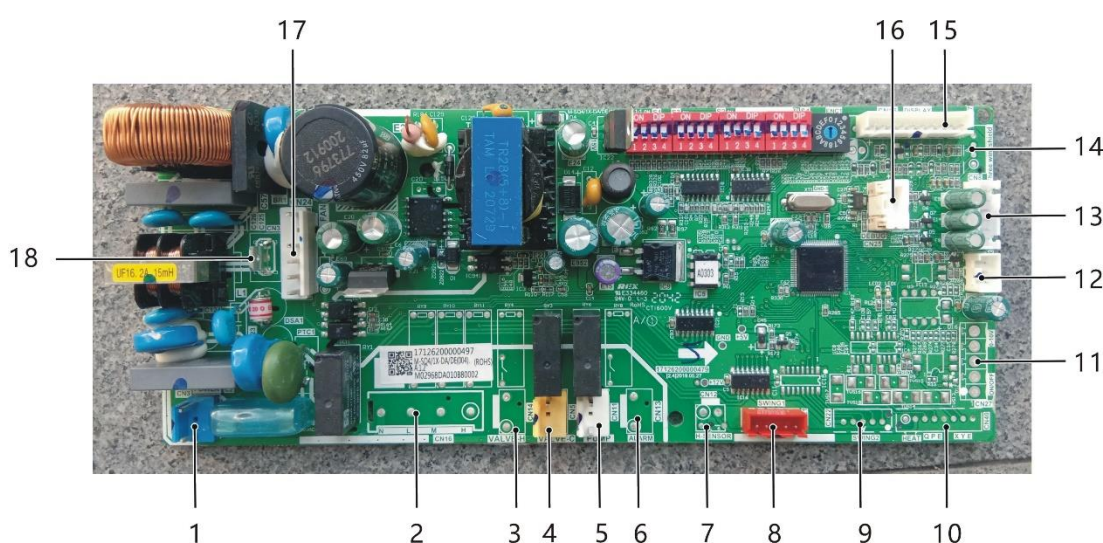
Unit: mm



Unit: mm

No. \ Model	300	400, 600
A	1180	1350
B	1380	1550
C	153	189
D	3200	4000
E	465	505

8. Main PCB ports



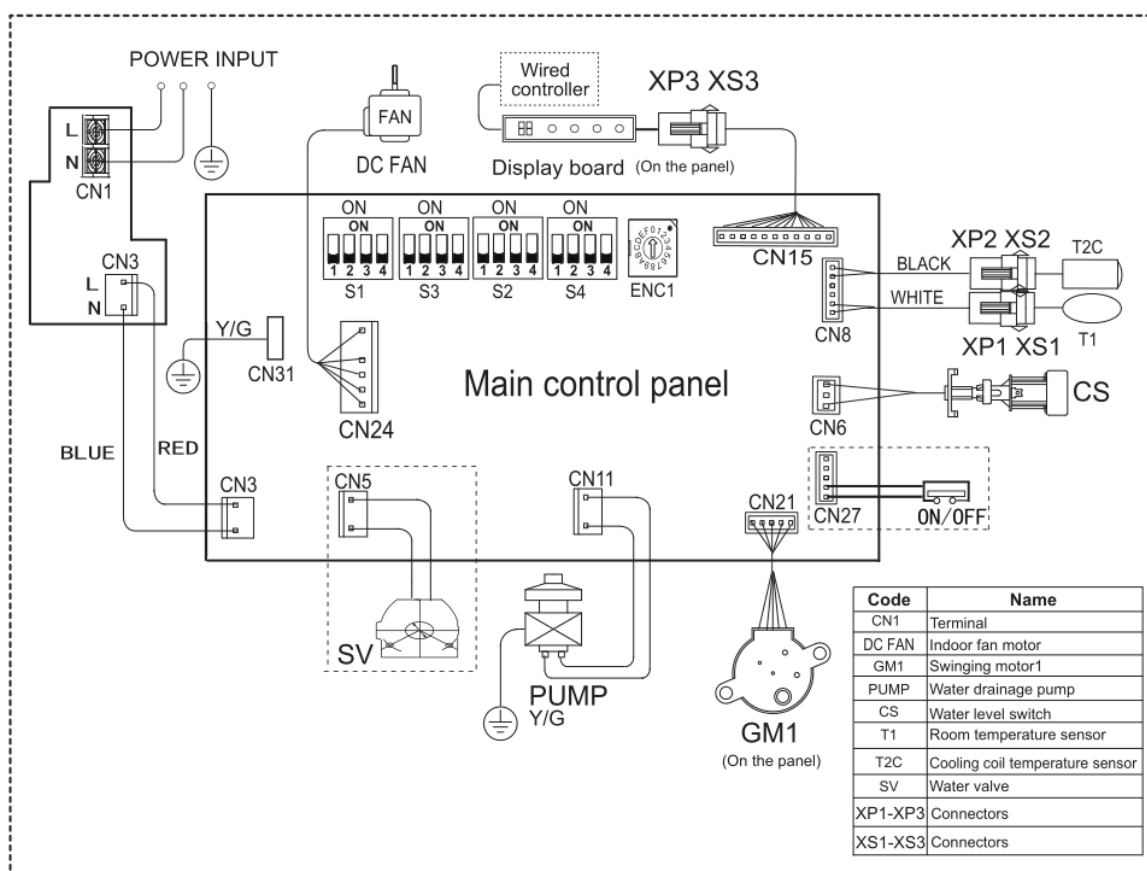
Main PCB port description:

No.	Bit No.	Description	Remarks
1	CN3	POWER: Mains input	
2	CN16	N: Null line output port	
		L: Low fan speed output port	
		M: Medium fan speed output port	
		H: High fan speed output port	
3	CN14	VALVE-H: Heating 2-way/3-way valve (live line/null line)	
4	CN5	VALVE-C: Cooling 2-way/3-way valve (live line/null line)	
5	CN11	PUMP: Water pump output port	
6	CN13	ALARM: Fault alarm output	
7	CN12	H-SENSOR: Electric auxiliary heat short connector port	
8	CN21	SWING 1: Swing motor port 1	
9	CN22	SWING 2: Swing motor port 2	
10	CN40	HEAT: Electrical auxiliary thermal relay control port	
		PQE: Modbus communication port	
		XYE: Centralized control communication port	
11	CN27	ON/OFF: Remote on/off port	
		0-10V: 0-10V wire controller input port	

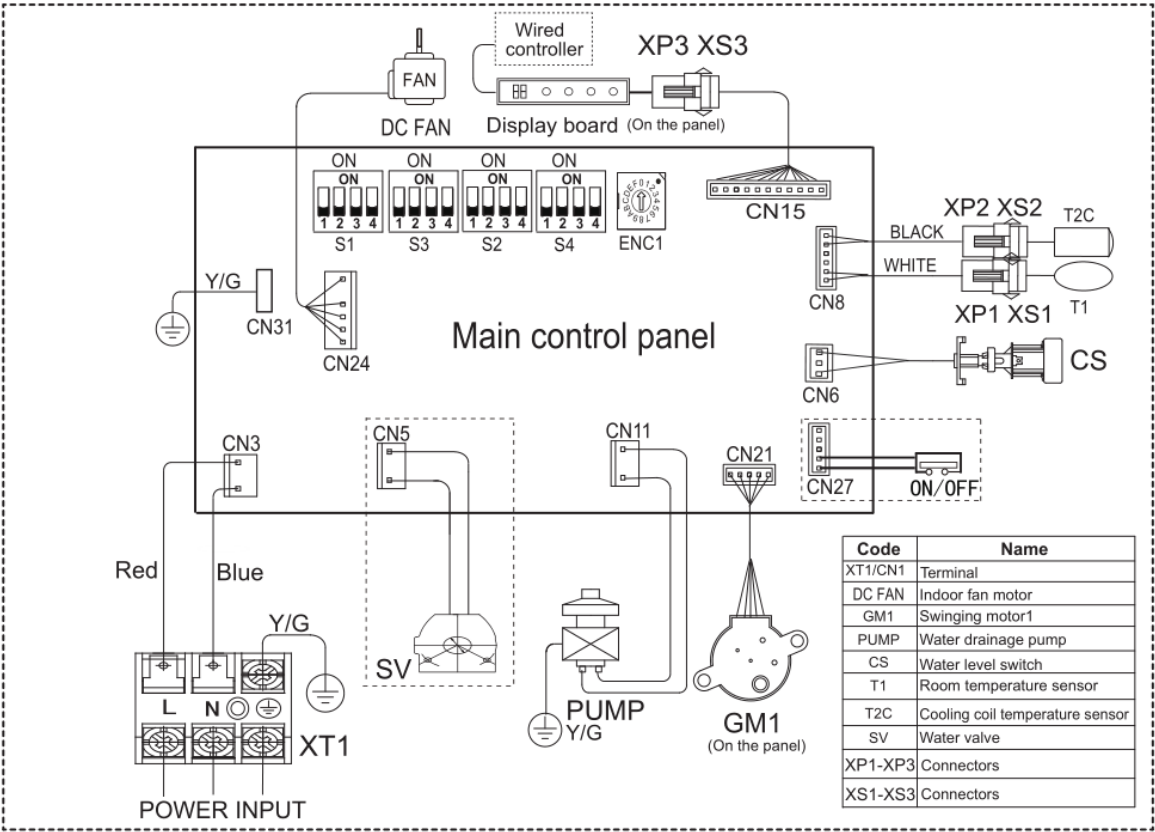
12	CN6	WATER: Water level switch port	
13	CN8	T1: Room temperature sensor port	
		T2H: Heating pipe temperature sensor port	four pipe only
		T2C: Refrigerating pipe temperature sensor port	
14	CN17	Three windshield: Mechanical three-speed switch port	
15	CN15	DISPLAY: Display board docking port (ten cores)	
16	CN25	DEBUG: Main control program burn port	
17	CN24	DC_FAN: DC Fan	
18	CN31	Grounding screw position	

9. Wiring Diagrams

300CFM



400/600CFM



10. Capacity Tables

10.1 Cooling capacity tables

Remark : EWT: Enter 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 (m³/h); WPD: Water Pressure Drop (kPa)

MKC-V300R-B																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°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	2.35	1.89	0.68	9.24	2.32	2.19	0.67	9.06	2.48	2.48	0.71	10.09	2.76	2.76	0.79	12.14	3.04	3.04	0.88	14.34	
		17	3.23	1.90	0.93	15.86	3.21	2.20	0.92	15.65	3.18	2.49	0.91	15.46	3.16	2.77	0.91	15.24	3.12	3.05	0.90	14.98	
		19	-	-	-	-	4.14	2.21	1.19	24.29	4.11	2.50	1.18	23.99	4.08	2.78	1.17	23.70	4.05	3.06	1.17	23.42	
		20	-	-	-	-	4.63	2.21	1.32	29.08	4.60	2.50	1.31	28.73	4.56	2.78	1.30	28.38	4.53	3.07	1.30	28.04	
	4	15	1.96	1.72	0.42	3.16	2.00	1.99	0.43	3.36	2.29	2.29	0.49	4.83	2.58	2.58	0.55	6.41	2.86	2.86	0.62	7.86	
		17	2.81	1.72	0.61	7.61	2.79	2.01	0.60	7.51	2.76	2.30	0.60	7.39	2.73	2.58	0.59	7.24	2.87	2.87	0.62	7.89	
		19	-	-	-	-	3.73	2.02	0.80	12.22	3.70	2.31	0.79	12.07	3.68	2.60	0.79	11.92	3.65	2.88	0.78	11.77	
		20	-	-	-	-	4.23	2.03	0.91	15.14	4.20	2.32	0.90	14.95	4.17	2.61	0.89	14.77	4.14	2.89	0.89	14.59	
	5	15	1.62	1.57	0.28	1.36	1.86	1.86	0.32	1.63	2.14	2.14	0.37	2.22	2.41	2.41	0.41	3.07	2.69	2.69	0.46	4.11	
		17	2.42	1.54	0.42	3.08	2.40	1.84	0.41	3.02	2.38	2.13	0.41	2.94	2.41	2.39	0.41	3.06	2.69	2.69	0.46	4.13	
		19	-	-	-	-	3.29	1.83	0.56	6.66	3.27	2.12	0.56	6.56	3.24	2.41	0.56	6.46	3.22	2.69	0.55	6.35	
		20	-	-	-	-	3.81	1.84	0.65	8.61	3.78	2.13	0.65	8.50	3.75	2.42	0.64	8.39	3.72	2.71	0.64	8.29	
	6	15	1.42	1.42	0.20	0.97	1.71	1.71	0.24	1.17	1.99	1.99	0.28	1.37	2.27	2.27	0.33	1.68	2.54	2.54	0.36	2.18	
		17	2.08	1.40	0.30	1.45	2.06	1.70	0.29	1.43	2.04	1.99	0.29	1.41	2.28	2.28	0.33	1.68	2.55	2.55	0.36	2.19	
		19	-	-	-	-	2.90	1.67	0.42	3.13	2.88	1.96	0.41	3.07	2.86	2.25	0.41	3.01	2.84	2.54	0.41	2.94	
		20	-	-	-	-	3.37	1.66	0.48	4.64	3.34	1.95	0.48	4.55	3.32	2.24	0.47	4.47	3.29	2.53	0.47	4.39	
7	3	15	1.66	1.59	0.48	4.53	1.88	1.88	0.54	6.08	2.18	2.18	0.62	7.93	2.47	2.47	0.71	9.80	2.75	2.75	0.79	11.80	
		17	2.55	1.60	0.73	10.37	2.53	1.90	0.72	10.22	2.50	2.19	0.72	10.05	2.49	2.48	0.71	9.94	2.76	2.76	0.79	11.84	
		19	-	-	-	-	3.48	1.91	1.00	17.82	3.45	2.20	1.00	17.60	3.43	2.49	0.99	17.37	3.40	2.77	0.98	17.14	
		20	-	-	-	-	3.96	1.91	1.14	22.04	3.94	2.20	1.13	21.76	3.91	2.49	1.12	21.49	3.88	2.77	1.11	21.22	
	4	15	1.44	1.44	0.31	1.54	1.72	1.72	0.37	2.32	2.00	2.00	0.43	3.50	2.29	2.29	0.49	4.96	2.57	2.57	0.55	6.42	
		17	2.12	1.42	0.46	4.06	2.09	1.71	0.45	3.95	2.07	2.01	0.45	3.84	2.29	2.29	0.49	4.99	2.58	2.58	0.56	6.45	
		19	-	-	-	-	3.04	1.73	0.66	8.58	3.02	2.02	0.65	8.47	3.00	2.31	0.65	8.35	2.97	2.59	0.64	8.22	
		20	-	-	-	-	3.55	1.73	0.76	11.11	3.52	2.02	0.76	10.97	3.49	2.31	0.75	10.83	3.47	2.60	0.75	10.70	
	5	15	1.29	1.29	0.22	1.03	1.58	1.58	0.27	1.26	1.86	1.86	0.32	1.63	2.13	2.13	0.37	2.31	2.41	2.41	0.41	3.18	
		17	1.77	1.28	0.31	1.48	1.75	1.58	0.30	1.46	1.86	1.86	0.32	1.64	2.14	2.14	0.37	2.32	2.41	2.41	0.41	3.20	
		19	-	-	-	-	2.59	1.54	0.45	3.89	2.57	1.84	0.44	3.81	2.64	2.17	0.49	8.63	2.52	2.41	0.43	3.61	
		20	-	-	-	-	3.08	1.54	0.53	5.87	3.06	1.84	0.53	5.78	3.03	2.13	0.52	5.68	3.01	2.41	0.52	5.58	
	6	15	1.14	1.14	0.16	0.74	1.42	1.42	0.20	0.92	1.71	1.71	0.25	1.11	1.99	1.99	0.29	1.32	2.27	2.27	0.33	1.70	
		17	1.39	1.13	0.20	0.90	1.41	1.38	0.20	0.92	1.71	1.71	0.25	1.11	1.99	1.99	0.29	1.33	2.27	2.27	0.33	1.71	
		19	-	-	-	-	2.24	1.40	0.32	1.66	2.22	1.70	0.32	1.63	2.20	1.99	0.32	1.59	2.27	2.25	0.33	1.70	
		20	-	-	-	-	2.68	1.38	0.38	2.65	2.66	1.68	0.38	2.60	2.63	1.97	0.38	2.54	2.61	2.26	0.38	2.48	
9	3	15	1.30	1.30	0.37	2.47	1.59	1.59	0.46	4.17	1.88	1.88	0.54	6.09	2.18	2.18	0.62	7.79	2.46	2.46	0.71	9.62	
		17	1.82	1.30	0.52	5.70	1.79	1.59	0.51	5.54	1.88	1.86	0.54	6.07	2.18	2.18	0.63	7.82	2.47	2.47	0.71	9.65	
		19	-	-	-	-	2.76	1.61	0.79	11.66	2.73	1.90	0.78	11.49	2.71	2.19	0.78	11.31	2.68	2.47	0.77	11.11	
		20	-	-	-	-	3.26	1.61	0.94	15.58	3.23	1.91	0.93	15.35	3.21	2.20	0.92	15.13	3.18	2.48	0.91	14.90	
	4	15	1.15	1.15	0.25	1.11	1.44	1.44	0.31	1.54	1.72	1.72	0.37	2.44	2.00	2.00	0.43	3.68	2.28	2.28	0.49	5.01	
		17	1.44	1.15	0.31	1.53	1.44	1.42	0.31	1.53	1.72	1.72	0.37	2.46	2.00	2.00	0.43	3.70	2.29	2.29	0.49	5.04	
		19	-	-	-	-	2.28	1.42	0.49	5.01	2.26	1.71	0.49	4.90	2.23	2.00	0.48	4.77	2.28	2.26	0.49	5.01	
		20	-	-	-	-	2.79	1.43	0.60	7.28	2.77	1.72	0.60	7.17	2.75	2.01	0.59	7.07	2.72	2.30	0.58	6.95	
	5	15	1.00	1.00	0.17	0.75	1.29	1.29	0.22	0.96	1.57	1.57	0.27	1.19	1.85	1.85	0.32	1.64	2.12	2.12	0.37	2.37	
		17	1.05	1.00	0.18	0.79	1.29	1.29	0.22	0.96	1.58	1.58	0.27	1.20	1.86	1.86	0.32	1.65	2.13	2.13	0.37	2.38	
		19	-	-	-	-	1.89	1.27	0.33	1.73	1.87	1.57	0.32	1.68	1.87	1.86	0.32	1.67	2.13	2.13	0.37	2.40	
		20	-	-	-	-	2.33	1.25	0.40	3.05	2.31	1.55	0.40	2.98	2.29	1.84	0.39	2.90	2.26	2.13	0.39	2.81	
	6	15	0.85	0.85	0.12	0.52	1.13	1.13	0.16	0.69	1.42	1.42	0.20	0.87	1.70	1.70	0.24	1.04	1.98	1.98	0.28	1.29	
		17	0.85	0.85	0.12	0.52	1.14	1.14	0.16	0.70	1.42	1.42	0.20	0.87	1.71	1.71	0.24	1.05	1.99	1.99	0.29	1.29	
		19	-	-	-	-	1.50	1.13	0.21	0.92	1.48	1.42	0.21	0.91	1.71	1.71	0.25	1.05	1.99	1.99	0.29	1.30	
		20	-	-	-	-	1.96	1.12	0.28	1.26	1.94	1.42	0.28	1.24	1.92	1.71	0.28	1.21	1.98	1.95	0.28	1.28	

Continue:

MKC-V300R-B																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°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	
11	3	15	1.01	1.01	0.29	1.32	1.30	1.30	0.37	2.47	1.59	1.59	0.45	4.19	1.88	1.88	0.54	5.92	2.17	2.17	0.62	7.54	
		17	1.09	1.01	0.31	1.53	1.30	1.30	0.37	2.49	1.59	1.59	0.45	4.21	1.88	1.88	0.54	5.94	2.17	2.17	0.62	7.57	
		19	-	-	-	-	1.97	1.30	0.56	6.43	1.95	1.60	0.56	6.30	1.93	1.89	0.55	6.19	2.18	2.18	0.62	7.60	
		20	-	-	-	-	2.48	1.31	0.71	9.48	2.46	1.60	0.70	9.33	2.43	1.90	0.69	9.17	2.41	2.18	0.69	8.99	
	4	15	0.86	0.86	0.18	0.77	1.15	1.15	0.25	1.04	1.44	1.44	0.31	1.52	1.71	1.71	0.37	2.45	1.99	1.99	0.43	3.67	
		17	0.86	0.86	0.18	0.77	1.15	1.15	0.25	1.04	1.44	1.44	0.31	1.53	1.72	1.72	0.37	2.46	2.00	2.00	0.43	3.69	
		19	-	-	-	-	1.53	1.14	0.33	1.81	1.52	1.44	0.32	1.76	1.72	1.72	0.37	2.48	2.00	2.00	0.43	3.71	
		20	-	-	-	-	1.98	1.13	0.42	3.63	1.96	1.42	0.42	3.53	1.94	1.72	0.42	3.42	1.99	1.96	0.43	3.66	
	5	15	0.71	0.71	0.12	0.50	1.00	1.00	0.17	0.71	1.29	1.29	0.22	0.91	1.57	1.57	0.27	1.16	1.85	1.85	0.32	1.69	
		17	0.71	0.71	0.12	0.51	1.00	1.00	0.17	0.71	1.29	1.29	0.22	0.92	1.58	1.58	0.27	1.17	1.85	1.85	0.32	1.70	
		19	-	-	-	-	1.14	1.00	0.20	0.81	1.29	1.29	0.22	0.92	1.58	1.58	0.27	1.17	1.86	1.86	0.32	1.71	
		20	-	-	-	-	1.60	0.99	0.27	1.20	1.58	1.29	0.27	1.17	1.58	1.57	0.27	1.17	1.86	1.86	0.32	1.71	
	6	15	0.56	0.56	0.08	0.33	0.85	0.85	0.12	0.49	1.14	1.14	0.16	0.66	1.42	1.42	0.20	0.82	1.70	1.70	0.24	1.00	
		17	0.56	0.56	0.08	0.33	0.85	0.85	0.12	0.49	1.14	1.14	0.16	0.66	1.42	1.42	0.20	0.83	1.71	1.71	0.24	1.00	
		19	-	-	-	-	0.84	0.81	0.12	0.49	1.14	1.14	0.16	0.66	1.43	1.43	0.20	0.83	1.71	1.71	0.25	1.00	
		20	-	-	-	-	1.16	0.84	0.17	0.68	1.17	1.14	0.17	0.68	1.43	1.43	0.20	0.83	1.71	1.71	0.25	1.00	
13	3	15	0.72	0.72	0.21	0.84	1.01	1.01	0.29	1.35	1.30	1.30	0.37	2.62	1.59	1.59	0.46	4.33	1.88	1.88	0.54	5.89	
		17	0.73	0.73	0.21	0.84	1.02	1.02	0.29	1.36	1.30	1.30	0.37	2.63	1.59	1.59	0.46	4.35	1.88	1.88	0.54	5.91	
		19	-	-	-	-	1.16	1.01	0.33	1.95	1.30	1.29	0.37	2.63	1.59	1.59	0.46	4.37	1.89	1.89	0.54	5.93	
		20	-	-	-	-	1.64	1.00	0.47	4.64	1.62	1.30	0.46	4.51	1.61	1.60	0.46	4.47	1.89	1.89	0.54	5.95	
	4	15	0.57	0.57	0.12	0.49	0.86	0.86	0.19	0.74	1.15	1.15	0.25	1.00	1.43	1.43	0.31	1.59	1.71	1.71	0.37	2.57	
		17	0.57	0.57	0.12	0.49	0.86	0.86	0.19	0.74	1.15	1.15	0.25	1.00	1.43	1.43	0.31	1.59	1.71	1.71	0.37	2.59	
		19	-	-	-	-	0.85	0.81	0.18	0.73	1.15	1.15	0.25	1.00	1.44	1.44	0.31	1.60	1.72	1.72	0.37	2.60	
		20	-	-	-	-	1.21	0.86	0.26	1.07	1.20	1.16	0.26	1.07	1.44	1.44	0.31	1.61	1.72	1.72	0.37	2.61	
	5	15	0.42	0.42	0.07	0.28	0.71	0.71	0.12	0.48	1.00	1.00	0.17	0.67	1.28	1.28	0.22	0.86	1.57	1.57	0.27	1.14	
		17	0.42	0.42	0.07	0.28	0.71	0.71	0.12	0.48	1.00	1.00	0.17	0.67	1.29	1.29	0.22	0.86	1.57	1.57	0.27	1.15	
		19	-	-	-	-	0.71	0.71	0.12	0.48	1.00	1.00	0.17	0.67	1.29	1.29	0.22	0.86	1.57	1.57	0.27	1.15	
		20	-	-	-	-	0.78	0.71	0.13	0.52	1.00	1.00	0.17	0.67	1.29	1.29	0.22	0.87	1.57	1.57	0.27	1.15	
	6	15	0.28	0.28	0.04	0.15	0.56	0.56	0.08	0.31	0.85	0.85	0.12	0.47	1.13	1.13	0.16	0.62	1.42	1.42	0.20	0.78	
		17	0.28	0.28	0.04	0.15	0.56	0.56	0.08	0.31	0.85	0.85	0.12	0.47	1.14	1.14	0.16	0.62	1.42	1.42	0.20	0.78	
		19	-	-	-	-	0.57	0.57	0.08	0.31	0.85	0.85	0.12	0.47	1.14	1.14	0.16	0.63	1.42	1.42	0.20	0.78	
		20	-	-	-	-	0.57	0.55	0.08	0.31	0.85	0.85	0.12	0.47	1.14	1.14	0.16	0.63	1.42	1.42	0.20	0.78	
15	3	15	0.43	0.43	0.12	0.47	0.72	0.72	0.21	0.79	1.01	1.01	0.29	1.35	1.29	1.29	0.37	2.63	1.58	1.58	0.45	4.26	
		17	0.43	0.43	0.12	0.47	0.72	0.72	0.21	0.79	1.01	1.01	0.29	1.35	1.29	1.29	0.37	2.65	1.58	1.58	0.45	4.27	
		19	-	-	-	-	0.72	0.72	0.21	0.79	1.01	1.01	0.29	1.36	1.30	1.30	0.37	2.66	1.59	1.59	0.45	4.29	
		20	-	-	-	-	0.81	0.72	0.23	0.89	1.01	1.01	0.29	1.36	1.30	1.30	0.37	2.67	1.59	1.59	0.45	4.30	
	4	15	0.28	0.28	0.06	0.23	0.57	0.57	0.12	0.46	0.86	0.86	0.18	0.70	1.15	1.15	0.25	0.96	1.43	1.43	0.31	1.61	
		17	0.28	0.28	0.06	0.23	0.57	0.57	0.12	0.46	0.86	0.86	0.18	0.70	1.15	1.15	0.25	0.97	1.43	1.43	0.31	1.62	
		19	-	-	-	-	0.57	0.57	0.12	0.46	0.86	0.86	0.18	0.70	1.15	1.15	0.25	0.97	1.43	1.43	0.31	1.63	
		20	-	-	-	-	0.57	0.56	0.12	0.46	0.86	0.86	0.19	0.70	1.15	1.15	0.25	0.97	1.43	1.43	0.31	1.63	
	5	15	0.15	0.15	0.03	0.09	0.43	0.43	0.07	0.27	0.71	0.71	0.12	0.46	1.00	1.00	0.17	0.64	1.28	1.28	0.22	0.82	
		17	0.15	0.15	0.03	0.09	0.43	0.43	0.07	0.27	0.71	0.71	0.12	0.46	1.00	1.00	0.17	0.64	1.29	1.29	0.22	0.83	
		19	-	-	-	-	0.43	0.43	0.07	0.27	0.72	0.72	0.12	0.46	1.00	1.00	0.17	0.64	1.29	1.29	0.22	0.83	
		20	-	-	-	-	0.43	0.43	0.07	0.27	0.72	0.72	0.12	0.46	1.00	1.00	0.17	0.64	1.29	1.29	0.22	0.83	
	6	15	-	-	-	-	0.28	0.28	0.04	0.15	0.57	0.57	0.08	0.30	0.85	0.85	0.12	0.45	1.13	1.13	0.16	0.59	
		17	-	-	-	-	0.28	0.28	0.04	0.15	0.57	0.57	0.08	0.30	0.85	0.85	0.12	0.45	1.14	1.14	0.16	0.60	
		19	-	-	-	-	0.28	0.28	0.04	0.15	0.57	0.57	0.08	0.30	0.85	0.85	0.12	0.45	1.14	1.14	0.16	0.60	
		20	-	-	-	-	0.28	0.28	0.04	0.15	0.57	0.57	0.08	0.30	0.86	0.86	0.12	0.45	1.14	1.14	0.16	0.60	

MKC-V400R-B																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°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	3.47	2.71	0.99	29.17	3.44	3.10	0.98	28.77	3.48	3.42	0.99	29.33	3.87	3.87	1.11	35.30	4.25	4.25	1.22	41.70	
		17	4.66	2.73	1.34	49.18	4.62	3.12	1.33	48.48	4.59	3.51	1.32	47.79	4.55	3.89	1.31	47.15	4.51	4.27	1.30	46.53	
		19	-	-	-	-	5.89	3.13	1.70	73.92	5.84	3.52	1.69	72.87	5.80	3.91	1.67	71.87	5.74	4.28	1.65	69.76	
		20	-	-	-	-	6.56	3.14	1.90	89.12	6.51	3.53	1.88	88.11	6.45	3.91	1.85	85.56	6.40	4.29	1.84	84.35	
	4	15	3.02	2.50	0.65	14.01	2.99	2.90	0.64	13.84	3.29	3.29	0.71	16.37	3.67	3.67	0.79	19.74	4.04	4.04	0.87	23.06	
		17	4.20	2.51	0.90	24.55	4.16	2.91	0.89	24.20	4.13	3.30	0.88	23.86	4.09	3.68	0.88	23.52	4.07	4.07	0.87	23.32	
		19	-	-	-	-	5.44	2.93	1.17	38.69	5.39	3.31	1.16	37.71	5.34	3.70	1.15	37.18	5.30	4.08	1.14	36.68	
		20	-	-	-	-	6.11	2.93	1.31	46.84	6.06	3.32	1.30	46.17	7.94	-38.87	1.58	64.90	5.96	4.08	1.28	44.90	
	5	15	2.55	2.29	0.44	5.95	2.69	2.68	0.46	6.84	3.08	3.08	0.53	9.57	3.47	3.47	0.59	12.04	3.84	3.84	0.66	14.38	
		17	3.73	2.30	0.64	13.67	3.70	2.70	0.63	13.47	3.67	3.09	0.63	13.28	3.64	3.47	0.62	13.12	3.85	3.85	0.66	14.45	
		19	-	-	-	-	4.96	2.71	0.85	22.20	4.92	3.10	0.84	21.87	4.88	3.49	0.84	21.57	4.84	3.87	0.83	21.28	
		20	-	-	-	-	5.64	2.72	0.97	27.62	5.59	3.11	0.96	27.23	5.55	3.50	0.95	26.85	5.50	3.88	0.94	26.48	
	6	15	2.13	2.13	0.30	2.44	2.48	2.48	0.36	3.44	2.88	2.88	0.41	5.14	3.26	3.26	0.47	7.19	3.64	3.64	0.52	9.36	
		17	3.25	2.09	0.46	7.11	3.22	2.49	0.46	6.96	3.19	2.88	0.46	6.82	3.26	3.19	0.47	7.17	3.65	3.65	0.52	9.41	
		19	-	-	-	-	4.49	2.51	0.64	13.72	4.45	2.90	0.64	13.53	4.41	3.29	0.63	13.34	4.38	3.67	0.63	13.16	
		20	-	-	-	-	5.15	2.51	0.74	17.23	5.11	2.90	0.73	16.98	5.07	3.29	0.72	16.75	5.03	3.67	0.72	16.52	
7	3	15	2.57	2.30	0.74	17.48	2.69	2.68	0.78	18.95	3.08	3.08	0.88	23.57	3.47	3.47	1.00	29.28	3.85	3.85	1.11	34.98	
		17	3.74	2.31	1.08	33.32	3.71	2.71	1.07	32.86	3.68	3.10	1.06	32.40	3.65	3.48	1.06	31.98	3.86	3.86	1.12	35.14	
		19	-	-	-	-	4.97	2.71	1.43	53.76	4.93	3.11	1.42	53.00	4.89	3.49	1.41	52.26	4.86	3.87	1.40	51.94	
		20	-	-	-	-	5.65	2.72	1.63	67.64	5.60	3.12	1.62	66.67	5.56	3.50	1.60	65.64	5.51	3.88	1.59	64.39	
	4	15	2.09	2.08	0.45	6.62	2.48	2.48	0.53	9.90	2.88	2.88	0.62	12.89	3.26	3.26	0.71	15.96	3.64	3.64	0.78	19.06	
		17	3.26	2.10	0.70	15.89	3.23	2.49	0.70	15.66	3.20	2.89	0.69	15.46	3.26	3.19	0.70	15.92	3.65	3.65	0.79	19.15	
		19	-	-	-	-	4.49	2.51	0.97	27.26	4.45	2.90	0.96	26.87	4.42	3.29	0.95	26.49	4.38	3.67	0.94	26.13	
		20	-	-	-	-	5.17	2.52	1.12	35.06	5.13	2.91	1.11	34.55	5.08	3.30	1.10	34.06	5.04	3.68	1.09	33.60	
	5	15	1.87	1.87	0.32	2.74	2.28	2.28	0.39	4.59	2.67	2.67	0.46	7.02	3.06	3.06	0.53	9.55	3.44	3.44	0.59	11.77	
		17	2.75	1.88	0.47	7.56	2.73	2.28	0.47	7.41	2.72	2.69	0.47	7.34	3.07	3.07	0.53	9.60	3.45	3.45	0.59	11.82	
		19	-	-	-	-	4.00	2.30	0.69	15.19	3.96	2.69	0.68	14.96	3.94	2.97	0.60	23.85	3.90	3.46	0.67	14.54	
		20	-	-	-	-	4.66	2.30	0.80	19.73	4.63	2.70	0.80	19.44	4.59	3.09	0.79	19.16	4.55	3.47	0.78	18.90	
	6	15	1.67	1.67	0.24	1.75	2.07	2.07	0.30	2.32	2.47	2.47	0.35	3.57	2.85	2.85	0.41	5.25	3.24	3.24	0.46	7.27	
		17	2.25	1.68	0.32	2.78	2.24	2.10	0.32	2.77	2.47	2.46	0.36	3.59	2.86	2.86	0.41	5.29	3.25	3.25	0.47	7.32	
		19	-	-	-	-	3.47	2.09	0.50	8.54	3.44	2.48	0.49	8.39	3.42	2.87	0.49	8.24	3.39	3.26	0.49	8.12	
		20	-	-	-	-	4.15	2.09	0.59	11.78	4.11	2.49	0.59	11.61	4.08	2.88	0.58	11.44	4.04	3.27	0.58	11.28	
9	3	15	1.88	1.88	0.54	9.99	2.28	2.28	0.65	13.88	2.67	2.67	0.77	18.20	3.06	3.06	0.88	22.97	3.45	3.45	1.00	28.51	
		17	2.76	1.89	0.79	19.20	2.73	2.29	0.78	18.93	2.72	2.69	0.78	18.79	3.07	3.07	0.88	23.07	3.46	3.46	1.00	28.64	
		19	-	-	-	-	3.99	2.30	1.15	36.32	3.96	2.69	1.14	35.79	3.93	3.08	1.13	35.27	3.90	3.46	1.12	34.80	
		20	-	-	-	-	4.68	2.31	1.36	48.32	4.64	2.70	1.34	47.61	4.60	3.09	1.33	46.93	4.56	3.48	1.32	46.25	
	4	15	1.67	1.67	0.36	3.77	2.07	2.07	0.44	6.60	2.46	2.46	0.53	9.67	2.86	2.86	0.61	12.41	3.24	3.24	0.70	15.39	
		17	2.24	1.67	0.48	7.95	2.22	2.07	0.48	7.83	2.47	2.47	0.53	9.71	2.86	2.86	0.62	12.47	3.25	3.25	0.70	15.46	
		19	-	-	-	-	3.48	2.09	0.75	17.47	3.45	2.49	0.74	17.20	3.43	2.88	0.74	16.96	3.40	3.26	0.73	16.77	
		20	-	-	-	-	4.16	2.10	0.90	23.80	4.13	2.50	0.89	23.46	4.09	2.89	0.89	23.12	4.05	3.27	0.87	22.65	
	5	15	1.46	1.46	0.25	1.78	1.87	1.87	0.32	2.78	2.26	2.26	0.39	4.70	2.65	2.65	0.46	7.09	3.04	3.04	0.52	9.36	
		17	1.72	1.47	0.30	2.29	1.87	1.84	0.32	2.81	2.27	2.27	0.39	4.73	2.66	2.66	0.46	7.13	3.05	3.05	0.52	9.41	
		19	-	-	-	-	2.95	1.88	0.51	8.88	2.92	2.28	0.50	8.74	2.90	2.67	0.50	8.61	3.05	3.01	0.53	9.44	
		20	-	-	-	-	3.62	1.89	0.62	12.63	3.59	2.28	0.62	12.44	3.56	2.68	0.61	12.26	3.53	3.06	0.61	12.10	
	6	15	1.26	1.26	0.18	1.24	1.66	1.66	0.24	1.64	2.06	2.06	0.30	2.29	2.45	2.45	0.35	3.62	2.83	2.83	0.41	5.37	
		17	1.29	1.26	0.18	1.27	1.66	1.66	0.24	1.65	2.06	2.06	0.30	2.30	2.46	2.46	0.35	3.64	2.84	2.84	0.41	5.41	
		19	-	-	-	-	2.40	1.67	0.34	3.44	2.39	2.07	0.34	3.37	2.47	2.42	0.35	3.70	2.85	2.85	0.41	5.45	
		20	-	-	-	-	3.06	1.68	0.44	6.54	3.04	2.07	0.44	6.41	3.01	2.47	0.43	6.28	3.00	2.86	0.43	6.20	

Continue:

MKC-V400R-B																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°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
11	3	15	1.46	1.46	0.42	5.67	1.86	1.86	0.53	9.61	2.26	2.26	0.64	13.34	2.65	2.65	0.76	17.51	3.04	3.04	0.87	22.10
		17	1.71	1.47	0.49	8.21	1.86	1.82	0.53	9.62	2.27	2.27	0.65	13.40	2.66	2.66	0.76	17.59	3.05	3.05	0.87	22.21
		19	-	-	-	-	2.95	1.88	0.84	21.05	2.93	2.28	0.84	20.74	2.91	2.67	0.83	20.47	3.05	3.02	0.87	22.28
		20	-	-	-	-	3.62	1.89	1.03	29.89	3.59	2.29	1.03	29.44	3.56	2.68	1.02	29.02	3.53	3.06	1.01	28.62
	4	15	1.25	1.25	0.27	1.90	1.66	1.66	0.35	3.74	2.06	2.06	0.44	6.59	2.45	2.45	0.52	9.34	2.84	2.84	0.61	11.98
		17	1.26	1.19	0.27	1.90	1.66	1.66	0.36	3.77	2.06	2.06	0.44	6.63	2.46	2.46	0.53	9.38	2.84	2.84	0.61	12.03
		19	-	-	-	-	2.40	1.67	0.51	9.03	2.38	2.07	0.51	8.90	2.44	2.36	0.52	9.31	2.85	2.85	0.61	12.09
		20	-	-	-	-	3.07	1.68	0.66	13.71	3.04	2.08	0.65	13.50	3.02	2.47	0.65	13.32	3.00	2.87	0.64	13.19
	5	15	1.05	1.05	0.18	1.20	1.45	1.45	0.25	1.69	1.85	1.85	0.32	2.84	2.24	2.24	0.39	4.80	2.63	2.63	0.45	7.09
		17	1.05	1.05	0.18	1.21	1.46	1.46	0.25	1.70	1.86	1.86	0.32	2.86	2.25	2.25	0.39	4.83	2.64	2.64	0.45	7.13
		19	-	-	-	-	1.84	1.46	0.32	2.79	1.89	1.86	0.33	3.01	2.26	2.26	0.39	4.87	2.65	2.65	0.46	7.18
		20	-	-	-	-	2.50	1.47	0.43	6.29	2.47	1.87	0.43	6.16	2.46	2.27	0.42	6.07	2.65	2.62	0.46	7.19
	6	15	0.84	0.84	0.12	0.79	1.25	1.25	0.18	1.17	1.65	1.65	0.24	1.55	2.04	2.04	0.29	2.31	2.43	2.43	0.35	3.69
		17	0.84	0.84	0.12	0.79	1.25	1.25	0.18	1.17	1.65	1.65	0.24	1.56	2.05	2.05	0.29	2.32	2.44	2.44	0.35	3.72
		19	-	-	-	-	1.33	1.32	0.19	1.25	1.66	1.65	0.24	1.56	2.05	2.05	0.29	2.34	2.44	2.44	0.35	3.75
		20	-	-	-	-	1.92	1.26	0.27	1.98	1.91	1.68	0.27	1.97	2.08	2.06	0.30	2.42	2.45	2.45	0.35	3.77
13	3	15	1.05	1.05	0.30	2.42	1.45	1.45	0.42	5.84	1.85	1.85	0.53	9.47	2.24	2.24	0.64	12.95	2.64	2.64	0.76	17.28
		17	1.05	1.05	0.30	2.44	1.45	1.45	0.42	5.88	1.86	1.86	0.53	9.51	2.25	2.25	0.64	13.01	2.64	2.64	0.76	17.36
		19	-	-	-	-	1.83	1.46	0.53	9.32	1.86	1.81	0.53	9.55	2.25	2.25	0.64	13.07	2.65	2.65	0.76	17.44
		20	-	-	-	-	2.50	1.47	0.72	15.83	2.48	1.87	0.71	15.60	2.47	2.27	0.71	15.44	2.65	2.62	0.76	17.47
	4	15	0.84	0.84	0.18	1.17	1.25	1.25	0.27	1.87	1.65	1.65	0.35	3.88	2.04	2.04	0.44	6.58	2.43	2.43	0.52	9.09
		17	0.84	0.84	0.18	1.17	1.25	1.25	0.27	1.88	1.65	1.65	0.36	3.91	2.04	2.04	0.44	6.62	2.44	2.44	0.52	9.13
		19	-	-	-	-	1.30	1.28	0.28	2.05	1.65	1.65	0.36	3.94	2.05	2.05	0.44	6.67	2.44	2.44	0.52	9.17
		20	-	-	-	-	1.90	1.25	0.41	5.55	1.88	1.66	0.40	5.45	2.04	1.98	0.44	6.62	2.45	2.45	0.52	9.20
	5	15	0.63	0.63	0.11	0.68	1.04	1.04	0.18	1.13	1.44	1.44	0.25	1.62	1.84	1.84	0.32	2.87	2.23	2.23	0.38	4.82
		17	0.63	0.63	0.11	0.69	1.04	1.04	0.18	1.13	1.45	1.45	0.25	1.62	1.84	1.84	0.32	2.89	2.23	2.23	0.38	4.85
		19	-	-	-	-	1.05	1.03	0.18	1.14	1.45	1.45	0.25	1.63	1.85	1.85	0.32	2.91	2.24	2.24	0.38	4.89
		20	-	-	-	-	1.31	1.06	0.22	1.42	1.47	1.43	0.25	1.67	1.85	1.85	0.32	2.92	2.24	2.24	0.39	4.91
	6	15	0.42	0.42	0.06	0.37	0.83	0.83	0.12	0.74	1.24	1.24	0.18	1.10	1.64	1.64	0.23	1.48	2.03	2.03	0.29	2.32
		17	0.42	0.42	0.06	0.37	0.84	0.84	0.12	0.74	1.24	1.24	0.18	1.10	1.64	1.64	0.23	1.48	2.03	2.03	0.29	2.34
		19	-	-	-	-	0.84	0.84	0.12	0.74	1.25	1.25	0.18	1.11	1.65	1.65	0.24	1.49	2.04	2.04	0.29	2.36
		20	-	-	-	-	0.87	0.84	0.12	0.77	1.25	1.24	0.18	1.11	1.65	1.65	0.24	1.49	2.04	2.04	0.29	2.37
15	3	15	0.63	0.63	0.18	1.13	1.04	1.04	0.30	2.42	1.44	1.44	0.41	5.78	1.84	1.84	0.52	9.11	2.23	2.23	0.64	12.65
		17	0.63	0.63	0.18	1.13	1.04	1.04	0.30	2.44	1.44	1.44	0.41	5.81	1.84	1.84	0.53	9.15	2.24	2.24	0.64	12.71
		19	-	-	-	-	1.04	1.04	0.30	2.46	1.45	1.45	0.41	5.85	1.85	1.85	0.53	9.19	2.24	2.24	0.64	12.77
		20	-	-	-	-	1.29	1.05	0.37	4.42	1.43	1.33	0.41	5.71	1.85	1.85	0.53	9.22	2.25	2.25	0.64	12.80
	4	15	0.42	0.42	0.09	0.55	-	-	-	-	1.24	1.24	0.26	1.84	1.63	1.63	0.35	3.89	2.03	2.03	0.43	6.53
		17	0.42	0.42	0.09	0.55	-	-	-	-	1.24	1.24	0.27	1.85	1.64	1.64	0.35	3.92	2.03	2.03	0.44	6.57
		19	-	-	-	-	0.84	0.84	0.18	1.10	1.24	1.24	0.27	1.87	1.64	1.64	0.35	3.95	2.04	2.04	0.44	6.61
		20	-	-	-	-	0.84	0.76	0.18	1.10	1.25	1.25	0.27	1.87	1.65	1.65	0.35	3.97	2.04	2.04	0.44	6.63
	5	15	0.21	0.21	0.04	0.22	0.62	0.62	0.11	0.65	1.03	1.03	0.18	1.07	1.43	1.43	0.25	1.59	1.83	1.83	0.31	2.96
		17	0.21	0.21	0.04	0.22	0.63	0.63	0.11	0.65	1.03	1.03	0.18	1.08	1.44	1.44	0.25	1.60	1.83	1.83	0.32	2.98
		19	-	-	-	-	0.63	0.63	0.11	0.65	1.04	1.04	0.18	1.08	1.44	1.44	0.25	1.61	1.84	1.84	0.32	3.00
		20	-	-	-	-	0.63	0.63	0.11	0.65	1.04	1.04	0.18	1.08	1.44	1.44	0.25	1.61	1.84	1.84	0.32	3.01
	6	15	-	-	-	-	0.42	0.42	0.06	0.35	0.83	0.83	0.12	0.70	1.23	1.23	0.18	1.04	1.63	1.63	0.23	1.43
		17	-	-	-	-	0.42	0.42	0.06	0.35	0.83	0.83	0.12	0.70	1.23	1.23	0.18	1.05	1.63	1.63	0.23	1.44
		19	-	-	-	-	0.42	0.42	0.06	0.35	0.83	0.83	0.12	0.70	1.24	1.24	0.18	1.05	1.63	1.63	0.23	1.45
		20	-	-	-	-	0.42	0.42	0.06	0.36	0.83	0.83	0.12	0.71	1.24	1.24	0.18	1.05	1.64	1.64	0.24	1.45

MKC-V600R-B																						
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																			
			21				23				25				27				29			
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD
°C	°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	4.32	3.42	1.24	42.81	4.28	3.93	1.23	42.11	4.45	4.44	1.28	45.24	4.95	4.95	1.42	54.17	5.46	5.46	1.58	64.96
		17	5.86	3.43	1.69	73.61	5.83	3.95	1.68	72.77	5.78	4.46	1.66	70.77	5.73	4.96	1.64	69.84	5.69	5.46	1.63	68.91
		19	-	-	-	-	7.47	3.96	2.16	112.53	7.42	4.47	2.15	111.32	7.37	4.98	2.13	109.66	7.33	5.48	2.12	108.89
		20	-	-	-	-	8.33	3.96	2.40	134.71	8.27	4.47	2.38	133.27	8.23	4.98	2.37	131.89	8.17	5.49	2.36	130.44
	4	15	3.67	3.12	0.79	19.84	3.69	3.65	0.79	19.98	4.15	4.15	0.89	24.27	4.67	4.67	1.00	29.60	5.17	5.17	1.11	35.31
		17	5.21	3.13	1.12	35.82	5.18	3.65	1.11	35.41	5.14	4.17	1.10	34.94	5.09	4.67	1.09	34.41	5.18	5.18	1.11	35.46
		19	-	-	-	-	6.84	3.67	1.48	57.79	6.79	4.19	1.47	57.14	6.74	4.69	1.45	56.12	6.70	5.20	1.44	55.50
		20	-	-	-	-	7.70	3.67	1.65	70.28	7.65	4.19	1.64	69.49	7.60	4.70	1.63	68.72	7.55	5.20	1.62	67.95
	5	15	2.97	2.81	0.51	8.72	3.34	3.34	0.57	11.29	3.86	3.86	0.66	14.60	4.38	4.38	0.75	18.22	4.88	4.88	0.84	21.75
		17	4.56	2.84	0.78	19.46	4.52	3.37	0.78	19.20	4.48	3.88	0.77	18.89	4.48	4.39	0.77	18.94	4.89	4.89	0.84	21.82
		19	-	-	-	-	6.18	3.38	1.07	32.78	6.14	3.90	1.06	32.40	6.10	4.41	1.05	32.03	6.05	4.91	1.04	31.63
		20	-	-	-	-	7.05	3.38	1.21	40.85	7.01	3.91	1.21	40.70	6.96	4.42	1.20	40.23	6.92	4.92	1.19	39.78
	6	15	2.59	2.58	0.37	3.79	3.06	3.06	0.44	5.98	3.57	3.57	0.51	8.84	4.09	4.09	0.59	11.76	4.60	4.60	0.66	14.43
		17	3.82	2.53	0.55	10.30	3.78	3.05	0.54	10.07	3.76	3.57	0.54	9.97	4.09	4.09	0.59	11.80	4.61	4.61	0.66	14.47
		19	-	-	-	-	5.48	3.08	0.78	19.30	5.44	3.60	0.78	19.06	5.40	4.11	0.77	18.80	5.35	4.62	0.76	18.51
		20	-	-	-	-	6.36	3.09	0.91	24.90	6.32	3.61	0.90	24.61	6.28	4.13	0.90	24.32	6.23	4.63	0.89	24.04
7	3	15	3.14	2.89	0.90	24.38	3.41	3.41	0.98	28.17	3.93	3.93	1.14	36.41	4.44	4.44	1.27	44.32	4.94	4.94	1.42	53.41
		17	4.68	2.90	1.35	48.67	4.65	3.42	1.34	48.01	4.60	3.93	1.32	47.25	4.58	4.44	1.32	46.84	4.95	4.95	1.42	53.57
		19	-	-	-	-	6.31	3.44	1.83	82.84	6.25	3.95	1.80	80.49	6.21	4.46	1.79	79.56	6.17	4.96	1.78	78.60
		20	-	-	-	-	7.16	3.44	2.07	102.34	7.13	3.96	2.07	102.39	7.08	4.47	2.06	101.60	7.04	4.98	2.04	100.42
	4	15	2.59	2.57	0.56	10.71	3.12	3.12	0.67	14.88	3.64	3.64	0.78	19.12	4.15	4.15	0.89	23.97	4.67	4.67	1.01	29.54
		17	4.00	2.61	0.86	22.49	3.96	3.13	0.85	22.10	3.93	3.65	0.84	21.80	4.16	4.15	0.89	24.02	4.67	4.67	1.01	29.63
		19	-	-	-	-	5.63	3.15	1.22	40.87	5.60	3.67	1.21	40.38	5.54	4.17	1.19	39.32	5.49	4.68	1.18	38.74
		20	-	-	-	-	6.50	3.15	1.41	52.40	6.46	3.67	1.40	51.79	6.42	4.18	1.39	51.19	6.38	4.69	1.38	50.61
	5	15	2.32	2.32	0.40	4.73	2.82	2.82	0.48	7.95	3.34	3.34	0.58	11.28	3.86	3.86	0.66	14.43	4.38	4.38	0.75	17.81
		17	3.26	2.30	0.56	10.75	3.22	2.83	0.55	10.54	3.36	3.36	0.58	11.36	3.87	3.87	0.67	14.48	4.38	4.38	0.75	17.86
		19	-	-	-	-	4.92	2.85	0.85	21.76	4.88	3.37	0.84	21.48	5.09	3.99	0.87	38.22	4.80	4.39	0.83	20.85
		20	-	-	-	-	5.81	2.87	1.00	29.16	5.77	3.39	1.00	28.81	5.73	3.90	0.99	28.46	5.69	4.41	0.98	28.08
	6	15	2.08	2.08	0.30	2.35	2.57	2.57	0.37	3.92	3.06	3.06	0.44	6.21	3.57	3.57	0.51	9.01	4.09	4.09	0.59	11.58
		17	2.59	2.04	0.37	4.00	2.66	2.57	0.38	4.29	3.06	3.06	0.44	6.24	3.58	3.58	0.51	9.04	4.10	4.10	0.59	11.62
		19	-	-	-	-	4.17	2.56	0.60	11.97	4.13	3.08	0.59	11.76	4.09	3.59	0.59	11.57	4.17	4.11	0.60	11.96
		20	-	-	-	-	5.07	2.57	0.73	16.71	5.03	3.09	0.72	16.49	4.99	3.61	0.72	16.24	4.94	4.12	0.71	15.98
9	3	15	2.36	2.36	0.68	14.84	2.89	2.89	0.83	20.85	3.41	3.41	0.99	28.12	3.92	3.92	1.13	35.25	4.43	4.43	1.28	44.16
		17	3.43	2.37	0.99	28.44	3.40	2.90	0.98	27.90	3.44	3.43	1.00	28.55	3.92	3.92	1.13	35.36	4.44	4.44	1.29	44.30
		19	-	-	-	-	5.04	2.90	1.45	54.53	5.00	3.42	1.44	53.84	4.96	3.93	1.43	53.02	4.91	4.44	1.41	52.19
		20	-	-	-	-	5.92	2.91	1.72	73.30	5.89	3.43	1.71	72.41	5.84	3.94	1.69	71.15	5.79	4.45	1.67	69.44
	4	15	2.06	2.06	0.44	6.49	2.59	2.59	0.56	10.59	3.12	3.12	0.67	14.50	3.64	3.64	0.79	18.94	4.15	4.15	0.90	23.83
		17	2.66	2.07	0.57	11.08	2.68	2.60	0.58	11.22	3.12	3.12	0.67	14.54	3.65	3.65	0.79	18.99	4.16	4.16	0.90	23.90
		19	-	-	-	-	4.34	2.62	0.94	25.70	4.30	3.14	0.93	25.29	4.26	3.66	0.92	24.85	4.28	4.17	0.93	25.06
		20	-	-	-	-	5.20	2.62	1.12	34.77	5.16	3.14	1.11	34.33	5.12	3.66	1.10	33.87	5.07	4.17	1.09	33.31
	5	15	1.82	1.82	0.31	2.59	2.31	2.31	0.40	4.92	2.82	2.82	0.49	8.12	3.35	3.35	0.58	11.14	3.87	3.87	0.67	14.30
		17	2.00	1.81	0.34	3.30	2.31	2.31	0.40	4.93	2.83	2.83	0.49	8.16	3.35	3.35	0.58	11.17	3.88	3.88	0.67	14.34
		19	-	-	-	-	3.56	2.32	0.61	12.34	3.52	2.84	0.61	12.09	3.53	3.37	0.61	12.16	3.88	3.87	0.67	14.38
		20	-	-	-	-	4.46	2.34	0.77	18.10	4.42	2.86	0.76	17.84	4.37	3.37	0.75	17.53	4.34	3.88	0.75	17.29
	6	15	1.57	1.57	0.22	1.59	2.08	2.08	0.30	2.33	2.56	2.56	0.37	4.02	3.06	3.06	0.44	6.44	3.58	3.58	0.51	9.04
		17	1.60	1.58	0.23	1.62	2.08	2.08	0.30	2.34	2.57	2.57	0.37	4.04	3.07	3.07	0.44	6.47	3.58	3.58	0.51	9.07
		19	-	-	-	-	2.76	2.03	0.40	4.95	2.77	2.56	0.40	4.99	3.07	3.06	0.44	6.49	3.59	3.59	0.51	9.10
		20	-	-	-	-	3.64	2.03	0.52	9.35	3.60	2.56	0.52	9.14	3.56	3.07	0.51	8.99	3.66	3.60	0.53	9.45

Continue:

MKC-V600R-B																							
EWT	ΔT	Indoor temp (W.B.)	Indoor temperature (D.B.)																				
			21				23				25				27				29				
			TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	TC	SC	WF	WPD	
°C	°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	
11	3	15	1.83	1.83	0.52	9.31	2.36	2.36	0.68	14.52	2.88	2.88	0.82	20.27	3.40	3.40	0.97	26.95	3.91	3.91	1.12	34.46	
		17	2.04	1.83	0.58	11.28	2.36	2.35	0.68	14.53	2.89	2.89	0.82	20.33	3.41	3.41	0.97	27.05	3.92	3.92	1.12	34.57	
		19	-	-	-	-	3.69	2.37	1.05	31.01	3.65	2.89	1.04	30.40	3.63	3.41	1.04	30.14	3.92	3.91	1.12	34.65	
		20	-	-	-	-	4.57	2.38	1.31	44.77	4.53	2.90	1.30	44.17	4.49	3.42	1.28	43.44	4.45	3.93	1.27	42.82	
	4	15	1.56	1.56	0.33	3.14	2.06	2.06	0.44	6.61	2.60	2.60	0.56	10.36	3.12	3.12	0.67	14.14	3.63	3.63	0.78	18.34	
		17	1.57	1.56	0.34	3.17	2.07	2.07	0.44	6.64	2.60	2.60	0.56	10.39	3.12	3.12	0.67	14.18	3.64	3.64	0.78	18.39	
		19	-	-	-	-	2.90	2.08	0.62	12.51	2.88	2.61	0.62	12.39	3.13	3.12	0.67	14.24	3.64	3.64	0.78	18.45	
		20	-	-	-	-	3.80	2.09	0.81	19.83	3.76	2.61	0.81	19.45	3.72	3.13	0.80	19.12	3.76	3.65	0.81	19.46	
	5	15	1.32	1.32	0.23	1.54	1.82	1.82	0.31	2.68	2.31	2.31	0.40	5.13	2.83	2.83	0.49	8.20	3.35	3.35	0.58	10.99	
		17	1.32	1.32	0.23	1.55	1.82	1.82	0.31	2.69	2.32	2.32	0.40	5.15	2.84	2.84	0.49	8.23	3.36	3.36	0.58	11.03	
		19	-	-	-	-	2.12	1.80	0.37	4.08	2.33	2.33	0.40	5.25	2.84	2.84	0.49	8.26	3.37	3.37	0.58	11.06	
		20	-	-	-	-	2.97	1.80	0.51	8.95	2.94	2.32	0.51	8.76	2.98	2.85	0.51	8.98	3.37	3.36	0.58	11.07	
	6	15	1.06	1.06	0.15	1.01	1.57	1.57	0.23	1.51	2.08	2.08	0.30	2.37	2.56	2.56	0.37	4.18	3.06	3.06	0.44	6.53	
		17	1.06	1.06	0.15	1.02	1.57	1.57	0.23	1.51	2.08	2.08	0.30	2.38	2.57	2.57	0.37	4.20	3.07	3.07	0.44	6.56	
		19	-	-	-	-	1.65	1.58	0.24	1.59	2.08	2.08	0.30	2.39	2.57	2.57	0.37	4.23	3.07	3.07	0.44	6.59	
		20	-	-	-	-	2.21	1.54	0.32	2.82	2.26	2.07	0.32	2.97	2.58	2.57	0.37	4.25	3.07	3.07	0.44	6.61	
13	3	15	1.30	1.30	0.37	4.38	1.83	1.83	0.53	9.33	2.35	2.35	0.67	14.13	2.88	2.88	0.83	20.20	3.39	3.39	0.97	26.60	
		17	1.30	1.30	0.37	4.40	1.83	1.83	0.53	9.36	2.36	2.36	0.67	14.17	2.89	2.89	0.83	20.26	3.40	3.40	0.97	26.66	
		19	-	-	-	-	2.21	1.83	0.63	12.68	2.37	2.36	0.68	14.28	2.89	2.89	0.83	20.33	3.41	3.41	0.98	26.74	
		20	-	-	-	-	3.12	1.85	0.90	23.18	3.08	2.37	0.89	22.67	3.08	2.90	0.89	22.67	3.41	3.39	0.98	26.76	
	4	15	1.06	1.06	0.23	1.50	1.56	1.56	0.34	3.30	2.06	2.06	0.44	6.73	2.59	2.59	0.56	10.19	3.11	3.11	0.67	13.90	
		17	1.06	1.06	0.23	1.50	1.56	1.56	0.34	3.32	2.07	2.07	0.44	6.76	2.60	2.60	0.56	10.23	3.12	3.12	0.67	13.94	
		19	-	-	-	-	1.59	1.57	0.34	3.46	2.07	2.07	0.44	6.79	2.61	2.61	0.56	10.26	3.13	3.13	0.67	13.99	
		20	-	-	-	-	2.24	1.55	0.48	7.91	2.25	2.08	0.48	7.98	2.60	2.59	0.56	10.26	3.13	3.13	0.67	14.01	
	5	15	0.80	0.80	0.14	0.88	1.31	1.31	0.23	1.46	1.81	1.81	0.31	2.72	2.31	2.31	0.40	5.22	2.83	2.83	0.49	8.06	
		17	0.80	0.80	0.14	0.88	1.31	1.31	0.23	1.46	1.82	1.82	0.31	2.73	2.31	2.31	0.40	5.24	2.84	2.84	0.49	8.09	
		19	-	-	-	-	1.32	1.31	0.23	1.46	1.82	1.82	0.31	2.75	2.32	2.32	0.40	5.27	2.84	2.84	0.49	8.11	
		20	-	-	-	-	1.54	1.30	0.26	1.82	1.83	1.83	0.31	2.80	2.32	2.32	0.40	5.28	2.84	2.84	0.49	8.13	
	6	15	0.54	0.54	0.08	0.49	1.06	1.06	0.15	0.96	1.57	1.57	0.22	1.43	2.07	2.07	0.30	2.41	2.56	2.56	0.37	4.28	
		17	0.54	0.54	0.08	0.49	1.06	1.06	0.15	0.96	1.57	1.57	0.23	1.43	2.07	2.07	0.30	2.42	2.56	2.56	0.37	4.30	
		19	-	-	-	-	1.06	1.06	0.15	0.96	1.58	1.58	0.23	1.44	2.08	2.08	0.30	2.44	2.57	2.57	0.37	4.33	
		20	-	-	-	-	1.09	1.07	0.16	0.99	1.58	1.57	0.23	1.44	2.08	2.08	0.30	2.44	2.57	2.57	0.37	4.34	
15	3	15	0.79	0.79	0.23	1.44	1.30	1.30	0.37	4.41	1.83	1.83	0.52	9.06	2.35	2.35	0.67	13.92	2.88	2.88	0.83	19.85	
		17	0.79	0.79	0.23	1.44	1.30	1.30	0.37	4.43	1.83	1.83	0.52	9.08	2.36	2.36	0.67	13.97	2.88	2.88	0.83	19.91	
		19	-	-	-	-	1.30	1.30	0.37	4.46	1.84	1.84	0.52	9.12	2.36	2.36	0.67	14.02	2.89	2.89	0.83	19.98	
		20	-	-	-	-	1.51	1.30	0.43	6.37	1.83	1.81	0.52	9.09	2.37	2.37	0.68	14.04	2.89	2.89	0.83	20.01	
	4	15	0.54	0.54	0.11	0.72	1.05	1.05	0.23	1.42	1.55	1.55	0.33	3.36	2.07	2.07	0.44	6.80	2.60	2.60	0.56	10.18	
		17	0.54	0.54	0.12	0.72	1.06	1.06	0.23	1.42	1.56	1.56	0.33	3.38	2.07	2.07	0.44	6.82	2.61	2.61	0.56	10.21	
		19	-	-	-	-	1.06	1.06	0.23	1.42	1.56	1.56	0.33	3.39	2.08	2.08	0.45	6.85	2.61	2.61	0.56	10.24	
		20	-	-	-	-	1.07	1.06	0.23	1.44	1.56	1.56	0.33	3.40	2.08	2.08	0.45	6.86	2.61	2.61	0.56	10.26	
	5	15	0.28	0.28	0.05	0.29	0.80	0.80	0.14	0.85	1.32	1.32	0.23	1.41	1.81	1.81	0.31	2.86	2.31	2.31	0.40	5.42	
		17	0.28	0.28	0.05	0.29	0.80	0.80	0.14	0.85	1.32	1.32	0.23	1.41	1.82	1.82	0.31	2.87	2.32	2.32	0.40	5.45	
		19	-	-	-	-	0.80	0.80	0.14	0.85	1.32	1.32	0.23	1.41	1.82	1.82	0.31	2.89	2.32	2.32	0.40	5.47	
		20	-	-	-	-	0.81	0.80	0.14	0.85	1.32	1.32	0.23	1.42	1.82	1.82	0.31	2.90	2.32	2.32	0.40	5.49	
	6	15	-	-	-	-	0.54	0.54	0.08	0.47	1.06	1.06	0.15	0.92	1.57	1.57	0.23	1.38	2.07	2.07	0.30	2.52	
		17	-	-	-	-	0.54	0.54	0.08	0.47	1.06	1.06	0.15	0.92	1.58	1.58	0.23	1.39	2.07	2.07	0.30	2.53	
		19	-	-	-	-	0.55	0.55	0.08	0.47	1.07	1.07	0.15	0.92	1.58	1.58	0.23	1.39	2.07	2.07	0.30	2.54	
		20	-	-	-	-	0.55	0.55	0.08	0.47	1.07	1.07	0.15	0.92	1.58	1.58	0.23	1.39	2.08	2.08	0.30	2.55	

10.2 Heating capacity tables

Remark:

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

MKC-V300R-B													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	8	2.80	0.30	1.91	2.43	0.26	1.37	2.08	0.22	0.89	1.72	0.19	0.55
	10	2.45	0.21	0.74	2.09	0.18	0.52	1.73	0.15	0.42	1.38	0.12	0.33
	12	2.10	0.15	0.44	1.74	0.13	0.36	1.39	0.10	0.29	1.03	0.07	0.22
	14	1.75	0.11	0.33	1.39	0.09	0.26	1.04	0.06	0.19	0.69	0.04	0.13
	16	1.40	0.08	0.24	1.04	0.06	0.18	0.69	0.04	0.12	0.35	0.02	0.06
45	8	3.67	0.40	3.00	3.31	0.36	2.51	2.94	0.32	2.06	2.58	0.28	1.63
	10	3.32	0.29	1.73	2.96	0.26	1.32	2.60	0.22	0.94	2.24	0.19	0.62
	12	2.97	0.21	0.81	2.61	0.19	0.57	2.25	0.16	0.43	1.90	0.14	0.36
	14	2.62	0.16	0.44	2.26	0.14	0.38	1.91	0.12	0.32	1.55	0.10	0.26
	16	2.28	0.12	0.35	1.92	0.10	0.29	1.56	0.08	0.24	1.21	0.07	0.18
50	8	4.55	0.49	4.21	4.18	0.45	3.64	3.81	0.41	3.11	3.45	0.37	2.62
	10	4.20	0.36	2.54	3.83	0.33	2.17	3.46	0.30	1.83	3.10	0.27	1.51
	12	3.85	0.28	1.61	3.48	0.25	1.29	3.12	0.22	0.98	2.76	0.20	0.70
	14	3.50	0.22	0.86	3.13	0.19	0.64	2.77	0.17	0.47	2.41	0.15	0.37
	16	3.15	0.17	0.46	2.79	0.15	0.39	2.42	0.13	0.33	2.07	0.11	0.28
55	8	5.42	0.58	5.57	5.05	0.54	4.92	4.67	0.50	4.31	4.31	0.46	3.75
	10	5.07	0.44	3.43	4.70	0.41	3.00	4.33	0.37	2.61	3.96	0.34	2.25
	12	4.72	0.34	2.23	4.35	0.31	1.94	3.98	0.29	1.67	3.62	0.26	1.42
	14	4.37	0.27	1.53	4.00	0.25	1.28	3.64	0.22	1.02	3.27	0.20	0.77
	16	4.02	0.22	0.91	3.65	0.20	0.71	3.29	0.18	0.53	2.93	0.16	0.40
60	8	6.30	0.68	7.10	5.92	0.64	6.37	5.54	0.60	5.68	5.17	0.56	5.04
	10	5.95	0.51	4.39	5.57	0.48	3.91	5.19	0.45	3.47	4.83	0.42	3.07
	12	5.60	0.40	2.91	5.22	0.38	2.59	4.85	0.35	2.28	4.48	0.32	1.99
	14	5.25	0.32	2.02	4.87	0.30	1.78	4.50	0.28	1.56	4.14	0.25	1.35
	16	4.90	0.26	1.45	4.53	0.24	1.25	4.16	0.22	1.04	3.79	0.20	0.83

MKC-V400R-B													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
$^{\circ}\text{C}$	$^{\circ}\text{C}$	kW	m ³ /h	kPa	kW	m ³ /h	kPa	kW	m ³ /h	kPa	kW	m ³ /h	kPa
40	8	3.43	0.37	4.56	2.98	0.32	3.60	2.54	0.27	2.51	2.11	0.23	1.51
	10	3.00	0.26	2.09	2.56	0.22	1.35	2.12	0.18	0.89	1.69	0.15	0.69
	12	2.57	0.19	0.92	2.13	0.15	0.76	1.70	0.12	0.60	1.27	0.09	0.45
	14	2.14	0.13	0.68	1.71	0.11	0.54	1.27	0.08	0.40	0.84	0.05	0.27
	16	1.71	0.09	0.50	1.28	0.07	0.37	0.85	0.05	0.25	0.42	0.02	0.12
45	8	4.33	0.49	7.04	3.86	0.44	5.88	3.61	0.39	4.82	3.14	0.34	3.87
	10	4.07	0.35	4.11	3.62	0.31	3.38	3.18	0.27	2.58	2.74	0.24	1.76
	12	3.64	0.26	2.26	3.20	0.23	1.59	2.75	0.20	1.06	2.32	0.17	0.75
	14	3.21	0.20	1.03	2.77	0.17	0.79	2.33	0.14	0.66	1.90	0.12	0.54
	16	2.78	0.15	0.72	2.34	0.13	0.61	1.91	0.10	0.50	1.48	0.08	0.38
50	8	5.56	0.60	9.90	5.13	0.55	8.54	4.74	0.50	7.29	4.28	0.45	6.14
	10	5.14	0.44	5.97	4.69	0.41	5.10	4.24	0.37	4.30	3.67	0.33	3.56
	12	4.72	0.34	3.80	4.26	0.31	3.21	3.81	0.27	2.62	3.37	0.24	1.96
	14	4.28	0.26	2.38	3.83	0.24	1.78	3.39	0.21	1.28	2.95	0.18	0.88
	16	3.86	0.21	1.23	3.41	0.18	0.89	2.97	0.16	0.70	2.53	0.14	0.59
55	8	6.61	0.72	13.10	6.26	0.67	11.56	5.73	0.62	10.13	5.28	0.57	8.80
	10	6.23	0.54	8.05	5.75	0.50	7.05	5.30	0.46	6.13	4.85	0.42	5.27
	12	5.78	0.42	5.24	5.33	0.38	4.56	4.87	0.35	3.92	5.85	0.32	3.33
	14	5.35	0.33	3.59	4.90	0.30	3.09	4.45	0.27	2.62	4.01	0.25	2.11
	16	4.93	0.27	2.45	4.47	0.24	1.95	4.03	0.22	1.48	3.58	0.19	1.08
60	8	7.73	0.83	16.71	7.25	0.78	15.00	6.76	0.73	13.31	6.30	0.68	11.80
	10	7.28	0.63	10.32	6.81	0.59	9.20	6.42	0.55	8.16	5.92	0.51	7.19
	12	6.85	0.49	6.87	6.39	0.46	6.09	6.04	0.43	5.36	5.48	0.39	4.69
	14	6.42	0.40	4.75	6.09	0.37	4.19	5.51	0.34	3.66	4.98	0.31	3.17
	16	6.00	0.32	3.41	5.54	0.30	2.97	5.09	0.27	2.57	4.64	0.25	2.19

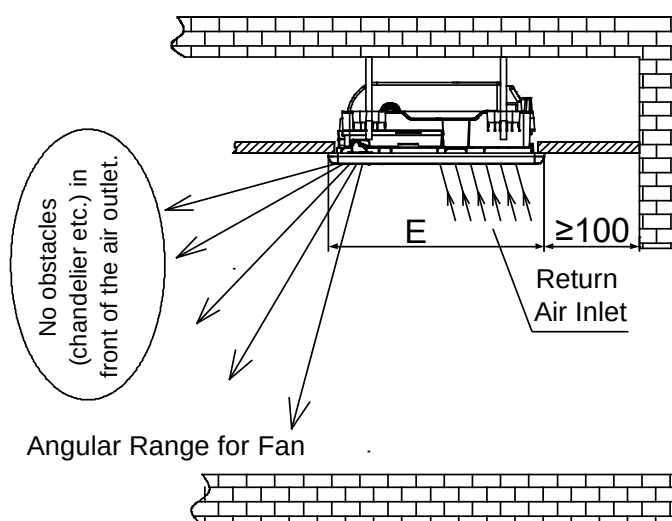
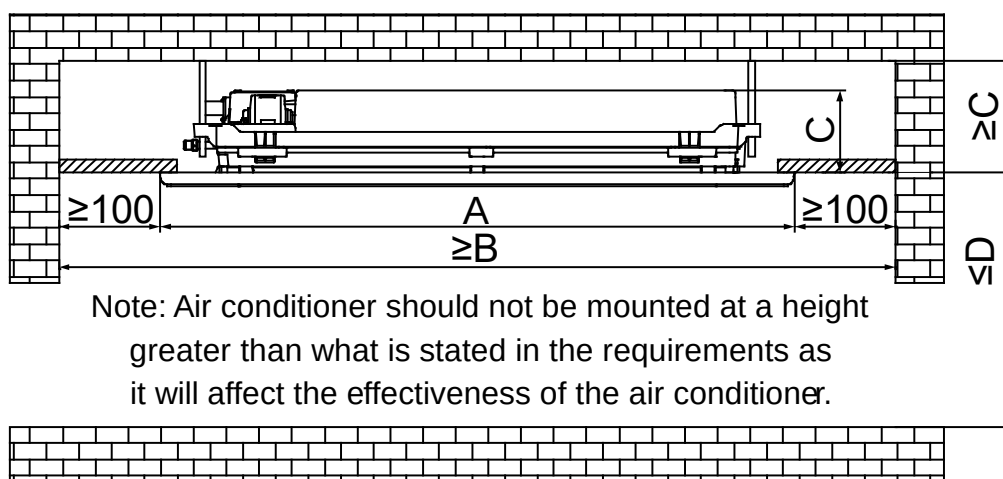
MKC-V600R-B													
EWT	ΔT	Indoor temperature (W.B.)											
		16			18			20			22		
		TH	WF	WPD	TH	WF	WPD	TH	WF	WPD	TH	WF	WPD
°C	°C	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa	kW	m³/h	kPa
40	8	4.80	0.52	7.98	4.18	0.45	6.32	3.57	0.39	4.84	2.96	0.32	3.52
	10	4.20	0.36	4.39	3.58	0.31	3.30	2.98	0.26	2.12	2.40	0.21	1.18
	12	3.60	0.26	2.13	3.01	0.22	1.31	2.43	0.17	0.83	1.83	0.13	0.61
	14	3.04	0.19	0.94	2.44	0.15	0.72	1.84	0.11	0.55	1.24	0.08	0.37
	16	2.46	0.13	0.66	1.85	0.10	0.50	1.25	0.07	0.34	0.64	0.03	0.18
45	8	6.31	0.68	12.44	5.69	0.61	10.42	5.08	0.55	8.57	4.47	0.48	6.89
	10	5.73	0.49	7.23	5.11	0.44	5.95	4.49	0.39	4.79	3.88	0.33	3.73
	12	5.13	0.37	4.45	4.50	0.32	3.57	3.89	0.28	2.70	3.29	0.24	1.79
	14	4.51	0.28	2.63	3.91	0.24	1.83	3.32	0.20	1.18	2.73	0.17	0.76
	16	3.95	0.21	1.29	3.36	0.18	0.88	2.75	0.15	0.67	2.15	0.12	0.52
50	8	7.82	0.84	17.60	7.19	0.78	15.24	6.58	0.71	13.04	5.96	0.64	11.02
	10	7.24	0.63	10.60	6.62	0.57	9.08	6.00	0.52	7.67	5.39	0.47	6.38
	12	6.65	0.48	6.73	6.03	0.43	5.69	5.41	0.39	4.73	4.80	0.34	3.85
	14	6.06	0.37	4.44	5.43	0.33	3.69	4.81	0.30	3.00	4.19	0.26	2.29
	16	5.45	0.29	2.98	4.82	0.26	2.31	4.22	0.23	1.66	3.63	0.20	1.10
55	8	9.32	1.00	23.40	8.70	0.94	20.83	8.07	0.87	18.29	7.45	0.81	15.93
	10	8.75	0.75	14.32	8.13	0.70	12.64	7.50	0.65	11.01	6.89	0.60	9.49
	12	8.17	0.59	9.35	7.55	0.54	8.15	6.92	0.50	7.03	6.30	0.45	5.99
	14	7.59	0.47	6.38	6.97	0.43	5.51	6.34	0.39	4.69	5.72	0.35	3.94
	16	6.99	0.38	4.44	6.36	0.34	3.78	5.74	0.31	3.17	5.11	0.28	2.61
60	8	10.84	1.17	29.94	10.20	1.10	26.85	9.57	1.03	24.01	8.94	0.96	21.34
	10	10.27	0.89	18.58	9.63	0.83	16.62	9.00	0.78	14.78	8.38	0.72	13.00
	12	9.70	0.70	12.32	9.06	0.65	10.96	8.43	0.61	9.68	7.81	0.56	8.48
	14	9.11	0.56	8.51	8.48	0.52	7.52	7.85	0.48	6.59	7.23	0.45	5.72
	16	8.53	0.46	6.09	7.90	0.43	5.34	7.27	0.39	4.64	6.65	0.36	3.98

11. Installation

11.1 Installation space

- Please avoid installing in the following places:
 - A place with flammable gas or material;
 - A saline place such as a seashore vicinity;
 - A place with sulfur gas;
 - A place with oil gas, such as kitchen;
 - A place with high-humidity air;
 - An unbearable place;
 - A place where high-frequency waves are generated;
 - The appliance shall not be installed in the laundry.
- Please comply with the related national electric standard to make electric insulation for construction and metal parts of air-conditioner.
- Please choose the place where the ventilation is good.
- Ceiling space requires $\geq 170\text{mm}$;
- The installation height of the unit can not higher than 3.2 m, or it will affect the operation effect.

Unit: mm

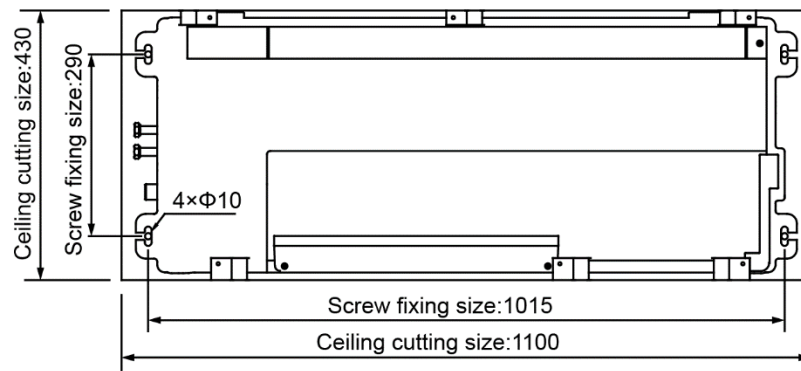


Unit: mm

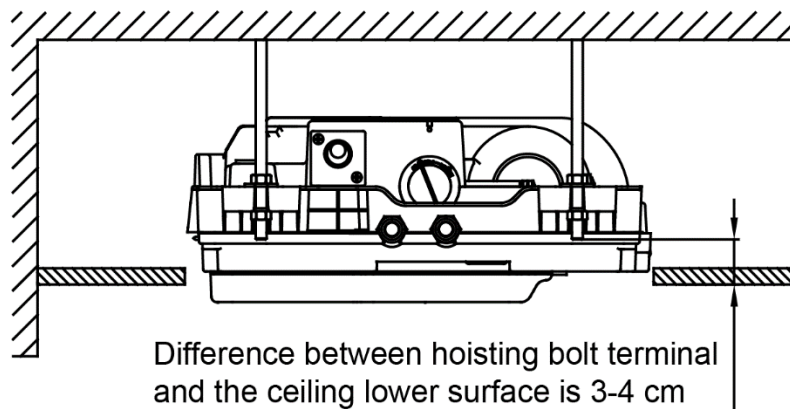
No.	Model	300	400, 600
A		1180	1350
B		1380	1550
C		153	189
D		3200	4000
E		465	505

11.2 Units installation

- Please use the installation paper plate to make sure the positions of the installation screws.



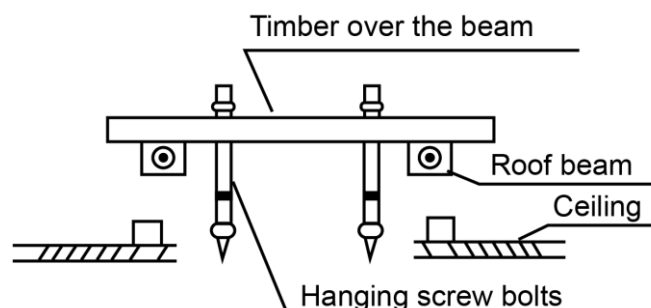
- Please accord to the follow figure's requirements to design the length of the suspender bolt.



- Please install with $\Phi 10$ hanging screw bolts.
 - The handling to the ceiling varies from the constructions; consult the construction person for the specific condition.
 - The size of the ceiling to be handled. Do keep the ceiling flat. Consolidate the roof beam for possible vibration.
 - Cut off the roof beam.
 - Strengthen the place that has been cut off, and consolidate the roof beam.
 - Connect wires and pipes inside the ceiling after the air conditioner is hanged.
 - After the selection of installation location, position the refrigerant pipes, drain pipes, indoor & outdoor wires to the connection places before hanging up the machine.
 - The installation of hanging screw bolts.

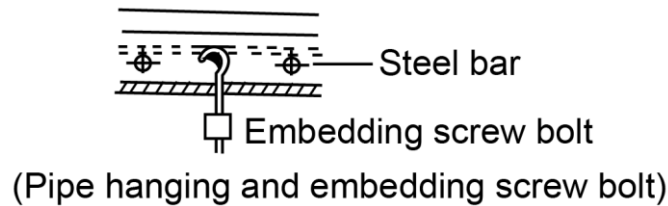
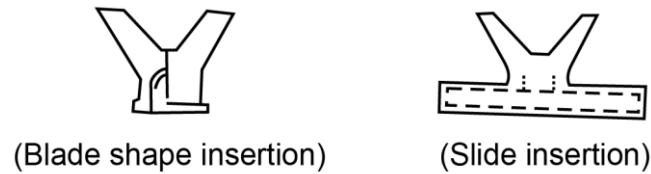
Wooden construction

- Put the square timber over the roof beam, and then install the hanging screw bolts.



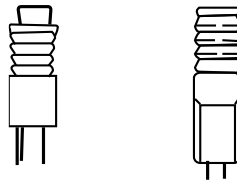
New Concrete Bricks

- Inlaying or embedding the screw bolts.



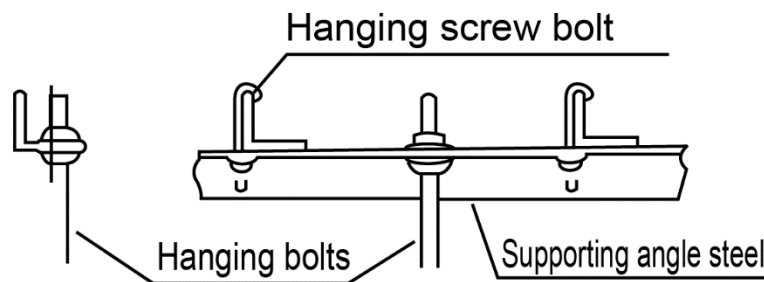
For finished concrete bricks

- Install the hanging hook with expansible bolt into the concrete deep to 45~50mm to prevent loose.



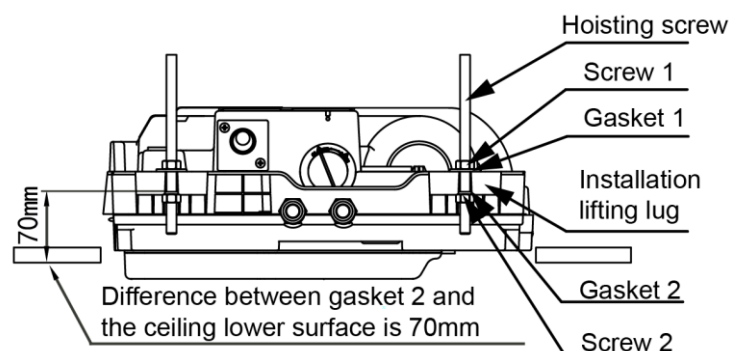
Steel roof beam structure

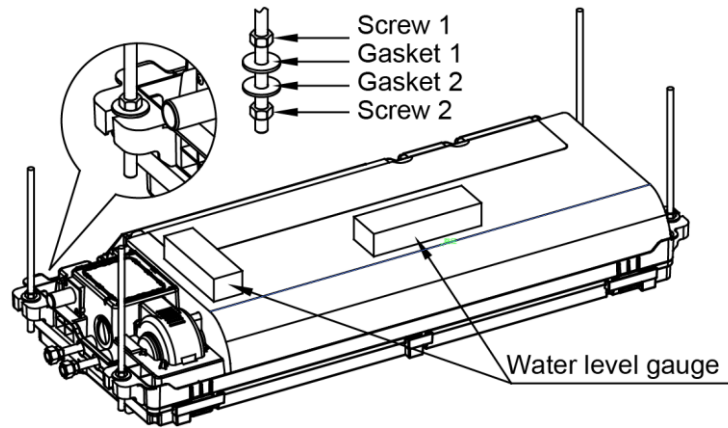
- Install the supporting angle steel.



Hoisting the indoor unit

- Adjust the height of screw 2, to make the difference between the upper surface of gasket 2 and the lower surface of the ceiling is 70mm;
- Hoisting the unit on the suspender bolt as the follow figure display, use the level gauge to level-out the length and width directions, and it needs to repeatedly adjust four screw 2 of the suspender during the process. It might occur this situation: under making sure the unit level, the difference of four gasket 2 of the hoisting bolt and the lower surface of the ceiling will be discorded, can't be 70mm. At this time it should make sure the level of the unit body, and move the whole unit up and down, and make the four differences try to be close to 70mm;
- Finish adjusting the unit height and the level, fasten the screw 1 of the four suspenders, and make the unit fixed reliably.



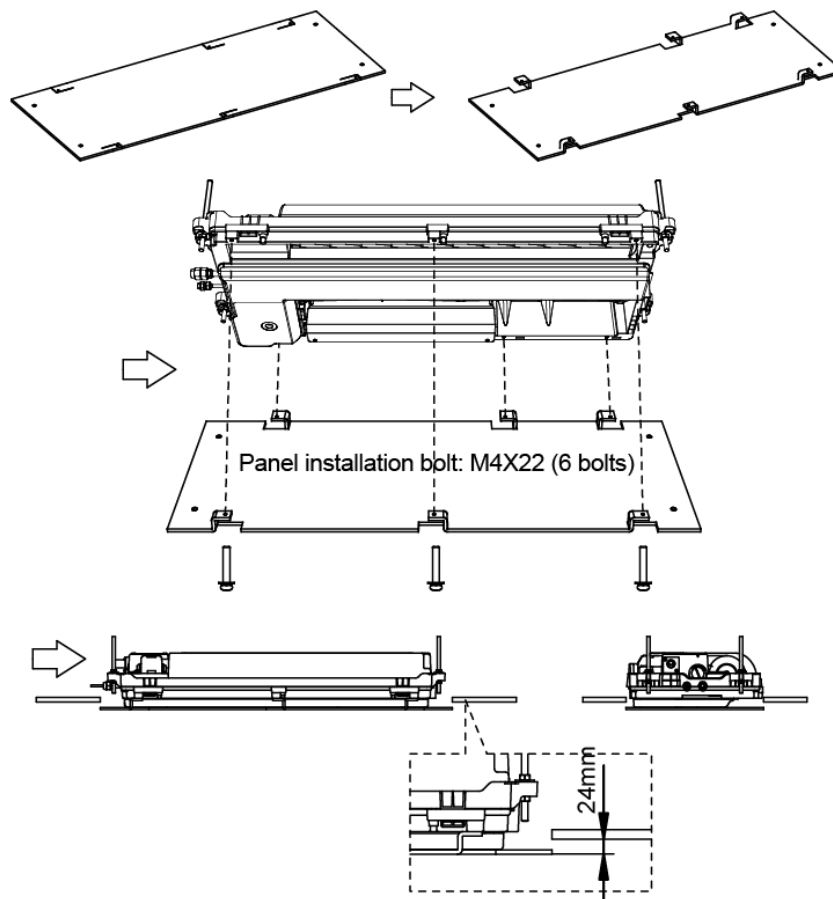


Cutting the ceiling

- Fold the installation paper plate.

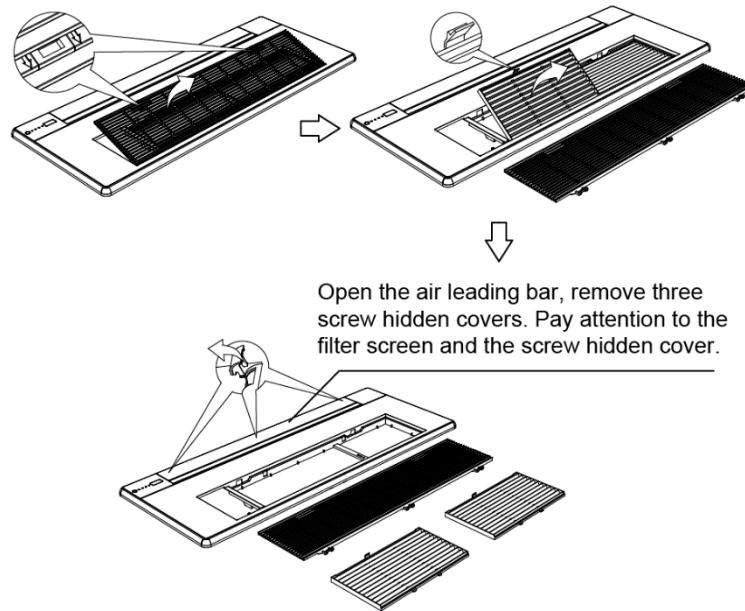
Caution: Folding direction is bulged out from the no printing content side;

- Use the panel fixing screws to fix the installation paper plate under the indoor unit;
- Make the ceiling opening size be the same with the outboard size of the model paper;
- Make sure the difference between the lower sides of the ceiling and model paper plate to be about 24mm, if not fit the requirements then means the hoisting height has problem;
- Please back to the above steps to re-adjust.



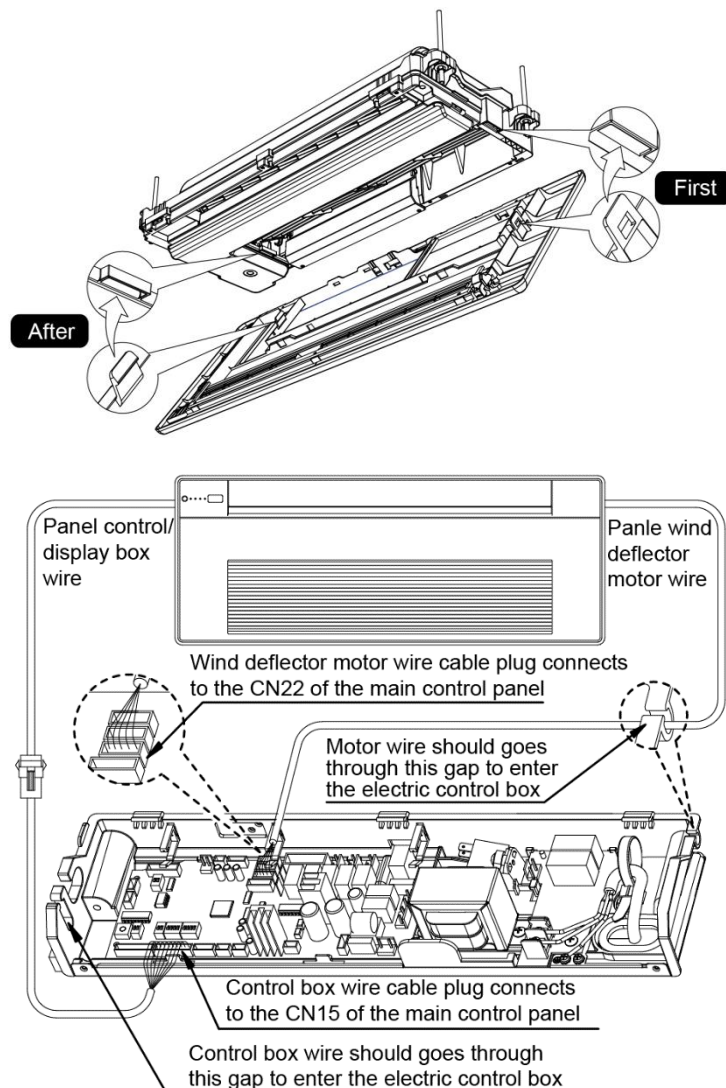
Panel component installation

- Remove the air return grille, filter screen, screw hidden cover.
- As the grille switch arrow indication direction to pull the lock catch, remove the air return grille.
- Pull the buckle as figure display, remove the filter screen.
- Open the air leading bar, remove three screw hidden covers.
- Take down the air return grille, filter screen, screw hidden cover and please safely keep them, do not lose, dirt and damage them.



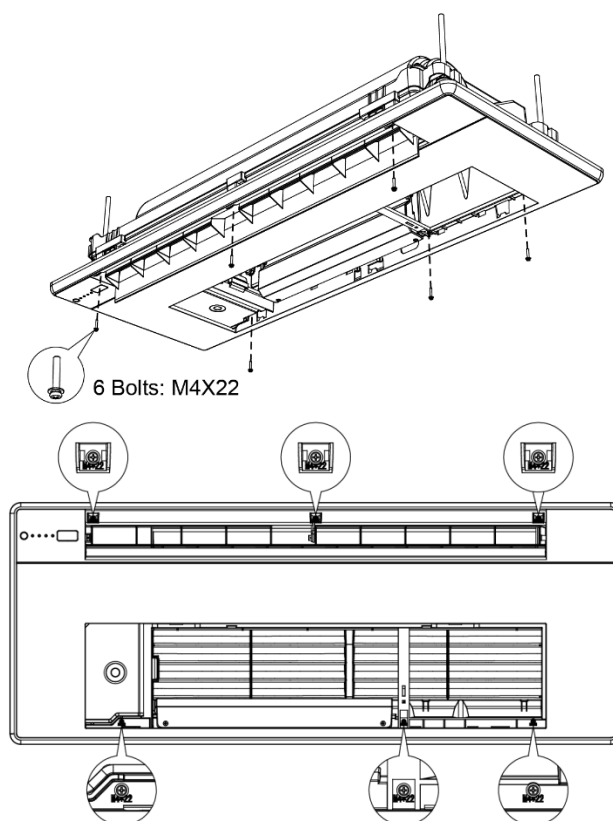
Install the panel component and wiring

- Two buckles on the panel component are used for assisting the panel installation, the installing method of the buckle as the follow figure display.
- Panel component wiring: open the electric control panel, connect the wiring terminal of the control display box and the motor connecting terminal of the air leading bar as the figure display to the main control panel.

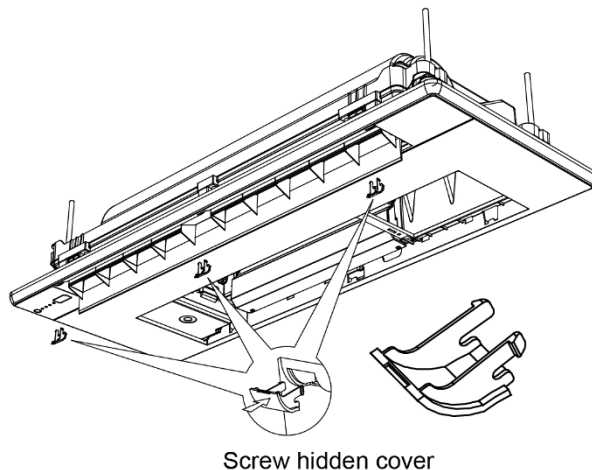


Install the screw

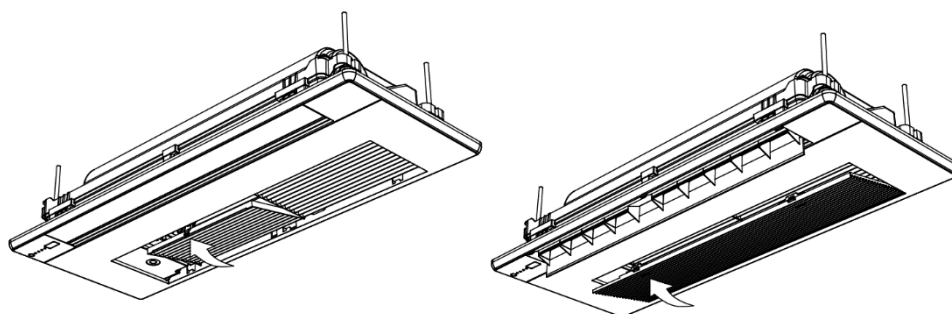
- Before installation please check the connecting cable between panel and air conditioner whether has clamped, if clamped, the panel will be unfairness after fastening the screws and damage the wires.



Install the screw hidden cover



Install back the filter screen and the air return grille



- Panel component wiring must accord to the figure display, otherwise will cause the abnormal operation. Connecting wire installation must follow the figure display, otherwise will cause the electric control box cover can't close, if there are wire clamped will cause air leakage and condensation of the

panel and so on.

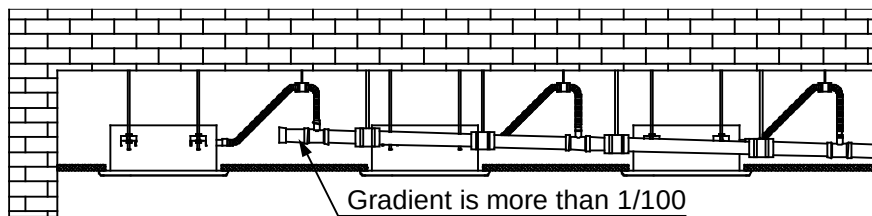
- Display part of the panel should be installed at the pipe side of the unit body.
- There are 6 panel installation screws, after confirmation then to be fastened.

11.3 Drainpipe installation

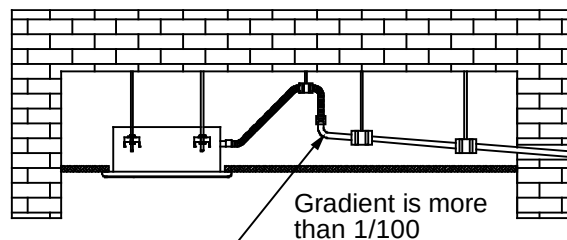
- When connecting the pipe, please use the sealing material and pipe glove.
- The drain pipe of indoor unit must be heat insulated, or it will condense dew, as well as the connections of the indoor unit.
- Make sure the connections are no leakage.
- With the connection part to the indoor unit, please note not to impose pressure on the side of indoor unit pipes.
- When the declivity of the drain pipe downwards is over 1/100, there should not be any winding.
- The total length of the drain pipe when pulled out breadthwise shall not exceed 20m. When the pipe is over long, a bracket must be installed to prevent winding.
- Refer to the following figures to install the pipes.

Drainage system type

Centralized drainage of several air conditioners

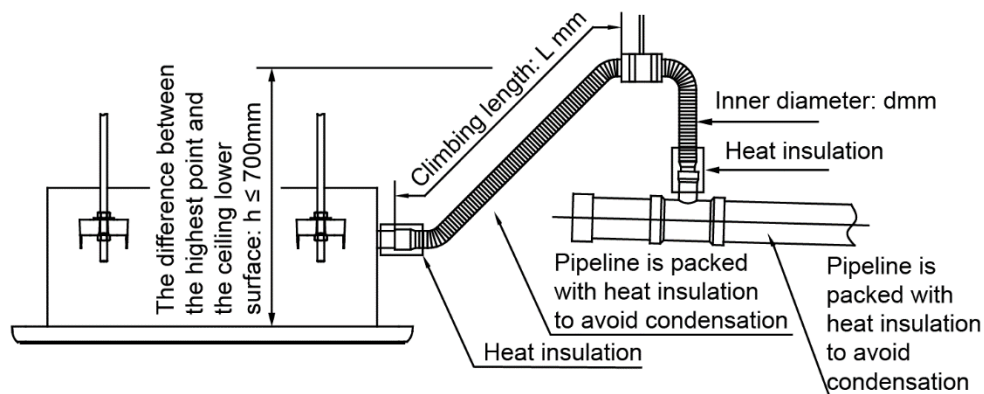


Single air conditioner drainage



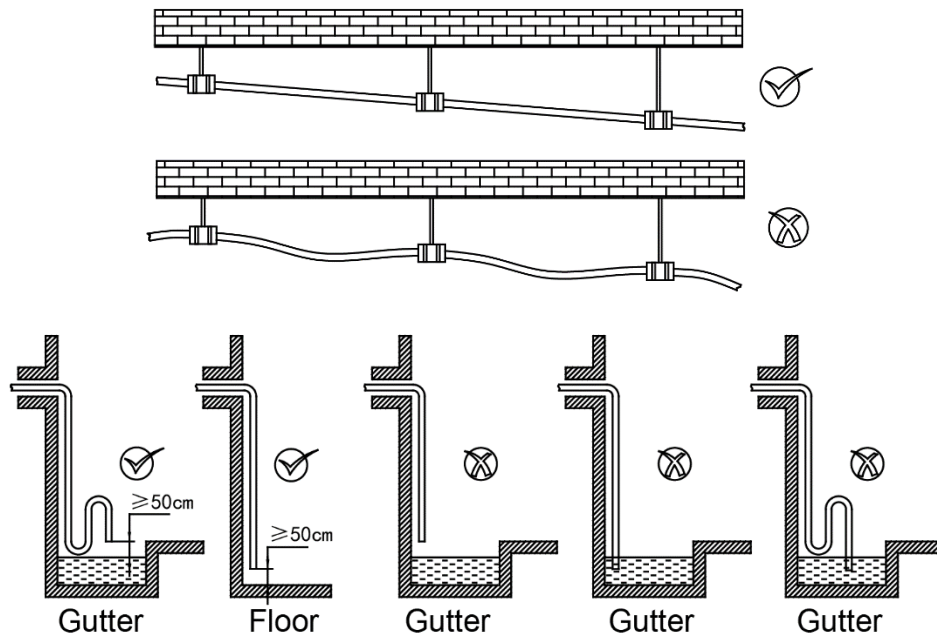
Drainage system design requirement

- Between climbing section length(L) and pipe inner diameter(d) should satisfy the relation: $L \times d^2 \leq 650000$ (unit: mm). That is water in the climbing section can't more than 500 mL, otherwise will cause poor drainage, flowing water leakage problems.
- It must accord to the requirement to install the water pipe. Suggest using water pipe with the inner diameter 25mm, and the climbing length is not over than 1m.



- Please according to the tube hardness to choose proper support density, do not appear obvious dropping and deformation situation. Dropping part will save the water and lead to poor drainage and

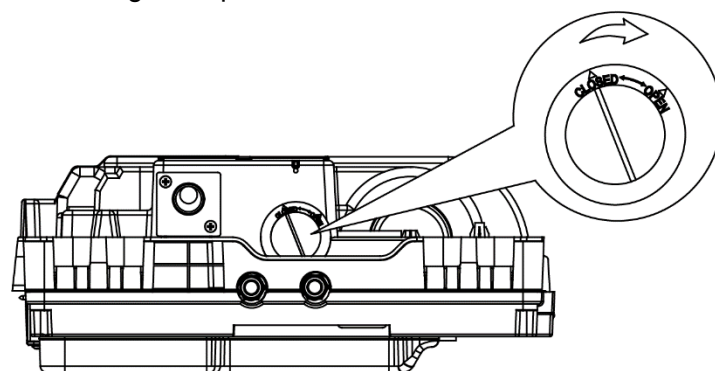
abnormal noise.



- Drainage pipe can use PVC pipe.
- The user can purchase the pipe of suitable length in the dealer place or in a local after-sale service center place, or directly to purchase in the market.
- Insert the drainage pipe port to the condensate water outlet, and use the outlet clamp (accessory) to fasten the drainage pipe and the thermal insulation sleeve.
- The pipes are needed to be packed with insulation heat preservation material. The connection of water pipe and air conditioner should use insulating sheath package, and tighten tightly to prevent water condensation to damage the ceiling decoration.
- To avoid water poured into the air conditioner inside when the unit operation stops, drainage pipe should be down dipped to outdoor side (drainage side), gradient is more than 1/100, drainage pipeline can't occur bending and dropping save water phenomenon, otherwise it will cause abnormal noise.
- During connecting pipe, please do not force pulling the drainage pipe which will cause the nozzle loose, and at the same time shall set up enough strong points, in order to avoid the drainage pipe drops.

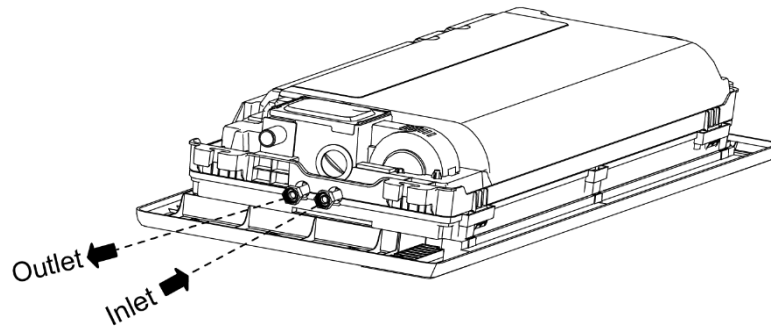
Drainage test

- After the unit installation then do the trial run and water drainage test. Power on the indoor and outdoor unit; operate the cooling mode and do the water drainage test.
- Open the cover of water test hole, use bottle or flexible pipe to fill water (500ml/min.), and then to observe whether has water drain out from the water drainage port. Check whether the pipeline has leakage and places which not pack with thermal material, and improve the parts with problems.
- After finishing water drainage and power off the unit, install back the cover of water test hole.

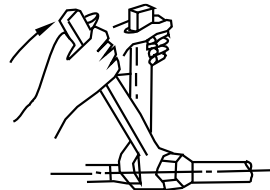


11.4 Install the connection pipe

Connecting pipes

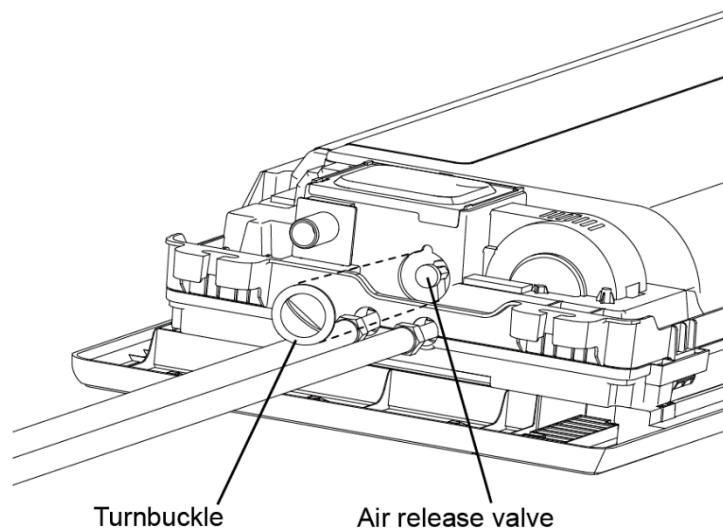


- Before connecting the pipes, make sure the seal washers located inside the connecting nut.
- Connect the unit to the water system by means of the fittings which are marked inlet and outlet.



- Avoid the damage to screw thread of evaporator, do not overexertion, when screwing. For avoid non-screw up or damage of screw thread, two spanners must be used simultaneously.
- Lag the connection pipes and any valves with anti-condensation material 10 mm thick or install the auxiliary.
- Ensure all interfaces not water leakage.

Air Exhaust



- When finished pipes and junctions connection. Turn the turnbuckle down, find the air release valve inside the unit, and exhaust the air contained in the circuit.

12. Troubleshooting

12.1 Troubles and causes of air conditioner

Symptom	Possible causes	Troubleshooting steps
The unit does not start	A power cut has occurred (the power to the premises has been cut-off).	Wait for the power to come back on.
	The unit is powered off.	Power on the unit. This indoor unit forms part of an air conditioning system that has multiple indoor units that are all connected. The indoor units cannot be powered on individually - they are all connected to one, single power switch. Ask a professional technician for advice regarding how to safely power on the units.
	The power switch fuse may have burned out.	Replace the fuse.
	The remote controller's batteries are exhausted or other problem of controller..	Replace the batteries or check the controller.
Air flows normally but isn't cool	The temperature setting is not correct.	Set the desired temperature on the remote controller properly.
The unit starts or stops frequently	Arrange for a professional technician to check the following: Air or no concreting gas in the watering circuit. water valve is malfunction. Voltage is too high or too low. System circuit is blocked. Temperature is not setted correctly.	discharge the air or gas in the circuit. Maintenance or change water valve. Install manostat. relieve the obstruction in the watering circuit Find reasons and solution. Set the desired temperature on the remote controller properly.
Low cooling effect	Doors or windows are open.	Close the doors and windows.
	Sunlight is shining directly onto the unit.	Close shutters/blinds to shield the unit from direct sunlight.
	The room contains many heat sources such as computers or refrigerators.	Turn off some of the computers during the hottest part of the day.
	The unit's air filter is dirty.	Clean the filter.
	The outside temperature is unusually high .	The cooling capacity of the system reduces as the outdoor temperature rises and the system may not provide sufficient cooling if the local climate conditions are not considered when the system's outdoor units were selected.
Low heating effect	Engage a professional air conditioning engineer to check the following: ♦ The unit's heat exchanger is dirty. ♦ The unit's air inlet or outlet is blocked. ♦ A water leak has occurred.	Clean the heat exchanger. Eliminate all dirties and make air smooth Relieve the obstruction Check leakage .
	Doors or windows are not completely closed. A water leak has occurred.	Close doors and windows. Use heating device. Close doors and windows. Check leakage.

12.2 Troubles and causes of remote controller

Symptom	Possible causes	Troubleshooting steps
The fan speed cannot be adjusted	Check whether the MODE indicated on the display is "AUTO".	In automatic mode, the air conditioner will automatically change the fan's speed.
	Check whether the MODE indicated on the display is "DRY".	When dry mode is selected, the air conditioner automatically adjusts the fan speed. (The fan speed can be selected during "COOL", "FAN ONLY", and "HEAT".)
The remote controller signal is not transmitted even when the ON/OFF button is pushed	A power cut has occurred (the power to the premises has been cut-off). The remote controller's batteries are exhausted.	Wait for the power to come back on. Replace the batteries.
The indication on the display panel disappears after a certain time	Check whether the timer operation has come to an end when TIMER OFF is indicated on the display.	The air conditioner operation will stop up to the set time.
The TIMER ON indicator goes off after a certain time	Check whether the timer operation has come to an end when TIMER ON is indicated on the display.	Up to the set time, the air conditioner will automatically start and the appropriate indicator will go off.
No receiving sound from the indoor unit when the ON/OFF button is pressed	Check whether the signal transmitter of the remote controller is properly directed to the infrared signal receiver of the indoor unit when the ON/OFF button is pressed.	Directly transmit the signal transmitter of the remote controller to the infrared signal receiver of the indoor unit, and then press the ON/OFF button twice.
The TEMP. indicator does not come on.	Check whether the MODE indicated on the display is FAN ONLY	The temperature cannot be set during FAN mode.

12.3 Malfunctions and malfunction code

If anything happens like the situation described below, please shut off the power supply of the unit and contact with the customer service center immediately.

Content	Display output	Possible causes
Room temperature sensor detection port is abnormal	E2	◆ Lose connection between temperature sensor and Main control board ◆ Temperature Sensor is damaged. ◆ Main control board is damaged
The coil sensor detection port is abnormal	E3	
E2PROM communication error	E7	◆ Lose connection between E2PROM chip and Main control board. ◆ E2PROM chip is inserted in wrong direction ◆ E2PROM chip failure ◆ Main control board is damaged
Dc motor stall failure	E8	◆ Motor connection is damaged ◆ Fan is jammed or blocked ◆ Motor has failed ◆ Main control board is damaged
The water level exceeds the warning level	EE	◆ Water level float stuck ◆ Drain pump has malfunctioned ◆ Connection between water level switch and Main control board is loose ◆ Water level switch is broken ◆ Main control board is damaged
Model protection is not set	PF	◆ Check whether the dial code of the motherboard is correct according to the wiring nameplate. ◆ Main control board is damaged
Anti-freezing protection	P0	◆ The water temperature of the water supply is below 3°C. ◆ Coil Temperature Sensor T2C failure. ◆ Main control board is damaged
Water temperature over-range protection	P1	◆ The water supply is higher than 75°C. ◆ Coil Temperature Sensor T2C failure. ◆ Main control board is damaged

Notes:

Flashing rapidly means flashing twice per second; flashing slowly means flashing once per second.