Technical Manual

Midea DC Fan Coil Unit

Two/Four-pipe Four-way Cassette

MKA(CA) Series



Four-way Cassette

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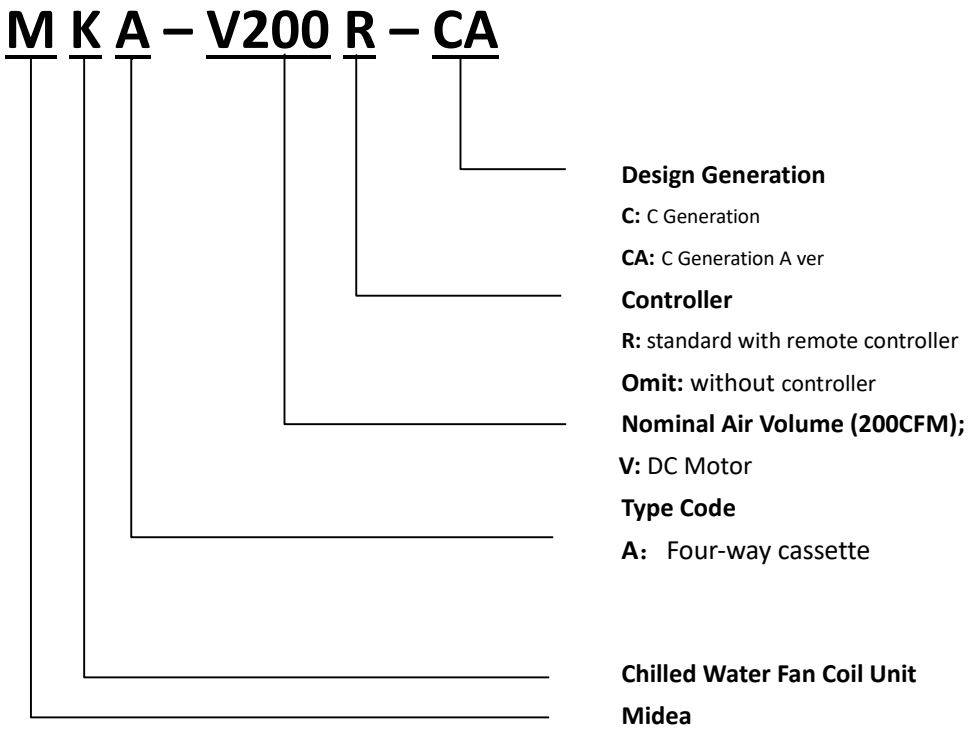
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1 Nomenclature



2 Specifications

Model			MKA-V600-CA	MKA-V700-CA	MKA-V800-CA
Power supply		V/Ph/Hz	220-240/1/50		
Air flow		m^3/h	1020/950/880/ 780/700/620/490	1190/1090/990/ 900/790/680/560	1360/1280/1180/ 1040/920/800/650
		CFM	600/558/517/ 458/411/364/288	700/641/582/ 529/464/400/329	800/752/694/ 611/541/470/382
Cooling	Capacity	kW	5.50/5.25/5.00/ 4.55/4.00/3.20/2.70	6.50/6.10/5.70/ 5.10/4.80/4.40/3.75	7.50/7.00/6.50/ 6.00/5.50/4.90/4.30
	Water flow rate	m^3/h	1.04/0.97/0.90/0.81/ 0.71/0.58/0.49	1.20/1.08/0.99/0.90/ 0.82/0.76/0.70	1.33/1.23/1.13/1.06/ 0.96/0.85/0.77
	Water pressure drop	kPa	45/35/32/30/25/20/18	30/28/25/20/18/16/14	35/32/29/25/20/18/14
	Power input	W	40/35/30/25/20/15/12	45/35/30/25/20/15/12	60/50/40/30/25/20/15
Heating	Capacity	kW	6.50/6.20/5.90/ 5.25/4.85/4.30/3.55	7.50/7.20/6.60/ 6.10/5.50/5.00/4.10	8.50/7.90/7.20/ 6.60/5.90/5.40/4.70
	Water flow rate	m^3/h	1.18/1.09/1.04/0.94/ 0.84/0.75/0.64	1.35/1.28/1.19/1.07/ 0.97/0.88/0.81	1.48/1.39/1.28/1.17/ 1.03/0.93/0.83
	Water pressure drop	kPa	45/35/32/30/25/20/18	30/28/25/20/18/16/14	35/32/29/25/20/18/14
	Power input	W	40/35/30/25/20/15/12	45/35/30/25/20/15/12	60/50/40/30/25/20/15
Sound pressure level		dB(A)	39.8/37.5/35.2 /32.3/29.2/25.9/22.3	37.4/34.6/31.8 /28.9/25.9/23.5/20.7	41.4/38.7/35.8 /32.5/29.1/25.9/23.1
Sound power level		dB(A)	51.5/49.1/46.5 /43.6/40.4/36.9/33.6	50.9/48.4/45.6 /42.8/39.9/39.1/36.7	52.7/50.2/47.5 /44.5/41.2/37.4/35.3
Rated current		A	0.4/0.4/0.3/0.3 /0.3/0.3/0.3	0.4/0.4/0.3/0.3/0.3 /0.3/0.3	0.5/0.3/0.4/0.3/0.3 /0.3/0.3
Fan motor	Type		DC motor		
	Number		1		
Fan	Type		Centrifugal, forward-curved Blades		
	Number		1		
Coil	Row		2		
	Max. Working pressure	MPa	1,6		
	Diameter	mm	7		
Panel	Net dimensions (W×H×D)	mm	950*77*950	950*77*950	950*77*950
	Packing size (W×H×D)	mm	1020*90*1020	1020*90*1020	1020*90*1020
	Net weight	kg	5.8	5.8	5.8
	Gross weight	kg	7.6	7.6	7.6
Body	Net dimensions (W×H×D)	mm	840*204*840	840*288*840	840*288*840
	Packing size (W×H×D)	mm	940*250*940	940*335*940	940*335*940
	Net weight	kg	19.3	23.6	23.6
	Gross weight	kg	22.3	26.2	26.2
Pipe connections	Water inlet/outlet pipe	mm	RC3/4		
	Drain pipe	mm	Φ25		

Notes:

1. Cooling mode: entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.
2. Heating mode: entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.
3. Sound power levels are measured 1m around the unit in a semi-anechoic chamber. During in-situ operation. Sound pressure levels are measured 1m below and right of the unit in a semi-anechoic chamber.

Model			MKA-V1000-CA	MKA-V1200-CA
Power supply		V/Ph/Hz	220-240/1/50	
Air flow		m^3/h	1700/1600/1450/1250/1150/1000/810	1950/1850/1650/1450/1300/1150/950
		CFM	1000/941/852/735/676/588/476	1147/1088/970/852/764/676/558
Cooling	Capacity	kW	8.50/8.20/7.65/6.95/6.40/5.80/4.85	10.50/10.00/9.50/8.90/8.00/7.10/6.20
	Water flow rate	m^3/h	1.56/1.46/1.35/1.22/1.12/1.01/0.86	2.02/1.89/1.76/1.64/1.50/1.32/1.16
	Water pressure drop	kPa	45/40/35/30/25/20/18	45/40/35/30/25/20/17
	Power input	W	100/80/60/50/40/30/20	200/150/110/80/60/40/30
Heating	Capacity	kW	9.50/9.35/8.75/8.10/7.40/6.60/5.80	12.00/11.20/10.50/9.95/9.00/8.00/6.90
	Water flow rate	m^3/h	1.73/1.66/1.57/1.44/1.30/1.16/1.02	2.23/2.08/1.89/1.72/1.56/1.38/1.20
	Water pressure drop	kPa	45/40/35/30/25/20/18	45/40/35/30/25/20/17
	Power input	W	100/80/60/50/40/30/20	200/150/110/80/60/40/30
Sound pressure level		dB(A)	46.8/44.5/41.6/38.4/34.8/30.8/26.8	51.5/49.3/46.9/44.2/40.7/36.7/32.0
Sound power level		dB(A)	59.1/56.8/54.1/51.1/47.7/43.9/40.3	63.5/61.2/58.6/55.7/52.4/48.5/44.1
Rated current		A	0.8/0.7/0.5/0.4/0.3/0.3/0.3	1.4/1.1/0.8/0.7/0.5/0.4/0.4
Fan motor	Type		DC motor	
	Number		1	
Fan	Type		Centrifugal, forward-curved Blades	
	Number		1	
Coil	Row		2	3
	Max. Working pressure	MPa	1,6	
	Diameter	mm	7	
Panel	Net dimensions (W×H×D)	mm	950*77*950	950*77*950
	Packing size (W×H×D)	mm	1020*90*1020	1020*90*1020
	Net weight	kg	5.8	5.8
	Gross weight	kg	7.6	7.6
Body	Net dimensions (W×H×D)	mm	840*288*840	840*288*840
	Packing size (W×H×D)	mm	940*335*940	940*335*940
	Net weight	kg	23.6	25.9
	Gross weight	kg	26.2	28.3
Pipe connections	Water inlet/outlet pipe	mm	RC3/4	
	Drain pipe	mm	Φ25	

Notes:

1. Cooling mode: entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.
2. Heating mode: entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.
3. Sound power levels are measured 1m around the unit in a semi-anechoic chamber. During in-situ operation. Sound pressure levels are measured 1m below and right of the unit in a semi-anechoic chamber.

Four-way Cassette Units

Model			MKA-V600F-CA	MKA-V700F-CA	MKA-V800F-CA
Power supply		V/Ph/Hz	220-240/1/50		
Air flow		m^3/h	1020/930/870/ 800/720/620/520	1190/1080/950/ 880/790/680/560	1360/1250/1120/ 1000/900/800/660
		CFM	600/547/511/ 470/423/364/305	700/635/558/ 517/464/400/329	800/735/658/ 588/529/470/388
Cooling	Capacity	kW	4.70/4.40/4.00/ 3.70/3.40/3.00/2.65	5.00/4.70/4.40/ 4.15/3.90/3.55/3.00	5.50/5.20/4.90/ 4.60/4.20/3.80/3.40
	Water flow rate	m^3/h	0.88/0.82/0.74/0.65/ 0.60/0.53/0.46	0.90/0.88/0.83/0.77/ 0.74/0.67/0.63	1.02/0.98/0.92/0.86/ 0.76/0.69/0.62
	Water pressure drop	kPa	30/28/26/25/22/16/14	35/32/30/27/25/20/15	40/35/30/28/22/18/17
	Power input	W	40/30/25/20/15/12/10	45/35/30/25/20/15/13	60/50/40/30/25/20/15
Heating	Capacity	kW	7.30/6.90/6.40/ 6.00/5.30/4.40/3.80	7.00/7.00/6.70/ 6.40/6.30/5.50/4.65	7.50/7.10/6.70/ 6.35/5.95/5.50/5.20
	Water flow rate	m^3/h	0.68/0.63/0.59/0.55/ 0.50/0.41/0.33	0.71/0.68/0.64/0.61/ 0.57/0.51/0.41	0.79/0.74/0.69/0.63/ 0.59/0.53/0.46
	Water pressure drop	kPa	30/28/26/25/22/16/14	35/32/30/27/25/20/15	40/35/30/28/22/18/17
	Power input	W	40/30/25/20/15/12/10	45/35/30/25/20/15/13	60/50/40/30/25/20/15
Sound pressure level		dB(A)	34.2/31.5/29.0/ 26.3/24.1/21.8/20.6	37.4/34.5/31.6/ 28.4/25.6/23.2/21.0	41.2/38.6/35.7/ 32.2/28.9/25.6/22.8
Sound power level		dB(A)	46.8/44.1/41.4/ 38.4/35.4/32.4/30.3	49.7/47.1/44.2/ 41.2/37.9/35.0/31.8	53.5/50.9/48.0/ 44.9/41.6/38.0/35.1
Rated current		A	0.4/0.4/0.3/0.3/ 0.3/0.3/0.3	0.4/0.4/0.4/0.3/ 0.3/0.3/0.3	0.5/0.4/0.4/0.3 /0.3/0.3/0.3
Fan motor	Type		DC motor		
	Number		1		
Fan	Type		Centrifugal, forward-curved Blades		
	Number		1		
Coil	Row		2		
	Max. Working pressure	MPa	1,6		
	Diameter	mm	7		
Panel	Net dimensions (W×H×D)	mm	950*77*950	950*77*950	950*77*950
	Packing size (W×H×D)	mm	1020*90*1020	1020*90*1020	1020*90*1020
	Net weight	kg	5.8	5.8	5.8
	Gross weight	kg	7.6	7.6	7.6
Body	Net dimensions (W×H×D)	mm	840*288*840	840*288*840	840*288*840
	Packing size (W×H×D)	mm	940*335*940	940*335*940	940*335*940
	Net weight	kg	23.9	23.9	23.9
	Gross weight	kg	26.4	26.4	26.4
Pipe connections	Water inlet/outlet pipe	mm	RC3/4-RC1/2		
	Drain pipe	mm	Φ25		

Notes:

1. Cooling mode: entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.
2. Heating mode: entering air temperature 20°C DB, entering/leaving water temperature 65/55°C.
3. Sound power levels are measured 1m around the unit in a semi-anechoic chamber. During in-situ operation. Sound pressure levels are measured 1m below and right of the unit in a semi-anechoic chamber.

Four-way Cassette Units

Model			MKA-V1000F-CA	MKA-V1200F-CA
Power supply		V/Ph/Hz	220-240/1/50	
Air flow		m^3/h	1703/1259/807	2042/1507/966
		CFM	1000/741/475	1200/886/568
Cooling	Capacity	kW	9.01/7.16/5.12	10.03/8.13/5.98
	Water flow rate	m^3/h	1.6/1.25/0.89	1.8/1.42/1.04
	Water pressure drop	kPa	38.95/24.65/13.18	47.72/30.75/17.05
	Power input	W	110/48/19	186/76/27
Heating	Capacity	kW	9.42/7.88/6.04	10.79/9.04/7.04
	Water flow rate	m^3/h	0.82/0.7/0.53	0.94/0.79/0.61
	Water pressure drop	kPa	43.59/32.29/19.22	48.84/35.28/21.82
	Power input	W	109/47/18	186/74/25
Sound pressure level		dB(A)	46.9/38.8/27.5	51.3/43.6/31.8
Sound power level		dB(A)	60.1/52.2/41.2	64.4/56.7/45.8
Rated current		A	1/0.5/0.3	1.6/0.8/0.4
Fan motor	Type		DC motor	
	Number		1	
Fan	Type		Centrifugal, forward-curved Blades	
	Number		1	
Coil	Row		3	3
	Max. Working pressure	MPa	1,6	
	Diameter	mm	7	
Panel	Net dimensions (W×H×D)	mm	950*77*950	950*77*950
	Packing size (W×H×D)	mm	1020*90*1020	1020*90*1020
	Net weight	kg	5.8	5.8
	Gross weight	kg	7.6	7.6
Body	Net dimensions (W×H×D)	mm	840*288*840	840*288*840
	Packing size (W×H×D)	mm	940*335*940	940*335*940
	Net weight	kg	26.2	26.2
	Gross weight	kg	28.6	28.6
Pipe connections	Water inlet/outlet pipe	mm	RC3/4-RC1/2	
	Drain pipe	mm	Φ25	

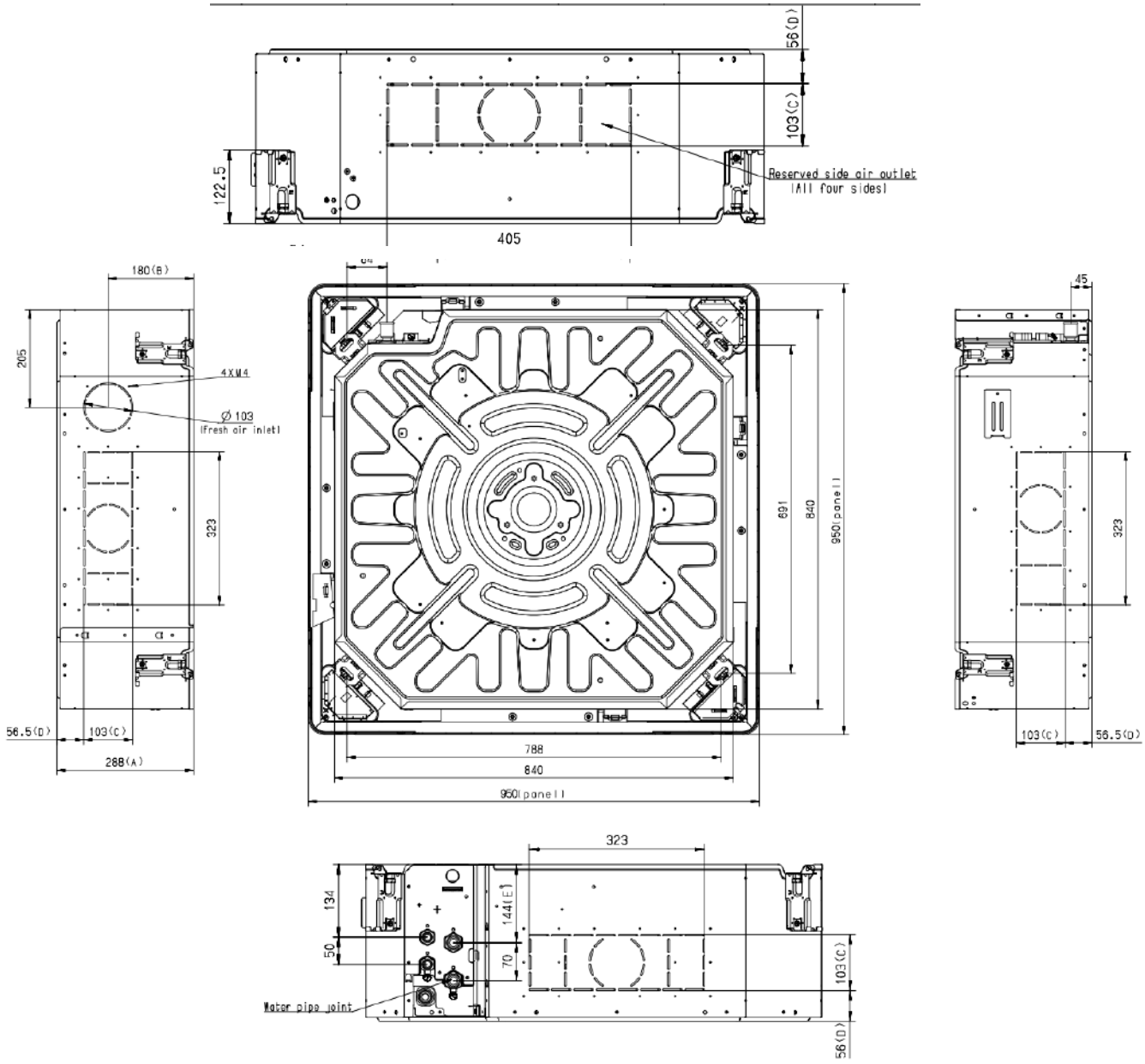
Notes:

1. Cooling mode: entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.
2. Heating mode: entering air temperature 20°C DB, entering/leaving water temperature 65/55°C.
3. Sound power levels are measured 1m around the unit in a semi-anechoic chamber. During in-situ operation. Sound pressure levels are measured 1m below and right of the unit in a semi-anechoic chamber.

3 Dimensions

3.1 Unit Dimensions

Figure 2.1: Four-way Cassette dimensions (unit: mm)



Model	A	B	C	D	E
MKA-V600-CA	204	141	63	41.5	69
MKA-V700-CA~MKA-V1200-CA MKA-V600F-CA~MKA-V1200F-CA	288	190	103	56.5	144

4 Unit Placement

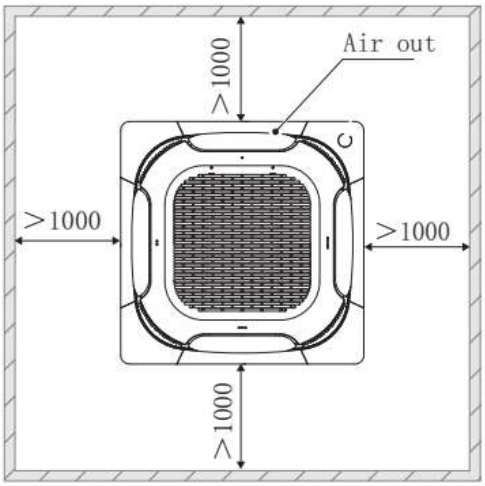
4.1 Placement Considerations

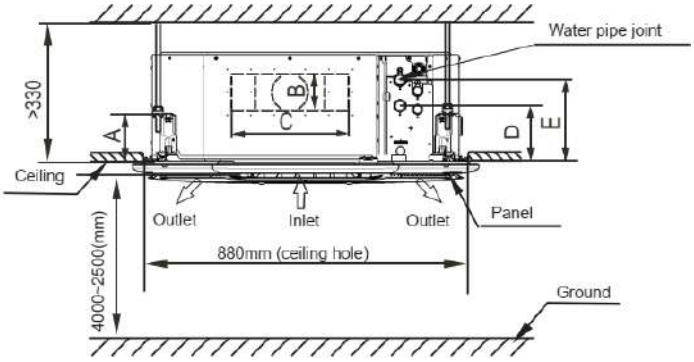
The indoor unit should be installed in a location that meets the following requirements:

- There is enough room for installation and maintenance.
- The ceiling is horizontal, and its structure can endure the weight of the indoor unit.
- The outlet and the inlet are not impeded, and the influence of external air is the least.
- The air flow can reach throughout the room.
- The connecting water pipe and drainpipe could be extracted out easily.
- There is no direct radiation from heaters.

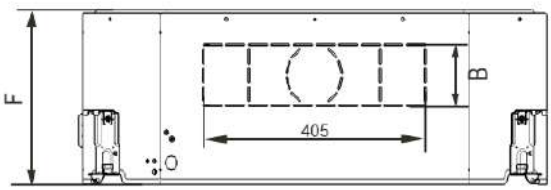
4.2 Space Requirements

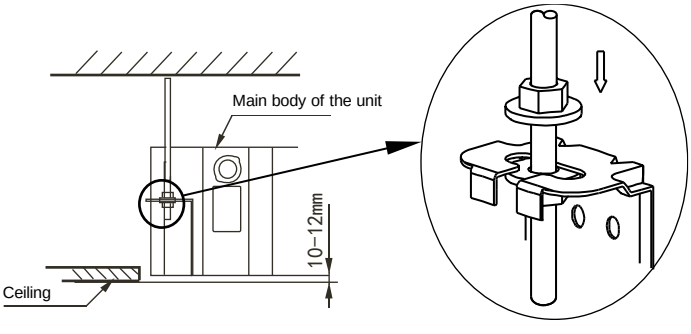
Four-way Cassette space requirements (unit: mm)





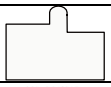
Model name	A	B	C	D	E	F
MKA-V600-CA	140	103	323	85	155	204
MKA-V700-CA~MKA-V1200-CA MKA-V600F-CA~MKA-V1200F-CA	140	103	323	160	230	288





5 Accessories

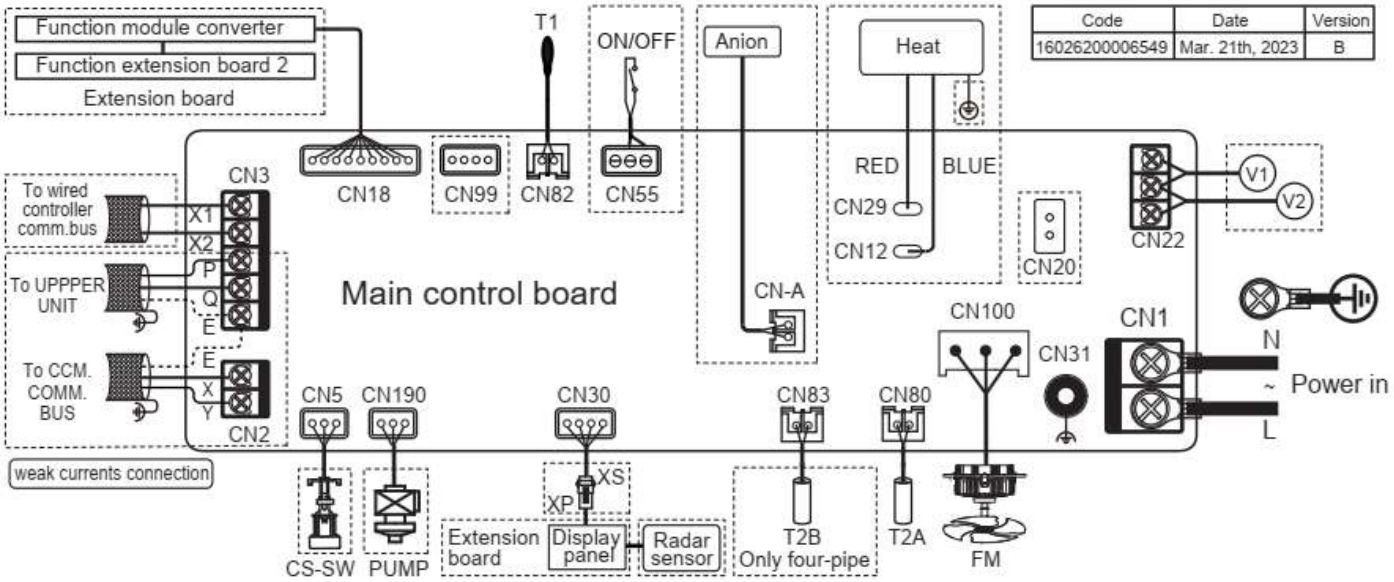
5.1 Standard accessories

Accessory name	Qty.	Shape
Owner's & installation manual	1	/
Installation paper board	1	
Nut	8	
Washer	8	
Soundproof / insulation sheath	2	
Tightening band	1	

5.2 Optional accessories

Accessory name	Qty.	Shape	Usage
Wired controller WDC3-86S	1		Wired control
Central controller CCM30	1		Central control
Remote controller RM12F1	1		Remote control

6 Wiring Diagram



Fault code and definition	
b3*	Water pump/water level switch error
C41	Communication error between main control board and fan drive module
C51	Communication error between main control board and wired controller
C61	Communication error between main control board and extension board
C7*	
E3*	Controller/ Panel sensor error
J**	Fan / Fan drive module error
P7*	EEPROM failure
U1*	Dial code setting error
P0*	Out of working rang
E24	T1 sensor error
F01	T2A sensor error
F21	T2B sensor error
Prompt codes and definitions (non-faults)	
d61	Remote off

Note: " * " Represents sub codes for different faults.
Please refer to owner's manual for more information.

Code	Description	Code	Description
T1	ROOM TEMPERATURE	T2A/T2B	PIPE TEMPERATURE
Anion	Netion sterilization module	HEAT	Electric heater
CS-SW	Water level switch	ON/OFF	Remote on/off
FM	DC Fan motor	XS XP	Connectors

2-Pipe: Both cooling and heating valves are V1.
4-Pipe: Cooling valve is V1, heating valve is V2.

Warning:

All power supply circuits must be cut off before approaching the terminal blocks!

Attention:

- Power cords should be effectively fixed!
- Be sure to confirm the reliability of wiring connection before power on!
- The wiring diagram shown is for reference only!
- The dotted lines indicate the field wiring or optional function!

7 Capacity Tables

Cooling and heating capacity table is calculate under the airflow condition of H.（SSH, SH, **H**, M, L, SL, SSL）

If the other airflow condition is needed, please use capacity table calculate in the MSS-FCU DC.

7.1 Cooling Capacity Table

MKA-V600-CA																							
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	
℃	℃	℃	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	4.13	3.08	1.19	121.55	4.1	3.5	1.18	119.35	4.14	3.93	1.19	121.81	4.36	4.36	1.26	133.04	4.77	4.77	1.38	155.85	
		17	5.39	3.09	1.56	192.92	5.36	3.51	1.55	191.01	5.33	3.93	1.54	189.07	5.3	4.35	1.53	187.07	5.27	4.76	1.52	185.18	
		19	-	-	-	-	6.72	3.53	1.94	282.83	6.68	3.95	1.93	279.96	6.64	4.36	1.92	277.17	6.6	4.77	1.9	274.39	
		20	-	-	-	-	7.43	3.53	2.15	337.82	7.39	3.96	2.13	334.45	7.35	4.37	2.12	331.13	7.31	4.78	2.11	327.82	
	4	15	3.77	2.91	0.81	62.78	3.78	3.34	0.82	62.97	3.91	3.78	0.84	66.18	4.22	4.21	0.91	76.25	4.63	4.63	1	89.81	
		17	5.06	2.93	1.1	104.78	5.03	3.36	1.09	103.69	5	3.78	1.08	102.59	4.97	4.19	1.08	101.47	4.99	4.61	1.08	102.32	
		19	-	-	-	-	6.4	3.38	1.39	158.01	6.36	3.8	1.38	156.46	6.33	4.22	1.37	154.91	6.29	4.63	1.37	153.4	
		20	-	-	-	-	7.12	3.39	1.55	190.25	7.08	3.81	1.54	188.45	7.04	4.23	1.53	186.59	7	4.64	1.52	184.74	
	5	15	3.37	2.72	0.58	34.98	3.48	3.17	0.6	37.02	3.7	3.63	0.64	40.88	4.07	4.07	0.7	48.11	4.49	4.49	0.77	57.2	
		17	4.68	2.76	0.8	61.19	4.65	3.18	0.8	60.55	4.62	3.6	0.79	59.9	4.63	4.03	0.8	60.06	4.74	4.46	0.82	62.75	
		19	-	-	-	-	6.05	3.22	1.05	96.27	6.02	3.64	1.04	95.29	5.97	4.05	1.03	93.38	5.94	4.47	1.02	92.47	
		20	-	-	-	-	6.77	3.22	1.17	116.28	6.74	3.65	1.16	115.15	6.7	4.07	1.15	113.98	6.66	4.48	1.15	112.85	
	6	15	2.97	2.52	0.42	20.49	3.19	3	0.46	23.22	3.5	3.47	0.5	27.15	3.91	3.91	0.56	33.04	4.33	4.33	0.62	39.1	
		17	4.26	2.57	0.61	37.82	4.23	2.99	0.61	37.39	4.22	3.42	0.6	37.3	4.32	3.86	0.62	38.77	4.51	4.32	0.65	42.02	
		19	-	-	-	-	5.67	3.04	0.82	62.3	5.64	3.47	0.81	61.69	5.6	3.89	0.81	61.07	5.56	4.29	0.8	60.03	
		20	-	-	-	-	6.4	3.06	0.92	76.44	6.37	3.48	0.91	75.88	6.34	3.9	0.91	75.38	6.3	4.32	0.91	74.63	
7	3	15	3.17	2.63	0.91	75.45	3.25	3.07	0.94	78.68	3.51	3.51	1.01	90.16	3.94	3.94	1.14	111.46	4.35	4.35	1.26	131.26	
		17	4.47	2.65	1.3	139.4	4.43	3.08	1.28	135.58	4.4	3.5	1.28	134.71	4.39	3.92	1.28	134.73	4.48	4.35	1.31	139.99	
		19	-	-	-	-	5.8	3.09	1.69	219.57	5.76	3.52	1.68	217.44	5.73	3.93	1.67	215.15	5.69	4.35	1.66	212.93	
		20	-	-	-	-	6.51	3.1	1.9	269.39	6.48	3.52	1.89	266.69	6.44	3.94	1.88	263.93	6.4	4.36	1.87	261.2	
	4	15	2.82	2.46	0.61	37.28	3.02	2.92	0.65	42.37	3.37	3.37	0.73	51.11	3.79	3.79	0.82	62.74	4.21	4.21	0.91	75	
		17	4.09	2.49	0.88	71.06	4.06	2.91	0.88	70.26	4.03	3.33	0.87	69.53	4.1	3.77	0.89	71.46	4.28	4.21	0.92	76.51	
		19	-	-	-	-	5.45	2.94	1.18	117.84	5.42	3.36	1.18	116.6	5.38	3.78	1.17	115.37	5.34	4.19	1.15	112.72	
		20	-	-	-	-	6.18	2.95	1.35	146.95	6.13	3.37	1.33	143.77	6.1	3.79	1.32	142.31	6.06	4.2	1.31	140.81	
	5	15	2.5	2.28	0.43	20.71	2.81	2.76	0.48	25.17	3.21	3.21	0.56	31.98	3.64	3.64	0.63	39.29	4.07	4.07	0.7	47.85	
		17	3.65	2.3	0.63	39.36	3.62	2.72	0.62	38.86	3.68	3.16	0.63	39.88	3.84	3.62	0.66	43.36	4.1	4.07	0.71	48.51	
		19	-	-	-	-	5.05	2.77	0.87	68.91	5.02	3.19	0.87	68.19	5	3.94	0.9	32	4.96	4.03	0.85	66.77	
		20	-	-	-	-	5.8	2.79	1.01	88.32	5.77	3.21	1	87.41	5.73	3.63	0.99	86.51	5.7	4.05	0.99	85.61	
	6	15	2.23	2.11	0.32	11.33	2.6	2.59	0.37	16.02	3.05	3.05	0.44	21.22	3.49	3.49	0.5	26.77	3.91	3.91	0.56	32.4	
		17	3.14	2.08	0.45	22.27	3.19	2.53	0.46	22.99	3.36	3	0.48	25.08	3.6	3.46	0.52	28.08	3.93	3.92	0.56	32.58	
		19	-	-	-	-	4.62	2.59	0.67	43.3	4.6	3.01	0.66	42.83	4.57	3.43	0.66	42.34	4.6	3.86	0.66	42.92	
		20	-	-	-	-	5.38	2.61	0.78	56.25	5.35	3.04	0.77	55.66	5.32	3.46	0.77	55.08	5.29	3.87	0.76	54.5	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V600-CA																							
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	
9	3	15	2.31	2.21	0.67	43.65	2.65	2.65	0.76	54.6	3.09	3.09	0.9	71.88	3.51	3.51	1.02	89.92	3.92	3.92	1.13	108.04	
		17	3.45	2.21	1	87.18	3.41	2.63	0.99	84.61	3.43	3.07	1	86.55	3.58	3.51	1.04	93.24	3.93	3.93	1.14	108.32	
		19	-	-	-	-	4.8	2.65	1.39	153.84	4.76	3.08	1.38	152.08	4.73	3.5	1.37	150.45	4.7	3.91	1.36	148.77	
		20	-	-	-	-	5.52	2.66	1.6	196.45	5.48	3.09	1.59	194.38	5.45	3.51	1.58	192.32	5.42	3.92	1.57	190.32	
	4	15	2.09	2.05	0.45	22.07	2.5	2.5	0.54	29.92	2.94	2.94	0.63	39.4	3.36	3.36	0.73	49.8	3.78	3.78	0.82	61.05	
		17	3.01	2.03	0.65	41.49	3.01	2.46	0.65	41.54	3.15	2.91	0.68	44.81	3.4	3.37	0.74	51.13	3.79	3.79	0.82	61.21	
		19	-	-	-	-	4.4	2.49	0.95	79.26	4.37	2.91	0.94	78.33	4.34	3.33	0.94	77.4	4.35	3.76	0.94	77.52	
		20	-	-	-	-	5.14	2.5	1.11	103.88	5.11	2.93	1.1	102.75	5.08	3.35	1.1	101.64	5.05	3.77	1.1	101.28	
	5	15	1.88	1.87	0.32	11.86	2.33	2.33	0.4	18.1	2.78	2.78	0.48	24.37	3.21	3.21	0.55	31.24	3.64	3.64	0.63	39.04	
		17	2.48	1.81	0.43	20.07	2.64	2.28	0.45	22.3	2.89	2.76	0.5	26.07	3.22	3.22	0.56	31.4	3.65	3.65	0.63	39.14	
		19	-	-	-	-	3.96	2.31	0.68	44.53	3.93	2.73	0.68	43.99	3.93	3.16	0.68	44.03	4.03	3.6	0.7	46.06	
		20	-	-	-	-	4.71	2.33	0.81	60.31	4.68	2.76	0.81	59.63	4.65	3.18	0.8	58.97	4.62	3.6	0.8	58.33	
	6	15	1.72	1.71	0.25	5.87	2.15	2.15	0.31	10.69	2.6	2.6	0.37	15.95	3.05	3.05	0.44	20.89	3.49	3.49	0.5	26.34	
		17	2.02	1.61	0.29	9.22	2.31	2.1	0.33	12.63	2.66	2.59	0.38	16.49	3.06	3.05	0.44	20.93	3.49	3.49	0.5	26.38	
		19	-	-	-	-	3.43	2.1	0.49	25.41	3.43	2.54	0.49	25.4	3.55	2.99	0.51	26.95	3.75	3.45	0.54	29.67	
		20	-	-	-	-	4.24	2.14	0.61	36.75	4.21	2.57	0.61	36.33	4.18	2.99	0.6	35.88	4.23	3.43	0.61	36.54	
11	3	15	1.78	1.78	0.51	26.81	2.22	2.22	0.64	39.69	2.66	2.66	0.77	53.94	3.08	3.08	0.89	69.86	3.5	3.5	1.01	87.34	
		17	2.32	1.75	0.67	42.77	2.42	2.2	0.69	45.26	2.67	2.66	0.77	54.56	3.09	3.09	0.89	70.04	3.51	3.51	1.01	87.57	
		19	-	-	-	-	3.72	2.21	1.08	97.11	3.7	2.64	1.07	95.91	3.67	3.06	1.06	94.87	3.75	3.49	1.08	98.19	
		20	-	-	-	-	4.45	2.22	1.28	131.67	4.43	2.65	1.28	131.71	4.4	3.07	1.27	130.32	4.37	3.49	1.27	128.73	
	4	15	1.6	1.6	0.34	13.63	2.06	2.06	0.44	21.02	2.51	2.51	0.54	29.37	2.94	2.94	0.63	38.69	3.36	3.36	0.73	49.12	
		17	1.88	1.56	0.4	17.93	2.15	2.04	0.46	22.58	2.51	2.51	0.54	29.43	2.94	2.94	0.63	38.78	3.37	3.37	0.73	49.25	
		19	-	-	-	-	3.26	2.03	0.7	45.9	3.23	2.46	0.69	45.35	3.32	2.91	0.72	48.01	3.5	3.35	0.76	52.61	
		20	-	-	-	-	4.02	2.05	0.87	66.88	4	2.48	0.86	66.1	3.97	2.91	0.86	65.27	3.97	3.33	0.86	65.45	
	5	15	1.44	1.44	0.25	6.15	1.88	1.88	0.32	12.16	2.34	2.34	0.4	17.97	2.79	2.79	0.48	24.13	3.22	3.22	0.55	30.61	
		17	1.55	1.38	0.27	7.54	1.91	1.88	0.33	12.56	2.34	2.34	0.4	17.99	2.79	2.79	0.48	24.18	3.22	3.22	0.55	30.69	
		19	-	-	-	-	2.71	1.83	0.47	22.96	2.81	2.28	0.49	24.49	3.01	2.75	0.52	27.36	3.29	3.21	0.56	31.83	
		20	-	-	-	-	3.52	1.86	0.6	35.62	3.49	2.29	0.6	35.11	3.5	2.73	0.6	35.38	3.63	3.17	0.62	37.57	
	6	15	1.28	1.28	0.18	3	1.72	1.72	0.25	6.08	2.16	2.16	0.31	10.92	2.62	2.62	0.38	15.86	3.06	3.06	0.44	20.69	
		17	1.34	1.25	0.19	3.23	1.72	1.72	0.25	6.15	2.16	2.16	0.31	10.95	2.62	2.62	0.38	15.9	3.07	3.07	0.44	20.74	
		19	-	-	-	-	2.14	1.6	0.31	10.79	2.42	2.1	0.35	13.77	2.75	2.59	0.39	17.19	3.1	3.06	0.44	21.09	
		20	-	-	-	-	2.91	1.64	0.42	18.9	2.93	2.08	0.42	19.16	3.1	2.55	0.44	21.05	3.33	3.02	0.48	23.81	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V600-CA																							
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	
13	3	15	1.33	1.33	0.38	16.27	1.78	1.78	0.51	26.59	2.22	2.22	0.63	38.53	2.65	2.65	0.76	52.29	3.07	3.07	0.88	67.69	
		17	1.38	1.32	0.4	17.26	1.78	1.78	0.51	26.59	2.22	2.22	0.64	38.63	2.65	2.65	0.76	52.42	3.08	3.08	0.88	67.86	
		19	-	-	-	-	2.51	1.75	0.72	48.31	2.56	2.19	0.73	49.06	2.74	2.64	0.79	55.53	3.08	3.07	0.88	67.92	
		20	-	-	-	-	3.28	1.77	0.95	76.65	3.25	2.2	0.94	75.63	3.24	2.63	0.93	74.9	3.33	3.07	0.96	78.66	
	4	15	1.15	1.15	0.25	6.26	1.61	1.61	0.34	13.59	2.07	2.07	0.45	20.98	2.5	2.5	0.54	28.84	2.94	2.94	0.63	38.3	
		17	1.16	1.15	0.25	6.34	1.61	1.61	0.35	13.62	2.07	2.07	0.45	21.03	2.51	2.51	0.54	28.91	2.94	2.94	0.63	38.39	
		19	-	-	-	-	2.01	1.56	0.43	19.99	2.24	2.04	0.48	24.09	2.54	2.5	0.55	29.58	2.95	2.94	0.64	38.48	
		20	-	-	-	-	2.74	1.58	0.59	33.7	2.73	2.01	0.59	33.43	2.86	2.47	0.62	36.61	3.07	2.92	0.66	41.02	
	5	15	0.99	0.99	0.17	2.6	1.44	1.44	0.25	6.31	1.89	1.89	0.32	12.13	2.35	2.35	0.4	17.75	2.78	2.78	0.48	23.57	
		17	0.99	0.99	0.17	2.6	1.44	1.44	0.25	6.33	1.89	1.89	0.32	12.16	2.35	2.35	0.41	17.79	2.79	2.79	0.48	23.62	
		19	-	-	-	-	1.6	1.37	0.27	8.4	1.96	1.87	0.34	12.99	2.36	2.35	0.41	17.89	2.79	2.79	0.48	23.68	
		20	-	-	-	-	2.09	1.35	0.36	14.56	2.28	1.83	0.39	16.88	2.55	2.31	0.44	20.38	2.85	2.78	0.49	24.54	
	6	15	0.79	0.79	0.11	1.66	1.29	1.29	0.18	2.97	1.72	1.72	0.25	6.34	2.17	2.17	0.31	11.23	2.63	2.63	0.38	15.7	
		17	0.79	0.79	0.11	1.66	1.29	1.29	0.18	2.98	1.72	1.72	0.25	6.36	2.17	2.17	0.31	11.26	2.63	2.63	0.38	15.73	
		19	-	-	-	-	1.36	1.23	0.2	3.41	1.74	1.71	0.25	6.59	2.18	2.17	0.31	11.27	2.63	2.63	0.38	15.77	
		20	-	-	-	-	1.57	1.15	0.23	5.03	1.9	1.65	0.27	8.23	2.27	2.15	0.33	12.2	2.65	2.63	0.38	15.99	
15	3	15	0.87	0.87	0.25	6.47	1.33	1.33	0.38	16.08	1.78	1.78	0.51	25.96	2.22	2.22	0.63	37.86	2.64	2.64	0.76	51.48	
		17	0.87	0.87	0.25	6.49	1.34	1.34	0.38	16.12	1.78	1.78	0.51	26.02	2.22	2.22	0.63	37.96	2.65	2.65	0.76	51.64	
		19	-	-	-	-	1.43	1.32	0.41	17.97	1.78	1.78	0.51	26.07	2.22	2.22	0.64	38.06	2.65	2.65	0.76	51.8	
		20	-	-	-	-	1.91	1.29	0.55	29.39	2.04	1.75	0.58	32.7	2.28	2.21	0.65	39.83	2.65	2.65	0.76	51.76	
	4	15	0.7	0.7	0.15	2.17	1.15	1.15	0.25	6.53	1.62	1.62	0.35	13.64	2.07	2.07	0.44	20.46	2.5	2.5	0.54	28.73	
		17	0.7	0.7	0.15	2.17	1.15	1.15	0.25	6.55	1.62	1.62	0.35	13.67	2.07	2.07	0.44	20.51	2.51	2.51	0.54	28.8	
		19	-	-	-	-	1.17	1.15	0.25	6.81	1.62	1.62	0.35	13.67	2.07	2.07	0.44	20.56	2.51	2.51	0.54	28.87	
		20	-	-	-	-	1.39	1.09	0.3	10.37	1.73	1.59	0.37	15.24	2.09	2.07	0.45	20.82	2.51	2.51	0.54	28.91	
	5	15	0.48	0.48	0.08	1.17	1	1	0.17	2.61	1.44	1.44	0.25	6.67	1.9	1.9	0.33	12.21	2.35	2.35	0.41	17.54	
		17	0.48	0.48	0.08	1.17	1	1	0.17	2.62	1.44	1.44	0.25	6.7	1.9	1.9	0.33	12.24	2.35	2.35	0.41	17.58	
		19	-	-	-	-	1	1	0.17	2.63	1.44	1.44	0.25	6.72	1.91	1.91	0.33	12.27	2.36	2.36	0.41	17.62	
		20	-	-	-	-	1.09	0.94	0.19	3.15	1.47	1.43	0.25	7.08	1.9	1.9	0.33	12.28	2.36	2.36	0.41	17.65	
	6	15	-	-	-	-	0.8	0.8	0.12	1.6	1.29	1.29	0.19	3.07	1.72	1.72	0.25	6.68	2.18	2.18	0.31	11.15	
		17	-	-	-	-	0.8	0.8	0.12	1.61	1.29	1.29	0.19	3.08	1.73	1.73	0.25	6.7	2.18	2.18	0.31	11.17	
		19	-	-	-	-	0.8	0.8	0.12	1.61	1.29	1.29	0.19	3.09	1.73	1.73	0.25	6.72	2.18	2.18	0.31	11.2	
		20	-	-	-	-	0.82	0.78	0.12	1.65	1.3	1.29	0.19	3.13	1.73	1.73	0.25	6.72	2.18	2.18	0.31	11.22	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V700-CA																							
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	4.77	3.55	1.38	77.41	4.73	4.04	1.37	76.47	4.77	4.53	1.38	77.69	5.02	5.02	1.44	83.85	5.5	5.5	1.58	98.12	
		17	6.23	3.57	1.79	122.07	6.2	4.06	1.79	121.52	6.15	4.54	1.77	119.36	6.11	5.01	1.76	118.04	6.08	5.49	1.76	117.9	
		19	-	-	-	-	7.71	4.09	2.08	157.9	7.7	4.55	2.22	177.18	7.66	5.03	2.21	175.33	7.61	5.5	2.2	173.47	
		20	-	-	-	-	8.58	4.08	2.48	213.78	8.53	4.56	2.46	211.53	8.48	5.04	2.45	209.24	8.42	5.51	2.43	207.02	
	4	15	4.33	3.34	0.93	39.42	4.34	3.84	0.93	39.64	4.5	4.35	0.97	42	4.85	4.85	1.04	47.88	5.34	5.34	1.15	56.85	
		17	5.82	3.38	1.25	65.43	5.79	3.87	1.24	64.7	5.76	4.35	1.24	64.68	5.72	4.83	1.24	64	5.75	5.31	1.24	64.61	
		19	-	-	-	-	7.38	3.9	1.6	99.69	7.34	4.38	1.59	98.64	7.28	4.85	1.57	96.45	7.24	5.33	1.57	96.52	
		20	-	-	-	-	8.21	3.9	1.77	118.95	8.16	4.39	1.76	117.71	8.11	4.87	1.75	116.44	8.06	5.34	1.74	115.18	
	5	15	3.82	3.11	0.66	21.65	3.97	3.64	0.68	23.09	4.24	4.17	0.73	25.89	4.68	4.68	0.81	30.81	5.16	5.16	0.89	36.45	
		17	5.38	3.17	0.93	39.03	5.35	3.66	0.92	38.59	5.31	4.15	0.92	38.13	5.32	4.63	0.92	38.3	5.45	5.14	0.94	39.9	
		19	-	-	-	-	6.96	3.7	1.2	60.28	6.91	4.19	1.19	59.62	6.87	4.66	1.18	58.98	6.83	5.14	1.18	58.52	
		20	-	-	-	-	7.8	3.72	1.34	73.62	7.76	4.2	1.34	73.05	7.72	4.69	1.33	72.62	7.67	5.16	1.32	71.86	
	6	15	3.41	2.9	0.49	11.54	3.65	3.44	0.52	13.74	4	3.97	0.57	16.75	4.48	4.48	0.64	20.78	4.97	4.97	0.71	24.8	
		17	4.85	2.93	0.69	23.67	4.81	3.42	0.69	23.38	4.81	3.92	0.69	23.4	4.94	4.43	0.71	24.43	5.16	4.95	0.74	26.34	
		19	-	-	-	-	6.49	3.49	0.93	38.95	6.45	3.98	0.92	38.52	6.41	4.46	0.92	38.1	6.37	4.93	0.91	37.67	
		20	-	-	-	-	7.37	3.52	1.06	48.7	7.32	4.01	1.05	48.18	7.28	4.49	1.05	47.68	7.23	4.96	1.04	47.17	
7	3	15	3.65	3.03	1.05	47.69	3.74	3.54	1.08	49.8	4.05	4.05	1.17	57.49	4.54	4.54	1.32	70.43	5.01	5.01	1.46	83.81	
		17	5.15	3.06	1.49	87.66	5.12	3.55	1.49	86.72	5.08	4.04	1.48	85.73	5.06	4.52	1.47	85.08	5.16	5.01	1.49	87.67	
		19	-	-	-	-	6.68	3.57	1.93	137.02	6.64	4.06	1.92	135.51	6.6	4.54	1.92	134.71	6.57	5.01	1.91	134.55	
		20	-	-	-	-	7.53	3.58	2.2	170.86	7.48	4.07	2.18	168.91	7.43	4.55	2.17	167.07	7.38	5.02	2.15	165.25	
	4	15	3.23	2.83	0.69	23.54	3.47	3.36	0.75	26.57	3.88	3.88	0.84	32.49	4.36	4.36	0.94	39.39	4.85	4.85	1.05	47.66	
		17	4.7	2.86	1.02	45.1	4.67	3.35	1.01	44.56	4.64	3.84	1	44.1	4.72	4.34	1.02	45.4	4.93	4.85	1.07	48.94	
		19	-	-	-	-	6.27	3.39	1.36	74.07	6.23	3.87	1.35	73.25	6.19	4.36	1.34	72.42	6.15	4.83	1.33	71.61	
		20	-	-	-	-	7.12	3.4	1.55	92.63	7.08	3.89	1.54	91.62	7.03	4.37	1.53	90.6	6.99	4.85	1.52	89.59	
	5	15	2.86	2.62	0.49	11.99	3.21	3.17	0.55	15.7	3.69	3.69	0.63	20.12	4.19	4.19	0.72	24.96	4.68	4.68	0.81	30.39	
		17	4.17	2.63	0.72	24.7	4.13	3.12	0.71	24.38	4.21	3.63	0.72	25.15	4.41	4.16	0.76	27.44	4.71	4.68	0.81	30.77	
		19	-	-	-	-	5.81	3.19	1.01	44.01	5.78	3.68	1	43.52	5.7	4.46	0.99	25	5.7	4.64	0.99	42.59	
		20	-	-	-	-	6.66	3.2	1.15	55.23	6.62	3.69	1.14	54.62	6.58	4.18	1.13	54.03	6.53	4.65	1.13	53.43	
	6	15	2.62	2.46	0.38	5.88	3	2.99	0.43	8.52	3.49	3.49	0.5	12.54	3.99	3.99	0.57	16.76	4.49	4.49	0.65	20.63	
		17	3.54	2.37	0.51	13.14	3.61	2.89	0.52	13.74	3.81	3.43	0.55	15.3	4.11	3.97	0.59	17.72	4.5	4.5	0.65	20.72	
		19	-	-	-	-	5.29	2.96	0.76	27.2	5.25	3.45	0.76	26.88	5.21	3.94	0.75	26.57	5.27	4.43	0.76	27.04	
		20	-	-	-	-	6.16	2.99	0.88	35.18	6.12	3.48	0.88	34.78	6.08	3.97	0.87	34.4	6.04	4.44	0.87	33.99	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V700-CA																							
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	
9	3	15	2.66	2.54	0.77	27.69	3.06	3.06	0.88	34.71	3.56	3.56	1.03	45.58	4.04	4.04	1.16	56.1	4.52	4.52	1.3	68.16	
		17	3.96	2.54	1.14	54.12	3.93	3.03	1.13	53.39	3.95	3.53	1.14	53.85	4.12	4.04	1.19	58.08	4.53	4.53	1.3	68.34	
		19	-	-	-	-	5.53	3.06	1.6	96.76	5.49	3.55	1.59	95.65	5.45	4.03	1.58	94.49	5.42	4.51	1.57	94.31	
		20	-	-	-	-	6.38	3.08	1.86	126.05	6.34	3.57	1.85	124.58	6.29	4.05	1.83	123.14	6.25	4.53	1.83	122.12	
	4	15	2.39	2.35	0.52	13.67	2.87	2.87	0.62	19.13	3.38	3.38	0.73	25.32	3.87	3.87	0.83	31.63	4.36	4.36	0.94	38.73	
		17	3.44	2.32	0.75	26.05	3.45	2.83	0.75	26.2	3.61	3.35	0.78	28.01	3.9	3.87	0.84	32.07	4.37	4.37	0.94	38.83	
		19	-	-	-	-	5.07	2.87	1.09	50.08	5.03	3.36	1.08	49.48	4.99	3.84	1.08	48.85	5	4.33	1.08	49	
		20	-	-	-	-	5.92	2.88	1.28	65.57	5.88	3.37	1.27	64.81	5.84	3.86	1.26	64.06	5.8	4.34	1.25	63.32	
	5	15	2.19	2.18	0.38	6.11	2.67	2.67	0.46	10.46	3.18	3.18	0.55	15.38	3.69	3.69	0.64	19.85	4.19	4.19	0.72	24.58	
		17	2.8	2.06	0.48	11.77	3	2.61	0.52	13.67	3.3	3.16	0.57	16.42	3.7	3.7	0.64	19.93	4.19	4.19	0.72	24.64	
		19	-	-	-	-	4.53	2.65	0.78	28.18	4.5	3.14	0.78	27.78	4.5	3.64	0.78	27.88	4.63	4.14	0.8	29.1	
		20	-	-	-	-	5.43	2.68	0.94	38.5	5.38	3.17	0.93	37.84	5.34	3.66	0.92	37.38	5.31	4.14	0.92	36.97	
	6	15	2.01	2.01	0.29	3.29	2.51	2.51	0.36	5.47	3	3	0.43	8.82	3.49	3.49	0.5	12.83	4	4	0.57	16.61	
		17	2.4	1.88	0.34	4.87	2.69	2.44	0.39	6.62	3.05	2.98	0.44	9.24	3.5	3.49	0.5	12.86	4	4	0.57	16.66	
		19	-	-	-	-	3.87	2.39	0.56	15.65	3.88	2.9	0.56	15.75	4.04	3.42	0.58	16.88	4.28	3.96	0.61	18.65	
		20	-	-	-	-	4.83	2.45	0.69	22.81	4.79	2.94	0.69	22.52	4.76	3.43	0.68	22.24	4.82	3.93	0.69	22.77	
11	3	15	2.05	2.05	0.58	17.01	2.56	2.56	0.73	24.9	3.06	3.06	0.88	34.02	3.55	3.55	1.01	43.65	4.04	4.04	1.16	55.03	
		17	2.65	2.01	0.76	26.47	2.78	2.53	0.79	28.68	3.08	3.06	0.88	34.38	3.56	3.56	1.02	43.77	4.04	4.04	1.16	55.03	
		19	-	-	-	-	4.28	2.55	1.22	60.25	4.25	3.04	1.22	59.45	4.22	3.53	1.21	58.85	4.31	4.02	1.23	61.05	
		20	-	-	-	-	5.14	2.57	1.48	83.97	5.1	3.06	1.47	82.94	5.07	3.54	1.46	81.92	5.02	4.02	1.44	79.57	
	4	15	1.85	1.85	0.4	7.25	2.36	2.36	0.51	13.16	2.88	2.88	0.62	18.61	3.38	3.38	0.72	24.47	3.87	3.87	0.83	31.01	
		17	2.13	1.78	0.46	10.5	2.46	2.34	0.53	14.18	2.88	2.88	0.62	18.64	3.38	3.38	0.73	24.53	3.88	3.88	0.83	31.1	
		19	-	-	-	-	3.74	2.33	0.8	29.02	3.71	2.83	0.8	28.69	3.81	3.34	0.82	30.11	4.03	3.86	0.87	33.19	
		20	-	-	-	-	4.62	2.36	0.99	41.68	4.58	2.85	0.98	41.15	4.55	3.34	0.98	40.58	4.56	3.83	0.98	40.84	
	5	15	1.69	1.69	0.29	3.31	2.18	2.18	0.38	6.35	2.68	2.68	0.46	10.81	3.2	3.2	0.55	15.31	3.7	3.7	0.64	19.61	
		17	1.84	1.62	0.32	3.99	2.22	2.17	0.38	6.62	2.68	2.68	0.46	10.84	3.2	3.2	0.55	15.34	3.7	3.7	0.64	19.66	
		19	-	-	-	-	3.04	2.07	0.52	13.88	3.2	2.61	0.55	15.3	3.45	3.16	0.59	17.42	3.78	3.69	0.65	20.33	
		20	-	-	-	-	4.02	2.14	0.69	22.56	3.99	2.63	0.69	22.22	4.01	3.13	0.69	22.48	4.16	3.65	0.72	23.95	
	6	15	1.49	1.49	0.21	2.22	2.02	2.02	0.29	3.29	2.51	2.51	0.36	5.64	3	3	0.43	9.06	3.5	3.5	0.5	12.86	
		17	1.55	1.45	0.22	2.31	2.03	2.02	0.29	3.33	2.51	2.51	0.36	5.66	3	3	0.43	9.09	3.51	3.51	0.5	12.9	
		19	-	-	-	-	2.51	1.86	0.36	5.67	2.78	2.41	0.4	7.5	3.13	2.96	0.45	10.06	3.53	3.5	0.51	13.09	
		20	-	-	-	-	3.23	1.85	0.46	10.92	3.28	2.37	0.47	11.3	3.5	2.91	0.5	12.84	3.79	3.46	0.54	14.94	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V700-CA																								
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
13	3	15	1.53	1.53	0.44	9.66	2.05	2.05	0.59	17.02	2.56	2.56	0.74	24.82	3.05	3.05	0.87	33.22	3.54	3.54	1.02	43.17
		17	1.57	1.51	0.45	10.37	2.05	2.05	0.59	17.03	2.56	2.56	0.74	24.89	3.06	3.06	0.87	33.31	3.55	3.55	1.02	43.29
		19	-	-	-	-	2.87	2.01	0.82	29.84	2.94	2.52	0.84	31.04	3.16	3.05	0.9	35.23	3.55	3.55	1.02	43.33
		20	-	-	-	-	3.77	2.04	1.09	48.34	3.74	2.53	1.08	47.66	3.72	3.03	1.07	47.26	3.83	3.53	1.09	48.95
	4	15	1.36	1.36	0.29	3.35	1.85	1.85	0.4	7.53	2.37	2.37	0.51	13.13	2.88	2.88	0.62	18.53	3.38	3.38	0.73	24.32
		17	1.37	1.36	0.29	3.4	1.85	1.85	0.4	7.55	2.37	2.37	0.51	13.17	2.89	2.89	0.62	18.58	3.38	3.38	0.73	24.38
		19	-	-	-	-	2.26	1.78	0.49	12.11	2.56	2.34	0.55	15.17	2.92	2.88	0.63	18.97	3.39	3.39	0.73	24.45
		20	-	-	-	-	3.14	1.81	0.68	21.41	3.13	2.31	0.68	21.31	3.28	2.84	0.71	23.11	3.54	3.37	0.76	26.24
	5	15	1.15	1.15	0.2	1.97	1.69	1.69	0.29	3.29	2.18	2.18	0.37	6.49	2.68	2.68	0.46	10.87	3.2	3.2	0.55	15.09
		17	1.15	1.15	0.2	1.97	1.69	1.69	0.29	3.3	2.18	2.18	0.37	6.51	2.69	2.69	0.46	10.91	3.2	3.2	0.55	15.13
		19	-	-	-	-	1.89	1.6	0.32	4.4	2.26	2.15	0.39	7.13	2.69	2.69	0.46	10.96	3.21	3.21	0.55	15.17
		20	-	-	-	-	2.34	1.53	0.4	7.92	2.57	2.09	0.44	9.91	2.89	2.64	0.5	12.61	3.27	3.2	0.56	15.68
	6	15	0.92	0.92	0.13	1.29	1.49	1.49	0.21	2.11	2.02	2.02	0.29	3.3	2.51	2.51	0.36	5.85	3	3	0.43	9.42
		17	0.92	0.92	0.13	1.29	1.5	1.5	0.21	2.11	2.02	2.02	0.29	3.31	2.51	2.51	0.36	5.87	3.01	3.01	0.43	9.45
		19	-	-	-	-	1.59	1.44	0.23	2.24	2.06	2	0.29	3.44	2.51	2.51	0.36	5.88	3.01	3.01	0.43	9.49
		20	-	-	-	-	1.88	1.35	0.27	2.82	2.24	1.92	0.32	4.31	2.61	2.47	0.37	6.53	3.03	3.01	0.44	9.62
15	3	15	1.02	1.02	0.29	3.34	1.52	1.52	0.43	9.67	2.05	2.05	0.59	16.77	2.55	2.55	0.73	24.05	3.05	3.05	0.87	32.6
		17	1.02	1.02	0.29	3.35	1.52	1.52	0.44	9.69	2.05	2.05	0.59	16.81	2.56	2.56	0.73	24.11	3.05	3.05	0.87	32.68
		19	-	-	-	-	1.62	1.5	0.46	10.96	2.06	2.05	0.59	16.83	2.56	2.56	0.73	24.17	3.06	3.06	0.87	32.77
		20	-	-	-	-	2.2	1.48	0.63	18.82	2.34	2.01	0.67	20.85	2.63	2.55	0.75	25.26	3.05	3.05	0.87	32.75
	4	15	0.81	0.81	0.17	1.68	1.35	1.35	0.29	3.36	1.85	1.85	0.4	7.79	2.37	2.37	0.51	13.14	2.88	2.88	0.62	18.05
		17	0.82	0.82	0.17	1.68	1.36	1.36	0.29	3.37	1.85	1.85	0.4	7.82	2.38	2.38	0.51	13.17	2.88	2.88	0.62	18.1
		19	-	-	-	-	1.38	1.34	0.3	3.53	1.85	1.85	0.4	7.82	2.38	2.38	0.51	13.21	2.89	2.89	0.62	18.15
		20	-	-	-	-	1.6	1.26	0.34	5.32	1.96	1.82	0.42	8.97	2.4	2.38	0.52	13.35	2.89	2.89	0.62	18.17
	5	15	0.56	0.56	0.1	0.9	1.16	1.16	0.2	1.9	1.69	1.69	0.29	3.43	2.18	2.18	0.38	6.83	2.69	2.69	0.46	11.05
		17	0.56	0.56	0.1	0.91	1.16	1.16	0.2	1.9	1.69	1.69	0.29	3.44	2.19	2.19	0.38	6.85	2.7	2.7	0.46	11.08
		19	-	-	-	-	1.17	1.16	0.2	1.91	1.7	1.7	0.29	3.45	2.19	2.19	0.38	6.88	2.7	2.7	0.47	11.11
		20	-	-	-	-	1.27	1.1	0.22	2.07	1.73	1.67	0.3	3.67	2.19	2.18	0.38	6.88	2.7	2.7	0.47	11.13
	6	15	-	-	-	-	0.93	0.93	0.13	1.24	1.5	1.5	0.22	2.02	2.02	2.02	0.29	3.42	2.51	2.51	0.36	6.14
		17	-	-	-	-	0.93	0.93	0.13	1.24	1.5	1.5	0.22	2.03	2.02	2.02	0.29	3.43	2.51	2.51	0.36	6.16
		19	-	-	-	-	0.93	0.93	0.13	1.24	1.51	1.51	0.22	2.03	2.03	2.03	0.29	3.45	2.51	2.51	0.36	6.18
		20	-	-	-	-	0.96	0.9	0.14	1.28	1.52	1.5	0.22	2.04	2.03	2.02	0.29	3.45	2.52	2.52	0.36	6.2

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V800-CA																							
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	5.4	4.04	1.55	95.11	5.37	4.6	1.54	94	5.42	5.17	1.56	95.84	5.74	5.74	1.66	107.19	6.28	6.28	1.82	125.72	
		17	7.08	4.06	2.04	153.12	7.04	4.62	2.03	151.49	7	5.18	2.02	149.9	6.96	5.73	2.01	149.04	6.92	6.27	1.99	146.9	
		19	-	-	-	-	8.83	4.64	2.55	224.67	8.78	5.19	2.53	222.43	8.73	5.74	2.52	220.23	8.68	6.29	2.5	217.98	
		20	-	-	-	-	9.78	4.65	2.82	268.48	9.72	5.2	2.8	265.76	9.67	5.75	2.79	263.1	9.61	6.3	2.77	260.51	
	4	15	4.9	3.8	1.05	48.53	4.92	4.38	1.06	48.88	5.12	4.96	1.1	52.51	5.54	5.54	1.2	60.65	6.09	6.09	1.31	70.7	
		17	6.61	3.84	1.42	81.49	6.57	4.4	1.41	80.61	6.53	4.96	1.4	79.78	6.49	5.5	1.4	78.89	6.53	6.06	1.41	79.83	
		19	-	-	-	-	8.39	4.43	1.81	124.07	8.34	4.99	1.81	123.39	8.29	5.54	1.79	120.88	8.24	6.08	1.78	119.68	
		20	-	-	-	-	9.35	4.44	2.03	150.93	9.3	5	2.02	149.44	9.23	5.55	1.99	146.27	9.18	6.09	1.98	144.79	
	5	15	4.33	3.54	0.74	26.7	4.51	4.15	0.78	28.88	4.83	4.76	0.83	32.51	5.33	5.33	0.92	38.5	5.89	5.89	1.01	45.25	
		17	6.09	3.6	1.05	47.85	6.05	4.16	1.04	47.33	6.01	4.72	1.03	46.78	6.03	5.28	1.04	47.1	6.19	5.86	1.06	49.25	
		19	-	-	-	-	7.89	4.2	1.36	74.93	7.85	4.76	1.35	74.17	7.8	5.31	1.34	73.62	7.76	5.86	1.34	73.05	
		20	-	-	-	-	8.86	4.22	1.53	91.61	8.81	4.78	1.52	90.7	8.76	5.33	1.51	89.78	8.71	5.88	1.5	88.89	
	6	15	3.81	3.27	0.55	15.2	4.12	3.9	0.59	17.75	4.55	4.53	0.65	21.31	5.11	5.11	0.73	25.91	5.68	5.68	0.82	31.22	
		17	5.5	3.33	0.79	29.48	5.46	3.9	0.78	29.15	5.46	4.46	0.78	29.16	5.61	5.05	0.81	30.52	5.87	5.65	0.84	33.02	
		19	-	-	-	-	7.37	3.97	1.06	48.68	7.32	4.53	1.05	48.18	7.28	5.08	1.05	47.69	7.24	5.63	1.04	47.18	
		20	-	-	-	-	8.35	3.99	1.2	60.02	8.3	4.55	1.19	59.55	8.25	5.1	1.18	58.76	8.2	5.65	1.17	58.16	
7	3	15	4.14	3.45	1.19	59.17	4.25	4.04	1.23	62.52	4.62	4.62	1.34	72.7	5.18	5.18	1.49	87.6	5.72	5.72	1.65	104.31	
		17	5.84	3.48	1.69	107.95	5.8	4.04	1.67	106.71	5.76	4.6	1.66	105.54	5.74	5.15	1.66	104.83	5.88	5.72	1.71	110.72	
		19	-	-	-	-	7.62	4.07	2.22	174.38	7.57	4.63	2.21	172.6	7.53	5.18	2.2	170.84	7.48	5.73	2.18	168.95	
		20	-	-	-	-	8.56	4.08	2.5	213.96	8.51	4.64	2.48	211.74	8.46	5.18	2.47	209.48	8.41	5.74	2.45	207.33	
	4	15	3.66	3.22	0.79	29.43	3.94	3.83	0.85	33.37	4.42	4.42	0.96	40.6	4.98	4.98	1.08	49.89	5.53	5.53	1.2	59.81	
		17	5.32	3.25	1.15	55.66	5.29	3.82	1.15	55.23	5.26	4.38	1.14	54.71	5.35	4.95	1.15	55.84	5.61	5.53	1.22	61.26	
		19	-	-	-	-	7.13	3.85	1.55	92.76	7.09	4.41	1.54	91.8	7.04	4.97	1.53	90.83	7	5.51	1.52	89.84	
		20	-	-	-	-	8.09	3.87	1.76	115.8	8.03	4.42	1.74	113.14	7.98	4.98	1.73	111.99	7.94	5.52	1.72	110.84	
	5	15	3.22	2.97	0.55	15.81	3.64	3.61	0.63	19.72	4.2	4.2	0.72	25.07	4.77	4.77	0.83	31.44	5.33	5.33	0.92	37.68	
		17	4.73	2.99	0.82	30.83	4.69	3.56	0.81	30.44	4.78	4.14	0.83	31.42	5	4.74	0.86	33.73	5.36	5.33	0.92	38.07	
		19	-	-	-	-	6.57	3.61	1.13	53.94	6.53	4.17	1.13	53.35	6.5	5.02	1.13	29	6.46	5.28	1.11	52.29	
		20	-	-	-	-	7.55	3.63	1.3	68.61	7.51	4.2	1.29	67.92	7.46	4.75	1.29	67.17	7.42	5.3	1.28	66.48	
	6	15	2.91	2.76	0.42	7.82	3.38	3.37	0.48	11.61	3.96	3.96	0.57	16.51	4.55	4.55	0.65	21.05	5.12	5.12	0.74	25.84	
		17	3.97	2.68	0.57	16.59	4.07	3.28	0.58	17.31	4.32	3.9	0.62	19.29	4.68	4.52	0.67	22.05	5.13	5.13	0.74	25.93	
		19	-	-	-	-	5.97	3.36	0.86	33.23	5.93	3.92	0.85	32.85	5.89	4.48	0.84	32.51	5.96	5.05	0.85	33.16	
		20	-	-	-	-	6.99	3.4	1.01	43.87	6.95	3.96	1	43.41	6.9	4.52	0.99	42.95	6.86	5.07	0.99	42.48	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V800-CA																							
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	
9	3	15	3.01	2.89	0.87	33.77	3.49	3.49	1.01	44.04	4.05	4.05	1.17	56.34	4.62	4.62	1.34	71.62	5.17	5.17	1.5	87.1	
		17	4.49	2.89	1.29	67.22	4.46	3.45	1.28	66.34	4.48	4.02	1.29	67.01	4.7	4.61	1.36	73.79	5.18	5.18	1.5	87.32	
		19	-	-	-	-	6.28	3.48	1.82	121.19	6.26	4.05	1.83	122.02	6.2	4.6	1.79	118.44	6.16	5.15	1.79	117.61	
		20	-	-	-	-	7.24	3.5	2.1	155.72	7.2	4.06	2.09	154	7.15	4.61	2.07	152.27	7.11	5.16	2.06	150.67	
	4	15	2.7	2.67	0.58	17.2	3.27	3.27	0.71	23.95	3.85	3.85	0.83	31.25	4.41	4.41	0.95	39.56	4.97	4.97	1.07	48.56	
		17	3.88	2.63	0.84	31.61	3.89	3.21	0.84	31.86	4.09	3.82	0.88	34.73	4.44	4.42	0.96	40.03	4.98	4.98	1.07	48.68	
		19	-	-	-	-	5.74	3.26	1.24	62.09	5.7	3.82	1.23	61.39	5.66	4.37	1.22	60.64	5.67	4.94	1.22	60.92	
		20	-	-	-	-	6.71	3.28	1.45	81.64	6.67	3.84	1.44	80.73	6.63	4.4	1.43	79.87	6.59	4.95	1.42	78.96	
	5	15	2.45	2.44	0.42	8.3	3.03	3.03	0.52	14.1	3.62	3.62	0.62	19.23	4.2	4.2	0.72	24.74	4.77	4.77	0.82	30.7	
		17	3.16	2.34	0.54	15.17	3.39	2.97	0.58	17.15	3.75	3.6	0.65	20.35	4.21	4.21	0.73	24.82	4.78	4.78	0.82	30.77	
		19	-	-	-	-	5.12	3.01	0.88	34.74	5.09	3.57	0.88	34.3	5.1	4.14	0.88	34.45	5.25	4.73	0.91	36.26	
		20	-	-	-	-	6.13	3.04	1.06	47.08	6.09	3.6	1.05	46.55	6.05	4.16	1.04	46.03	6.01	4.72	1.04	45.55	
	6	15	2.25	2.25	0.32	4.13	2.81	2.81	0.4	7.45	3.38	3.38	0.49	11.96	3.97	3.97	0.57	16.44	4.55	4.55	0.65	20.72	
		17	2.63	2.1	0.38	6.26	2.99	2.74	0.43	8.81	3.43	3.37	0.49	12.36	3.98	3.98	0.57	16.46	4.56	4.56	0.65	20.77	
		19	-	-	-	-	4.37	2.71	0.63	19.27	4.39	3.29	0.63	19.38	4.57	3.9	0.66	20.82	4.86	4.51	0.7	23.09	
		20	-	-	-	-	5.45	2.77	0.78	28.08	5.41	3.34	0.78	27.74	5.38	3.9	0.77	27.39	5.46	4.48	0.78	28.12	
11	3	15	2.33	2.33	0.66	21.16	2.91	2.91	0.83	31.03	3.49	3.49	1	42.87	4.05	4.05	1.16	55.02	4.61	4.61	1.33	69.47	
		17	2.99	2.28	0.85	32.49	3.15	2.89	0.9	35.79	3.5	3.49	1	42.85	4.06	4.06	1.16	55	4.62	4.62	1.33	69.66	
		19	-	-	-	-	4.85	2.9	1.39	74.87	4.82	3.46	1.38	73.97	4.79	4.02	1.37	73.26	4.9	4.59	1.4	76.26	
		20	-	-	-	-	5.83	2.92	1.69	104.82	5.79	3.48	1.68	103.58	5.75	4.04	1.66	102.38	5.7	4.59	1.64	99.79	
	4	15	2.08	2.08	0.45	9.9	2.69	2.69	0.58	16.55	3.28	3.28	0.7	23.19	3.85	3.85	0.83	30.7	4.41	4.41	0.95	38.81	
		17	2.4	2.02	0.51	13.55	2.78	2.66	0.6	17.58	3.28	3.27	0.7	23.21	3.86	3.86	0.83	30.77	4.42	4.42	0.95	38.87	
		19	-	-	-	-	4.23	2.65	0.91	36.16	4.2	3.22	0.91	35.78	4.32	3.81	0.93	37.57	4.58	4.4	0.98	41.09	
		20	-	-	-	-	5.24	2.68	1.13	52.27	5.2	3.25	1.12	51.63	5.16	3.81	1.11	50.94	5.18	4.38	1.12	51.3	
	5	15	1.89	1.89	0.33	4.28	2.45	2.45	0.42	8.67	3.04	3.04	0.52	13.92	3.64	3.64	0.63	19.06	4.21	4.21	0.73	24.47	
		17	2.02	1.82	0.35	5.18	2.48	2.44	0.43	8.94	3.05	3.04	0.52	13.95	3.64	3.64	0.63	19.1	4.22	4.22	0.73	24.52	
		19	-	-	-	-	3.45	2.36	0.59	17.39	3.62	2.98	0.62	18.84	3.91	3.6	0.67	21.53	4.3	4.21	0.74	25.27	
		20	-	-	-	-	4.52	2.41	0.78	27.34	4.49	2.98	0.77	27.09	4.52	3.56	0.78	27.33	4.71	4.16	0.81	29.31	
	6	15	1.67	1.67	0.24	2.48	2.26	2.26	0.32	4.29	2.81	2.81	0.4	7.7	3.4	3.4	0.49	12.1	3.99	3.99	0.57	16.31	
		17	1.73	1.62	0.25	2.57	2.27	2.26	0.33	4.33	2.82	2.82	0.4	7.73	3.4	3.4	0.49	12.13	4	4	0.57	16.35	
		19	-	-	-	-	2.75	2.08	0.39	7.32	3.1	2.72	0.44	9.9	3.53	3.37	0.51	13.06	4.02	4	0.58	16.53	
		20	-	-	-	-	3.64	2.09	0.52	13.81	3.72	2.69	0.53	14.41	3.97	3.32	0.57	16.11	4.3	3.94	0.62	18.48	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V800-CA																							
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	
13	3	15	1.73	1.73	0.5	12.62	2.33	2.33	0.67	21.19	2.91	2.91	0.83	30.56	3.48	3.48	1	41.88	4.04	4.04	1.16	53.84	
		17	1.77	1.71	0.51	13.08	2.33	2.33	0.67	21.2	2.91	2.91	0.83	30.63	3.49	3.49	1	41.98	4.05	4.05	1.16	53.97	
		19	-	-	-	-	3.24	2.28	0.93	36.79	3.33	2.87	0.95	38.41	3.6	3.48	1.04	44.52	4.05	4.04	1.16	54.03	
		20	-	-	-	-	4.26	2.31	1.22	58.85	4.22	2.88	1.21	58.02	4.2	3.45	1.2	57.62	4.35	4.03	1.26	61.98	
	4	15	1.52	1.52	0.33	4.44	2.09	2.09	0.45	10.19	2.7	2.7	0.58	16.55	3.28	3.28	0.71	23.11	3.85	3.85	0.83	30.06	
		17	1.52	1.51	0.33	4.49	2.09	2.09	0.45	10.22	2.7	2.7	0.58	16.59	3.29	3.29	0.71	23.17	3.85	3.85	0.83	30.14	
		19	-	-	-	-	2.57	2.03	0.55	15.22	2.9	2.66	0.63	18.72	3.32	3.28	0.72	23.58	3.86	3.86	0.83	30.21	
		20	-	-	-	-	3.54	2.05	0.76	26.28	3.53	2.63	0.76	26.19	3.7	3.23	0.79	28.14	4.01	3.84	0.86	32.22	
	5	15	1.29	1.29	0.22	2.2	1.88	1.88	0.32	4.37	2.45	2.45	0.42	8.85	3.05	3.05	0.52	13.83	3.64	3.64	0.63	18.8	
		17	1.29	1.28	0.22	2.2	1.89	1.89	0.32	4.39	2.46	2.46	0.42	8.88	3.06	3.06	0.52	13.86	3.65	3.65	0.63	18.85	
		19	-	-	-	-	2.08	1.79	0.36	5.73	2.53	2.43	0.43	9.52	3.06	3.06	0.53	13.9	3.65	3.65	0.63	18.9	
		20	-	-	-	-	2.6	1.73	0.45	10.19	2.89	2.37	0.5	12.59	3.29	3.02	0.57	15.78	3.72	3.64	0.64	19.45	
	6	15	1.02	1.02	0.15	1.42	1.67	1.67	0.24	2.37	2.26	2.26	0.32	4.4	2.82	2.82	0.4	8	3.41	3.41	0.49	12.28	
		17	1.02	1.02	0.15	1.42	1.67	1.67	0.24	2.37	2.26	2.26	0.32	4.41	2.82	2.82	0.4	8.03	3.42	3.42	0.49	12.31	
		19	-	-	-	-	1.77	1.61	0.25	2.54	2.28	2.24	0.33	4.55	2.82	2.82	0.4	8.04	3.42	3.42	0.49	12.34	
		20	-	-	-	-	2.06	1.51	0.29	3.46	2.46	2.16	0.35	5.62	2.92	2.79	0.42	8.73	3.44	3.42	0.49	12.44	
15	3	15	1.14	1.14	0.32	4.48	1.73	1.73	0.49	12.42	2.33	2.33	0.67	20.87	2.91	2.91	0.83	30.06	3.47	3.47	0.99	40.86	
		17	1.14	1.14	0.32	4.5	1.73	1.73	0.49	12.45	2.34	2.34	0.67	20.91	2.91	2.91	0.83	30.13	3.48	3.48	1	40.97	
		19	-	-	-	-	1.83	1.71	0.52	13.64	2.34	2.33	0.67	20.91	2.92	2.92	0.83	30.21	3.48	3.48	1	41.08	
		20	-	-	-	-	2.45	1.68	0.7	22.45	2.64	2.29	0.75	25.45	2.98	2.91	0.85	31.39	3.48	3.48	1	41.06	
	4	15	0.91	0.91	0.19	1.87	1.51	1.51	0.32	4.52	2.1	2.1	0.45	10.55	2.7	2.7	0.58	16.35	3.28	3.28	0.7	22.52	
		17	0.91	0.91	0.19	1.87	1.51	1.51	0.32	4.54	2.1	2.1	0.45	10.57	2.7	2.7	0.58	16.35	3.28	3.28	0.7	22.57	
		19	-	-	-	-	1.53	1.5	0.33	4.69	2.1	2.1	0.45	10.59	2.71	2.71	0.58	16.34	3.29	3.29	0.7	22.63	
		20	-	-	-	-	1.77	1.41	0.38	6.92	2.22	2.07	0.48	11.72	2.72	2.7	0.58	16.36	3.29	3.29	0.71	22.66	
	5	15	0.61	0.61	0.11	0.99	1.3	1.3	0.22	2.13	1.89	1.89	0.33	4.62	2.46	2.46	0.42	9.22	3.06	3.06	0.53	13.81	
		17	0.62	0.62	0.11	1	1.3	1.3	0.22	2.13	1.89	1.89	0.33	4.64	2.47	2.47	0.43	9.24	3.07	3.07	0.53	13.84	
		19	-	-	-	-	1.3	1.3	0.22	2.13	1.89	1.89	0.33	4.65	2.47	2.47	0.43	9.27	3.07	3.07	0.53	13.88	
		20	-	-	-	-	1.41	1.23	0.24	2.35	1.92	1.87	0.33	4.88	2.47	2.47	0.43	9.27	3.07	3.07	0.53	13.9	
	6	15	-	-	-	-	1.03	1.03	0.15	1.38	1.68	1.68	0.24	2.32	2.26	2.26	0.32	4.62	2.82	2.82	0.4	8.24	
		17	-	-	-	-	1.03	1.03	0.15	1.38	1.68	1.68	0.24	2.32	2.26	2.26	0.32	4.64	2.83	2.83	0.4	8.27	
		19	-	-	-	-	1.03	1.03	0.15	1.38	1.69	1.69	0.24	2.33	2.26	2.26	0.32	4.65	2.83	2.83	0.41	8.29	
		20	-	-	-	-	1.06	1.01	0.15	1.41	1.69	1.68	0.24	2.34	2.26	2.26	0.33	4.66	2.83	2.83	0.41	8.31	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V1000-CA																							
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	6.36	4.76	1.84	128.15	6.32	5.43	1.84	127.06	6.39	6.1	1.85	128.47	6.77	6.77	1.97	143.62	7.42	7.42	2.14	165.89	
		17	8.33	4.78	2.4	203.04	8.29	5.45	2.39	201.1	8.24	6.1	2.38	199.1	8.2	6.75	2.36	197.24	8.15	7.4	2.35	195.37	
		19	-	-	-	-	10.41	5.47	3	299.13	10.35	6.12	2.99	296.26	10.29	6.78	2.97	293.4	10.23	7.42	2.95	290.61	
		20	-	-	-	-	11.52	5.47	3.32	357.72	11.46	6.13	3.31	354.38	11.4	6.79	3.29	350.94	11.34	7.43	3.27	347.6	
	4	15	5.77	4.48	1.24	64.69	5.78	5.16	1.24	64.65	6.02	5.85	1.29	69.33	6.53	6.53	1.4	79.85	7.18	7.18	1.55	94.23	
		17	7.77	4.52	1.68	108.05	7.73	5.18	1.67	106.99	7.69	5.84	1.66	106.28	7.65	6.5	1.66	106.13	7.69	7.15	1.66	106.26	
		19	-	-	-	-	9.88	5.22	2.15	165.97	9.83	5.88	2.13	164.43	9.77	6.53	2.12	162.93	9.72	7.18	2.11	161.33	
		20	-	-	-	-	11.01	5.23	2.39	200.28	10.95	5.89	2.38	198.39	10.89	6.55	2.36	196.52	10.83	7.19	2.35	194.68	
	5	15	5.12	4.18	0.88	35.75	5.31	4.89	0.92	38.19	5.69	5.6	0.98	42.66	6.29	6.29	1.08	50.9	6.94	6.94	1.19	60.12	
		17	7.16	4.24	1.23	63.38	7.12	4.91	1.23	62.95	7.08	5.56	1.22	62.27	7.1	6.23	1.22	62.63	7.29	6.91	1.26	65.46	
		19	-	-	-	-	9.3	4.95	1.61	100.35	9.25	5.61	1.6	99.43	9.2	6.27	1.59	98.48	9.15	6.92	1.58	97.55	
		20	-	-	-	-	10.44	4.97	1.81	122.81	10.38	5.63	1.8	121.7	10.33	6.29	1.79	120.59	10.27	6.94	1.78	119.45	
	6	15	4.49	3.86	0.64	20.73	4.86	4.61	0.7	23.82	5.37	5.34	0.77	28.23	6.03	6.03	0.87	34.63	6.7	6.7	0.96	41.43	
		17	6.47	3.92	0.93	38.63	6.43	4.59	0.92	38.22	6.43	5.26	0.92	38.24	6.61	5.97	0.95	40.37	6.92	6.67	0.99	43.75	
		19	-	-	-	-	8.67	4.67	1.24	64.14	8.62	5.33	1.24	63.63	8.58	5.99	1.23	63.2	8.53	6.64	1.23	62.56	
		20	-	-	-	-	9.82	4.69	1.41	79.69	9.77	5.36	1.4	78.94	9.71	6.01	1.39	78.06	9.66	6.66	1.39	77.21	
7	3	15	4.86	4.07	1.4	78.39	5.01	4.76	1.45	83.58	5.45	5.45	1.58	96.91	6.11	6.11	1.76	116.82	6.76	6.76	1.97	140.98	
		17	6.87	4.1	2	144.75	6.83	4.76	1.98	142.3	6.79	5.42	1.97	140.99	6.77	6.08	1.97	140.98	6.93	6.76	2.02	148.07	
		19	-	-	-	-	8.96	4.79	2.61	231.51	8.91	5.45	2.6	229.17	8.86	6.11	2.58	226.87	8.81	6.76	2.57	224.66	
		20	-	-	-	-	10.08	4.8	2.94	284.51	10.03	5.46	2.93	281.74	9.97	6.12	2.91	279	9.92	6.77	2.89	276.3	
	4	15	4.3	3.79	0.93	38.3	4.64	4.52	1	44.11	5.21	5.21	1.13	53.87	5.87	5.87	1.27	65.6	6.53	6.53	1.41	79.29	
		17	6.26	3.83	1.35	73.67	6.22	4.49	1.35	72.85	6.18	5.16	1.34	72.13	6.3	5.84	1.36	74.63	6.61	6.53	1.43	81.05	
		19	-	-	-	-	8.37	4.53	1.81	121.74	8.33	5.19	1.8	120.72	8.29	5.85	1.8	120.77	8.24	6.51	1.79	119.59	
		20	-	-	-	-	9.51	4.54	2.06	152.25	9.46	5.21	2.05	150.79	9.4	5.87	2.04	149.29	9.36	6.52	2.03	148.92	
	5	15	3.8	3.51	0.65	21.13	4.3	4.25	0.74	26.1	4.95	4.95	0.85	33.19	5.63	5.63	0.97	41.67	6.29	6.29	1.09	50.45	
		17	5.54	3.52	0.95	40.23	5.51	4.19	0.95	39.74	5.61	4.88	0.97	41.04	5.89	5.6	1.02	45.04	6.33	6.29	1.09	50.94	
		19	-	-	-	-	7.74	4.26	1.34	72.14	7.7	4.92	1.33	71.17	7.65	5.97	1.35	35	7.6	6.23	1.31	69.28	
		20	-	-	-	-	8.9	4.28	1.54	91.91	8.85	4.95	1.53	91.01	8.8	5.61	1.53	90.11	8.75	6.26	1.52	89.23	
	6	15	3.37	3.22	0.48	11.54	3.98	3.97	0.57	16.62	4.68	4.68	0.67	22.09	5.37	5.37	0.77	27.96	6.04	6.04	0.87	34	
		17	4.72	3.17	0.68	22.32	4.82	3.88	0.69	23.2	5.11	4.61	0.73	25.66	5.51	5.34	0.79	29.08	6.05	6.05	0.87	34.12	
		19	-	-	-	-	7.04	3.96	1.01	44.36	6.99	4.63	1.01	43.9	6.95	5.29	1	43.41	7.02	5.96	1.01	44.22	
		20	-	-	-	-	8.22	3.99	1.18	57.95	8.17	4.66	1.18	57.37	8.12	5.32	1.17	56.81	8.08	5.98	1.16	56.24	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V1000-CA																							
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	
9	3	15	3.55	3.41	1.03	45.34	4.1	4.1	1.18	57.58	4.78	4.78	1.39	75.85	5.44	5.44	1.57	94.27	6.1	6.1	1.78	116.56	
		17	5.29	3.41	1.54	90.63	5.25	4.08	1.53	89.56	5.28	4.75	1.53	90.32	5.53	5.44	1.6	96.83	6.11	6.11	1.78	116.85	
		19	-	-	-	-	7.39	4.1	2.14	161.27	7.35	4.77	2.13	159.66	7.31	5.43	2.12	158.02	7.26	6.08	2.1	156.23	
		20	-	-	-	-	8.52	4.11	2.47	206.66	8.47	4.78	2.46	204.63	8.42	5.44	2.44	202.49	8.37	6.09	2.43	200.47	
	4	15	3.19	3.15	0.69	22.8	3.85	3.85	0.83	31.32	4.54	4.54	0.98	41.89	5.21	5.21	1.13	53.1	5.87	5.87	1.27	64.58	
		17	4.58	3.11	0.99	42.43	4.59	3.79	1	42.65	4.82	4.5	1.05	46.47	5.24	5.21	1.14	53.7	5.87	5.87	1.27	64.73	
		19	-	-	-	-	6.75	3.83	1.46	82.25	6.7	4.5	1.45	81.33	6.66	5.16	1.44	80.43	6.67	5.82	1.44	80.78	
		20	-	-	-	-	7.91	3.86	1.72	109.74	7.86	4.53	1.71	108.58	7.82	5.19	1.7	107.43	7.77	5.84	1.69	106.28	
	5	15	2.86	2.86	0.49	12.3	3.58	3.58	0.62	18.79	4.27	4.27	0.74	25.45	4.96	4.96	0.85	32.77	5.63	5.63	0.97	41.09	
		17	3.73	2.77	0.64	20.1	4	3.51	0.69	22.69	4.42	4.25	0.76	26.95	4.97	4.96	0.86	32.86	5.64	5.64	0.98	41.19	
		19	-	-	-	-	6.02	3.54	1.04	45.62	5.98	4.21	1.03	45.08	5.99	4.88	1.03	45.26	6.17	5.58	1.06	47.71	
		20	-	-	-	-	7.2	3.57	1.24	62.21	7.16	4.24	1.23	61.53	7.11	4.9	1.23	60.88	7.07	5.56	1.22	60.26	
	6	15	2.6	2.6	0.37	6.05	3.28	3.28	0.47	11.13	3.99	3.99	0.57	16.56	4.69	4.69	0.67	21.79	5.38	5.38	0.77	27.46	
		17	3.02	2.45	0.43	9.07	3.49	3.22	0.5	12.79	4.05	3.98	0.58	16.96	4.7	4.7	0.67	21.82	5.38	5.38	0.77	27.52	
		19	-	-	-	-	5.17	3.21	0.74	25.58	5.18	3.89	0.74	25.67	5.39	4.61	0.77	27.52	5.73	5.33	0.82	30.65	
		20	-	-	-	-	6.43	3.27	0.93	37.43	6.39	3.94	0.92	37	6.34	4.6	0.91	36.57	6.43	5.29	0.93	37.45	
11	3	15	2.74	2.74	0.79	28.16	3.43	3.43	0.99	41.71	4.11	4.11	1.17	56.12	4.78	4.78	1.37	73.19	5.44	5.44	1.56	92.03	
		17	3.52	2.68	1	42.86	3.7	3.4	1.06	46.83	4.12	4.11	1.18	56.54	4.78	4.78	1.37	73.18	5.44	5.44	1.56	91.56	
		19	-	-	-	-	5.71	3.41	1.65	100.69	5.68	4.08	1.64	99.82	5.64	4.75	1.63	98.91	5.78	5.43	1.67	103.07	
		20	-	-	-	-	6.85	3.43	1.98	138.36	6.81	4.1	1.97	136.85	6.76	4.76	1.95	135.33	6.71	5.41	1.93	132.56	
	4	15	2.45	2.45	0.53	14.12	3.17	3.17	0.68	21.89	3.86	3.86	0.83	30.85	4.54	4.54	0.97	40.5	5.21	5.21	1.12	51.87	
		17	2.83	2.39	0.61	18.08	3.28	3.14	0.7	23.25	3.87	3.86	0.83	30.88	4.54	4.54	0.97	40.59	5.22	5.22	1.13	51.99	
		19	-	-	-	-	4.97	3.13	1.07	47.76	4.92	3.79	1.06	46.51	5.08	4.49	1.1	49.64	5.39	5.19	1.16	54.43	
		20	-	-	-	-	6.14	3.15	1.32	68.37	6.11	3.83	1.32	68.33	6.07	4.49	1.31	67.47	6.09	5.16	1.32	67.9	
	5	15	2.18	2.18	0.38	6.34	2.88	2.88	0.5	12.63	3.6	3.6	0.62	18.69	4.29	4.29	0.74	25.23	4.96	4.96	0.85	32.15	
		17	2.32	2.11	0.4	7.53	2.9	2.87	0.5	12.73	3.6	3.6	0.62	18.72	4.3	4.3	0.74	25.29	4.97	4.97	0.85	32.23	
		19	-	-	-	-	4.07	2.79	0.7	23.01	4.26	3.51	0.73	24.86	4.6	4.24	0.79	28.15	5.06	4.96	0.87	33.15	
		20	-	-	-	-	5.33	2.85	0.91	36.19	5.28	3.52	0.91	35.69	5.32	4.2	0.91	36.13	5.54	4.9	0.95	38.72	
	6	15	1.94	1.94	0.28	3.03	2.61	2.61	0.37	6.27	3.3	3.3	0.47	11.36	4.02	4.02	0.58	16.47	4.71	4.71	0.68	21.61	
		17	2	1.89	0.29	3.21	2.61	2.61	0.37	6.3	3.3	3.3	0.47	11.39	4.02	4.02	0.58	16.51	4.72	4.72	0.68	21.66	
		19	-	-	-	-	3.19	2.44	0.46	10.58	3.65	3.21	0.52	13.88	4.18	3.98	0.6	17.62	4.75	4.72	0.68	21.9	
		20	-	-	-	-	4.34	2.49	0.62	18.74	4.4	3.19	0.63	19.15	4.68	3.92	0.67	21.34	5.07	4.66	0.73	24.44	

Abbreviations:

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Four-way Cassette Units

MKA-V1000-CA																							
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	
13	3	15	2.04	2.04	0.59	16.88	2.74	2.74	0.78	27.56	3.43	3.43	0.98	40.81	4.1	4.1	1.17	55.24	4.77	4.77	1.37	71.77	
		17	2.1	2.03	0.6	17.68	2.74	2.74	0.78	27.59	3.44	3.44	0.99	40.9	4.11	4.11	1.18	55.37	4.77	4.77	1.37	71.94	
		19	-	-	-	-	3.81	2.69	1.09	48.59	3.9	3.39	1.12	50.63	4.22	4.1	1.21	58.12	4.78	4.77	1.37	72.02	
		20	-	-	-	-	5.01	2.73	1.45	79.3	4.98	3.4	1.44	78.24	4.95	4.07	1.43	77.64	5.12	4.76	1.48	82.27	
	4	15	1.75	1.75	0.37	6.46	2.46	2.46	0.53	14.06	3.18	3.18	0.69	21.89	3.86	3.86	0.83	30.25	4.54	4.54	0.97	39.91	
		17	1.75	1.75	0.37	6.49	2.47	2.47	0.53	14.09	3.18	3.18	0.69	21.94	3.87	3.87	0.83	30.31	4.54	4.54	0.98	40.01	
		19	-	-	-	-	3.03	2.39	0.65	20.12	3.41	3.14	0.74	24.71	3.9	3.86	0.84	30.82	4.55	4.55	0.98	40.11	
		20	-	-	-	-	4.15	2.41	0.89	34.14	4.14	3.1	0.89	33.99	4.37	3.81	0.94	37.64	4.72	4.53	1.01	42.82	
	5	15	1.5	1.5	0.26	2.62	2.18	2.18	0.37	6.51	2.89	2.89	0.5	12.57	3.61	3.61	0.62	18.49	4.29	4.29	0.74	24.66	
		17	1.5	1.49	0.26	2.62	2.18	2.18	0.37	6.53	2.89	2.89	0.5	12.6	3.61	3.61	0.62	18.53	4.3	4.3	0.74	24.72	
		19	-	-	-	-	2.39	2.09	0.41	8.35	2.98	2.87	0.51	13.26	3.62	3.62	0.62	18.58	4.3	4.3	0.74	24.78	
		20	-	-	-	-	3.08	2.04	0.53	14.02	3.43	2.81	0.59	16.97	3.87	3.56	0.67	20.85	4.37	4.29	0.75	25.48	
	6	15	1.18	1.18	0.17	1.65	1.94	1.94	0.28	3.01	2.61	2.61	0.37	6.56	3.32	3.32	0.48	11.66	4.03	4.03	0.58	16.33	
		17	1.18	1.18	0.17	1.65	1.94	1.94	0.28	3.02	2.61	2.61	0.37	6.58	3.32	3.32	0.48	11.69	4.04	4.04	0.58	16.35	
		19	-	-	-	-	2.04	1.87	0.29	3.37	2.64	2.6	0.38	6.73	3.33	3.32	0.48	11.7	4.04	4.04	0.58	16.34	
		20	-	-	-	-	2.33	1.75	0.33	4.84	2.84	2.51	0.41	8.2	3.44	3.29	0.49	12.44	4.06	4.03	0.58	16.39	
15	3	15	1.31	1.31	0.38	6.68	2.05	2.05	0.59	16.7	2.74	2.74	0.78	27.19	3.43	3.43	0.98	39.87	4.1	4.1	1.18	55.17	
		17	1.32	1.32	0.38	6.7	2.05	2.05	0.59	16.74	2.75	2.75	0.78	27.25	3.43	3.43	0.98	39.97	4.11	4.11	1.18	55.3	
		19	-	-	-	-	2.16	2.02	0.62	18.35	2.75	2.74	0.78	27.26	3.44	3.44	0.98	40.07	4.11	4.11	1.19	55.44	
		20	-	-	-	-	2.89	1.98	0.82	29.62	3.1	2.7	0.89	33.52	3.51	3.42	1	41.55	4.11	4.11	1.19	55.43	
	4	15	1.05	1.05	0.23	2.17	1.75	1.75	0.38	6.75	2.48	2.48	0.53	14.14	3.18	3.18	0.68	21.37	3.87	3.87	0.83	30.18	
		17	1.05	1.05	0.23	2.17	1.75	1.75	0.38	6.77	2.48	2.48	0.54	14.17	3.18	3.18	0.68	21.42	3.87	3.87	0.84	30.25	
		19	-	-	-	-	1.77	1.75	0.38	6.94	2.48	2.48	0.54	14.18	3.19	3.19	0.68	21.47	3.88	3.88	0.84	30.32	
		20	-	-	-	-	2.07	1.66	0.45	10.22	2.62	2.45	0.57	15.53	3.2	3.19	0.69	21.64	3.88	3.88	0.84	30.36	
	5	15	0.71	0.71	0.12	1.15	1.51	1.51	0.26	2.64	2.19	2.19	0.38	6.9	2.91	2.91	0.5	12.64	3.62	3.62	0.62	18.29	
		17	0.71	0.71	0.12	1.15	1.51	1.51	0.26	2.64	2.19	2.19	0.38	6.92	2.91	2.91	0.5	12.67	3.62	3.62	0.62	18.33	
		19	-	-	-	-	1.51	1.51	0.26	2.64	2.19	2.19	0.38	6.94	2.92	2.92	0.5	12.7	3.62	3.62	0.63	18.37	
		20	-	-	-	-	1.62	1.43	0.28	3.1	2.23	2.18	0.38	7.2	2.92	2.91	0.5	12.69	3.63	3.63	0.63	18.4	
	6	15	-	-	-	-	1.19	1.19	0.17	1.59	1.95	1.95	0.28	3.12	2.62	2.62	0.38	6.92	3.33	3.33	0.48	11.55	
		17	-	-	-	-	1.19	1.19	0.17	1.59	1.95	1.95	0.28	3.13	2.62	2.62	0.38	6.94	3.33	3.33	0.48	11.57	
		19	-	-	-	-	1.2	1.2	0.17	1.6	1.95	1.95	0.28	3.14	2.63	2.63	0.38	6.96	3.34	3.34	0.48	11.6	
		20	-	-	-	-	1.22	1.17	0.18	1.63	1.96	1.95	0.28	3.16	2.63	2.63	0.38	6.97	3.34	3.34	0.48	11.62	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V1200-CA																							
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	7.99	6.01	2.29	42.16	7.93	6.84	2.28	41.92	8.04	7.68	2.3	42.65	8.52	8.52	2.46	47.79	9.32	9.32	2.67	55.11	
		17	10.52	6.05	3.02	67.93	10.45	6.88	3.01	67.72	10.37	7.7	3	67.12	10.3	8.5	2.97	66.26	10.24	9.3	2.96	65.6	
		19	-	-	-	-	13.14	6.91	3.79	100.96	13.03	7.72	3.74	98.7	12.93	8.53	3.72	97.44	12.84	9.33	3.69	96.2	
		20	-	-	-	-	14.55	6.92	4.19	119.92	14.44	7.74	4.16	118.36	14.35	8.55	4.15	117.9	14.25	9.35	4.13	117.09	
	4	15	7.14	5.61	1.54	21.39	7.22	6.47	1.56	21.79	7.54	7.35	1.62	23.27	8.2	8.2	1.76	26.86	9.01	9.01	1.93	31.56	
		17	9.75	5.69	2.09	36.09	9.67	6.51	2.08	35.6	9.6	7.33	2.06	35.12	9.53	8.14	2.04	34.71	9.63	8.97	2.07	35.33	
		19	-	-	-	-	12.41	6.57	2.67	54.97	12.32	7.39	2.65	54.25	12.23	8.2	2.63	53.55	12.14	9	2.61	52.86	
		20	-	-	-	-	13.84	6.59	2.97	66.06	13.74	7.41	2.95	65.21	13.64	8.22	2.94	64.68	13.55	9.03	2.93	64.29	
	5	15	6.22	5.17	1.07	10.7	6.53	6.08	1.12	11.99	7.07	6.99	1.21	14.11	7.86	7.86	1.35	17.17	8.68	8.68	1.5	20.34	
		17	8.85	5.27	1.52	20.86	8.8	6.11	1.52	20.75	8.73	6.94	1.5	20.47	8.81	7.78	1.52	20.8	9.06	8.63	1.56	21.7	
		19	-	-	-	-	11.61	6.2	2	33.35	11.53	7.03	1.99	32.91	11.44	7.84	1.97	32.48	11.35	8.64	1.96	32.07	
		20	-	-	-	-	13.08	6.24	2.25	40.85	12.98	7.06	2.24	40.37	12.88	7.87	2.22	39.85	12.79	8.68	2.21	39.35	
	6	15	5.65	4.87	0.81	5.19	6.08	5.79	0.87	6.33	6.69	6.67	0.96	8.16	7.49	7.49	1.07	10.86	8.32	8.32	1.19	13.68	
		17	7.82	4.81	1.12	12.05	7.75	5.65	1.11	11.81	7.83	6.51	1.12	12.08	8.11	7.4	1.16	12.99	8.54	8.29	1.23	14.38	
		19	-	-	-	-	10.69	5.79	1.53	20.95	10.6	6.61	1.52	20.67	10.52	7.43	1.5	20.39	10.44	8.23	1.49	20.14	
		20	-	-	-	-	12.19	5.84	1.74	26.22	12.09	6.67	1.73	25.88	12	7.48	1.72	25.54	11.91	8.28	1.7	25.22	
7	3	15	6.08	5.12	1.75	26.13	6.29	6	1.8	27.68	6.87	6.86	1.99	32.59	7.69	7.69	2.22	39.6	8.49	8.49	2.44	46.4	
		17	8.65	5.17	2.49	47.86	8.58	6.01	2.46	47.18	8.51	6.83	2.44	46.52	8.49	7.65	2.44	46.35	8.7	8.49	2.5	48.34	
		19	-	-	-	-	11.29	6.05	3.25	76.04	11.2	6.87	3.23	75.02	11.12	7.68	3.2	74.03	11.04	8.49	3.19	73.6	
		20	-	-	-	-	12.72	6.06	3.67	93.72	12.62	6.89	3.64	92.49	12.53	7.7	3.61	91.27	12.43	8.5	3.58	90.07	
	4	15	5.31	4.73	1.15	12.69	5.79	5.66	1.25	14.8	6.53	6.53	1.4	18.01	7.37	7.37	1.58	22.1	8.18	8.18	1.76	26.45	
		17	7.78	4.79	1.67	24.21	7.71	5.62	1.66	23.86	7.69	6.46	1.65	23.72	7.87	7.32	1.69	24.71	8.28	8.18	1.78	26.96	
		19	-	-	-	-	10.51	5.7	2.28	40.96	10.43	6.53	2.26	40.41	10.33	7.34	2.22	39.39	10.25	8.14	2.21	38.85	
		20	-	-	-	-	11.96	5.73	2.59	51.19	11.87	6.55	2.57	50.52	11.78	7.37	2.55	49.87	11.69	8.18	2.53	49.21	
	5	15	4.76	4.41	0.82	5.52	5.35	5.32	0.92	7.57	6.16	6.16	1.06	10.74	7.01	7.01	1.21	13.86	7.85	7.85	1.35	16.86	
		17	6.71	4.33	1.15	12.79	6.68	5.18	1.15	12.68	6.89	6.07	1.19	13.43	7.3	6.98	1.26	14.84	7.89	7.86	1.36	16.97	
		19	-	-	-	-	9.6	5.31	1.65	23.58	9.52	6.14	1.64	23.25	9.5	7.83	1.76	35	9.41	7.77	1.62	22.79	
		20	-	-	-	-	11.11	5.36	1.92	30.5	11.02	6.19	1.9	30.09	10.93	7.01	1.89	29.69	10.85	7.81	1.88	29.29	
	6	15	4.37	4.16	0.63	2.9	5.07	5.06	0.73	4.05	5.85	5.85	0.84	5.95	6.67	6.67	0.96	8.39	7.49	7.49	1.07	11.05	
		17	5.71	3.92	0.82	5.61	5.89	4.82	0.84	6.1	6.27	5.73	0.9	7.19	6.8	6.63	0.97	8.83	7.5	7.5	1.07	11.08	
		19	-	-	-	-	8.53	4.86	1.22	14.11	8.47	5.7	1.22	13.96	8.44	6.53	1.21	13.91	8.59	7.39	1.23	14.27	
		20	-	-	-	-	10.11	4.94	1.45	18.87	10.03	5.77	1.44	18.61	9.95	6.59	1.43	18.35	9.86	7.4	1.42	18.08	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V1200-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
9	3	15	4.43	4.29	1.27	15.07	5.17	5.17	1.48	19.53	6.02	6.02	1.73	25.29	6.85	6.85	1.98	32	7.66	7.66	2.2	38.28	
		17	6.63	4.29	1.92	30.16	6.56	5.13	1.9	29.67	6.63	5.98	1.92	30.2	6.95	6.84	2	32.4	7.67	7.67	2.21	38.39	
		19	-	-	-	-	9.3	5.17	2.68	53.5	9.22	6	2.65	52.75	9.15	6.82	2.63	52.01	9.07	7.63	2.61	51.27	
		20	-	-	-	-	10.74	5.19	3.1	68.75	10.65	6.03	3.07	67.81	10.57	6.84	3.05	66.87	10.49	7.65	3.02	65.98	
	4	15	3.98	3.95	0.86	6.43	4.81	4.81	1.03	10.29	5.68	5.68	1.23	14.06	6.53	6.53	1.41	17.77	7.35	7.35	1.59	21.8	
		17	5.58	3.86	1.21	13.65	5.65	4.73	1.22	13.94	5.99	5.63	1.29	15.31	6.56	6.53	1.41	17.92	7.37	7.37	1.59	21.86	
		19	-	-	-	-	8.43	4.81	1.82	27.6	8.36	5.64	1.81	27.2	8.28	6.46	1.79	26.8	8.34	7.3	1.81	27.12	
		20	-	-	-	-	9.89	4.84	2.13	36	9.81	5.67	2.11	35.5	9.73	6.5	2.1	35.01	9.65	7.31	2.08	34.53	
	5	15	3.68	3.68	0.63	2.94	4.5	4.5	0.77	4.94	5.32	5.32	0.92	7.74	6.17	6.17	1.06	10.85	7.02	7.02	1.21	13.66	
		17	4.57	3.44	0.79	5.17	4.92	4.37	0.85	6.33	5.45	5.29	0.94	8.24	6.18	6.17	1.06	10.88	7.03	7.03	1.21	13.69	
		19	-	-	-	-	7.36	4.38	1.27	14.82	7.29	5.22	1.26	14.58	7.38	6.08	1.27	14.87	7.64	6.95	1.32	15.76	
		20	-	-	-	-	8.91	4.45	1.53	20.45	8.83	5.28	1.52	20.15	8.76	6.1	1.51	19.85	8.72	6.93	1.5	19.72	
	6	15	3.35	3.34	0.48	1.98	4.22	4.22	0.61	2.69	5.04	5.04	0.72	4.14	5.85	5.85	0.84	6.18	6.66	6.66	0.96	8.63	
		17	3.92	3.15	0.56	2.36	4.49	4.11	0.64	3.06	5.1	5.02	0.73	4.28	5.85	5.85	0.84	6.2	6.67	6.67	0.96	8.67	
		19	-	-	-	-	6.11	3.9	0.88	7.01	6.22	4.78	0.89	7.33	6.55	5.69	0.94	8.31	7.02	6.6	1.01	9.72	
		20	-	-	-	-	7.72	3.98	1.11	11.7	7.65	4.82	1.1	11.49	7.63	5.66	1.09	11.44	7.83	6.54	1.12	11.98	
11	3	15	3.43	3.43	0.98	9.15	4.32	4.32	1.24	14.11	5.17	5.17	1.47	18.99	6.01	6.01	1.71	24.56	6.83	6.83	1.95	30.58	
		17	4.35	3.36	1.25	14.23	4.62	4.27	1.32	15.68	5.19	5.18	1.48	19.09	6.02	6.02	1.72	24.62	6.84	6.84	1.95	30.66	
		19	-	-	-	-	7.14	4.29	2.04	32.95	7.07	5.12	2.02	32.44	7.05	5.96	2.01	32.24	7.24	6.81	2.08	34.05	
		20	-	-	-	-	8.6	4.32	2.46	45.52	8.53	5.15	2.44	44.84	8.46	5.98	2.42	44.2	8.38	6.79	2.4	43.54	
	4	15	3.13	3.13	0.67	3.42	3.95	3.95	0.85	6.48	4.81	4.81	1.03	10.25	5.68	5.68	1.22	13.64	6.52	6.52	1.4	17.25	
		17	3.51	2.99	0.75	4.71	4.06	3.92	0.87	6.93	4.82	4.81	1.03	10.26	5.69	5.69	1.22	13.68	6.53	6.53	1.4	17.29	
		19	-	-	-	-	6.07	3.88	1.3	15.23	6.06	4.73	1.3	15.21	6.3	5.62	1.35	16.25	6.73	6.51	1.44	18.18	
		20	-	-	-	-	7.62	3.94	1.63	22.48	7.56	4.78	1.62	22.15	7.48	5.61	1.6	21.79	7.57	6.45	1.62	22.2	
	5	15	2.82	2.82	0.48	1.92	3.68	3.68	0.63	3	4.5	4.5	0.77	5.14	5.33	5.33	0.92	7.97	6.18	6.18	1.06	10.83	
		17	3.01	2.72	0.52	2.07	3.72	3.67	0.64	3.08	4.5	4.5	0.78	5.16	5.34	5.34	0.92	8	6.19	6.19	1.07	10.86	
		19	-	-	-	-	4.85	3.42	0.84	6.35	5.16	4.34	0.89	7.41	5.64	5.27	0.97	9.09	6.27	6.18	1.08	11.1	
		20	-	-	-	-	6.44	3.49	1.11	11.58	6.36	4.33	1.1	11.36	6.5	5.21	1.12	11.79	6.82	6.1	1.17	12.7	
	6	15	2.45	2.45	0.35	1.37	3.36	3.36	0.48	1.89	4.23	4.23	0.61	2.72	5.03	5.03	0.72	4.3	5.84	5.84	0.83	6.34	
		17	2.52	2.4	0.36	1.41	3.37	3.37	0.48	1.89	4.23	4.23	0.61	2.72	5.04	5.04	0.72	4.31	5.85	5.85	0.84	6.36	
		19	-	-	-	-	4.14	3.12	0.59	2.59	4.62	4.07	0.66	3.43	5.19	4.98	0.75	4.69	5.87	5.85	0.84	6.42	
		20	-	-	-	-	5.16	3.03	0.74	4.64	5.31	3.93	0.76	5.02	5.68	4.84	0.81	5.93	6.18	5.76	0.88	7.33	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V1200-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
13	3	15	2.57	2.57	0.74	4.59	3.43	3.43	0.99	9.39	4.31	4.31	1.23	13.69	5.16	5.16	1.48	18.89	5.99	5.99	1.72	24.39	
		17	2.62	2.55	0.75	4.84	3.44	3.44	0.99	9.41	4.31	4.31	1.23	13.72	5.17	5.17	1.49	18.94	6	6	1.73	24.45	
		19	-	-	-	-	4.71	3.37	1.35	16.12	4.89	4.26	1.4	17.16	5.31	5.16	1.53	19.78	6.01	6	1.73	24.5	
		20	-	-	-	-	6.25	3.42	1.8	26.18	6.19	4.26	1.78	25.73	6.19	5.11	1.78	25.73	6.41	5.97	1.83	27.1	
	4	15	2.27	2.27	0.49	1.86	3.12	3.12	0.67	3.6	3.95	3.95	0.85	6.67	4.82	4.82	1.03	10.16	5.67	5.67	1.22	13.41	
		17	2.27	2.27	0.49	1.87	3.13	3.13	0.67	3.62	3.95	3.95	0.85	6.69	4.83	4.83	1.03	10.19	5.68	5.68	1.22	13.44	
		19	-	-	-	-	3.66	2.95	0.78	5.5	4.18	3.9	0.89	7.64	4.85	4.83	1.04	10.29	5.69	5.69	1.22	13.48	
		20	-	-	-	-	4.98	2.96	1.07	10.72	5.03	3.84	1.08	10.92	5.38	4.75	1.15	12.23	5.88	5.67	1.27	14.38	
	5	15	1.89	1.89	0.32	1.21	2.81	2.81	0.48	1.82	3.67	3.67	0.63	3.04	4.48	4.48	0.77	5.24	5.32	5.32	0.91	8.01	
		17	1.89	1.89	0.32	1.21	2.82	2.82	0.48	1.82	3.67	3.67	0.63	3.05	4.49	4.49	0.77	5.26	5.33	5.33	0.91	8.04	
		19	-	-	-	-	3.11	2.69	0.53	2.09	3.76	3.63	0.65	3.26	4.49	4.49	0.77	5.27	5.34	5.34	0.92	8.07	
		20	-	-	-	-	3.8	2.55	0.65	3.37	4.2	3.48	0.72	4.41	4.74	4.41	0.81	6.07	5.39	5.33	0.93	8.24	
	6	15	1.47	1.47	0.21	0.77	2.46	2.46	0.35	1.3	3.36	3.36	0.48	1.8	4.21	4.21	0.6	2.74	5.02	5.02	0.72	4.39	
		17	1.48	1.48	0.21	0.77	2.46	2.46	0.35	1.3	3.37	3.37	0.48	1.8	4.22	4.22	0.6	2.75	5.02	5.02	0.72	4.41	
		19	-	-	-	-	2.57	2.38	0.37	1.35	3.4	3.35	0.49	1.82	4.22	4.22	0.6	2.76	5.03	5.03	0.72	4.43	
		20	-	-	-	-	2.98	2.23	0.43	1.56	3.68	3.23	0.53	2.04	4.35	4.16	0.62	2.98	5.04	5.03	0.72	4.46	
15	3	15	1.7	1.7	0.49	1.79	2.55	2.55	0.73	4.62	3.43	3.43	0.98	9.16	4.3	4.3	1.23	13.45	5.15	5.15	1.48	18.53	
		17	1.7	1.7	0.49	1.8	2.56	2.56	0.73	4.64	3.43	3.43	0.98	9.19	4.31	4.31	1.23	13.49	5.16	5.16	1.48	18.58	
		19	-	-	-	-	2.66	2.52	0.76	5.16	3.43	3.42	0.98	9.18	4.31	4.31	1.23	13.53	5.17	5.17	1.49	18.63	
		20	-	-	-	-	3.47	2.44	0.99	9.33	3.83	3.38	1.09	11.05	4.39	4.3	1.25	13.94	5.17	5.16	1.49	18.64	
	4	15	1.33	1.33	0.28	1.03	2.26	2.26	0.49	1.78	3.11	3.11	0.67	3.65	3.95	3.95	0.85	6.82	4.82	4.82	1.04	10.13	
		17	1.33	1.33	0.29	1.03	2.27	2.27	0.49	1.78	3.11	3.11	0.67	3.67	3.95	3.95	0.85	6.85	4.83	4.83	1.04	10.16	
		19	-	-	-	-	2.29	2.26	0.49	1.8	3.12	3.11	0.67	3.67	3.96	3.96	0.85	6.87	4.84	4.84	1.04	10.18	
		20	-	-	-	-	2.64	2.12	0.57	2.37	3.24	3.06	0.69	4.1	3.97	3.96	0.85	6.9	4.84	4.84	1.04	10.2	
	5	15	0.88	0.88	0.15	0.53	1.91	1.91	0.33	1.17	2.82	2.82	0.49	1.77	3.66	3.66	0.63	3.18	4.48	4.48	0.77	5.48	
		17	0.88	0.88	0.15	0.53	1.91	1.91	0.33	1.17	2.83	2.83	0.49	1.78	3.67	3.67	0.63	3.2	4.49	4.49	0.77	5.5	
		19	-	-	-	-	1.91	1.9	0.33	1.17	2.83	2.83	0.49	1.78	3.67	3.67	0.63	3.21	4.5	4.5	0.77	5.53	
		20	-	-	-	-	2.04	1.82	0.35	1.25	2.88	2.81	0.5	1.82	3.67	3.66	0.63	3.21	4.5	4.5	0.78	5.54	
	6	15	-	-	-	-	1.49	1.49	0.21	0.75	2.47	2.47	0.35	1.25	3.37	3.37	0.48	1.75	4.21	4.21	0.6	2.85	
		17	-	-	-	-	1.5	1.5	0.21	0.75	2.47	2.47	0.36	1.25	3.38	3.38	0.49	1.76	4.21	4.21	0.61	2.86	
		19	-	-	-	-	1.5	1.5	0.21	0.75	2.48	2.48	0.36	1.25	3.38	3.38	0.49	1.76	4.22	4.22	0.61	2.87	
		20	-	-	-	-	1.52	1.47	0.22	0.76	2.48	2.48	0.36	1.25	3.38	3.38	0.49	1.76	4.22	4.22	0.61	2.88	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V600F-CA																							
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	3.49	2.74	1	11.17	3.5	3.16	1.01	11.23	3.66	3.59	1.05	12.25	4.01	4.01	1.15	14.35	4.41	4.41	1.26	16.67	
		17	4.77	2.78	1.37	19.3	4.73	3.18	1.35	18.78	4.7	3.59	1.34	18.57	4.67	3.99	1.33	18.35	4.69	4.4	1.34	18.53	
		19	-	-	-	-	6.07	3.21	1.74	28.79	6.03	3.62	1.72	28.47	6	4.02	1.71	28.16	5.96	4.42	1.7	27.85	
		20	-	-	-	-	6.78	3.22	1.94	34.77	6.73	3.63	1.93	34.4	6.69	4.03	1.91	34.03	6.65	4.43	1.9	33.67	
	4	15	3.08	2.55	0.66	3.87	3.19	2.98	0.69	4.25	3.42	3.4	0.74	5.14	3.79	3.79	0.82	6.81	4.19	4.19	0.9	8.78	
		17	4.19	2.51	0.9	8.84	4.17	2.93	0.9	8.7	4.14	3.33	0.89	8.55	4.17	3.75	0.9	8.73	4.32	4.17	0.93	9.47	
		19	-	-	-	-	5.54	2.97	1.19	15	5.5	3.37	1.18	14.84	5.46	3.78	1.17	14.67	5.43	4.17	1.16	14.51	
		20	-	-	-	-	6.27	2.99	1.35	18.71	6.23	3.4	1.34	18.51	6.19	3.8	1.33	18.31	6.15	4.2	1.33	18.11	
	5	15	2.73	2.38	0.47	2.12	2.94	2.82	0.51	2.3	3.26	3.25	0.56	2.65	3.65	3.65	0.63	3.36	4.02	4.02	0.69	4.36	
		17	3.79	2.33	0.65	3.72	3.76	2.75	0.65	3.66	3.78	3.17	0.65	3.69	3.89	3.59	0.67	3.99	4.09	4.01	0.7	4.57	
		19	-	-	-	-	4.95	2.71	0.85	7.62	4.92	3.11	0.84	7.51	4.89	3.52	0.84	7.38	4.86	3.93	0.83	7.27	
		20	-	-	-	-	5.66	2.72	0.97	10.43	5.62	3.13	0.96	10.29	5.59	3.53	0.96	10.14	5.55	3.93	0.95	10	
	6	15	2.42	2.2	0.35	1.54	2.71	2.65	0.39	1.73	3.07	3.07	0.44	1.97	3.48	3.48	0.5	2.24	3.87	3.87	0.55	2.6	
		17	3.34	2.14	0.48	2.12	3.33	2.56	0.48	2.12	3.44	3	0.49	2.2	3.64	3.44	0.52	2.36	3.91	3.87	0.56	2.64	
		19	-	-	-	-	4.55	2.53	0.65	3.76	4.52	2.95	0.65	3.71	4.49	3.36	0.64	3.65	4.52	3.77	0.65	3.7	
		20	-	-	-	-	5.16	2.51	0.74	5.33	5.13	2.92	0.73	5.25	5.1	3.33	0.73	5.16	5.07	3.73	0.73	5.08	
7	3	15	2.62	2.33	0.75	5.6	2.81	2.77	0.81	6.77	3.18	3.18	0.91	9.19	3.6	3.6	1.03	11.68	4.01	4.01	1.15	14.01	
		17	3.82	2.34	1.09	12.89	3.79	2.76	1.09	12.73	3.76	3.16	1.08	12.57	3.83	3.59	1.1	12.97	4.04	4.01	1.16	14.19	
		19	-	-	-	-	5.15	2.79	1.48	21.49	5.12	3.2	1.47	21.24	5.08	3.6	1.46	21	5.05	4.01	1.45	20.88	
		20	-	-	-	-	5.86	2.8	1.68	26.79	5.82	3.21	1.67	26.49	5.79	3.62	1.66	26.2	5.75	4.02	1.65	25.91	
	4	15	2.35	2.18	0.51	2.21	2.64	2.62	0.57	2.7	3.02	3.02	0.65	3.79	3.4	3.4	0.73	5.29	3.79	3.79	0.82	7.07	
		17	3.28	2.11	0.71	4.8	3.26	2.53	0.7	4.71	3.32	2.95	0.72	4.97	3.5	3.38	0.75	5.72	3.8	3.79	0.82	7.09	
		19	-	-	-	-	4.56	2.54	0.98	10.7	4.53	2.95	0.98	10.56	4.5	3.35	0.97	10.42	4.48	3.76	0.96	10.32	
		20	-	-	-	-	5.32	2.57	1.15	13.94	5.28	2.98	1.14	13.79	5.24	3.38	1.13	13.63	5.21	3.79	1.13	13.47	
	5	15	2.09	2.02	0.36	1.54	2.45	2.45	0.42	1.81	2.86	2.86	0.49	2.13	3.26	3.26	0.56	2.64	3.64	3.64	0.63	3.47	
		17	2.86	1.94	0.49	2.12	2.9	2.37	0.5	2.16	3.06	2.81	0.53	2.35	3.31	3.25	0.57	2.73	3.64	3.64	0.63	3.48	
		19	-	-	-	-	4.03	2.32	0.69	4.61	4.01	2.73	0.69	4.54	4	3.46	0.74	26	4.06	3.56	0.7	4.7	
		20	-	-	-	-	4.68	2.3	0.8	6.87	4.65	2.72	0.8	6.76	4.62	3.13	0.79	6.65	4.59	3.53	0.79	6.53	
	6	15	1.87	1.84	0.27	1.13	2.27	2.27	0.33	1.37	2.68	2.68	0.39	1.63	3.09	3.09	0.44	1.87	3.49	3.49	0.5	2.17	
		17	2.37	1.74	0.34	1.42	2.54	2.19	0.36	1.53	2.79	2.65	0.4	1.69	3.11	3.09	0.45	1.89	3.49	3.49	0.5	2.17	
		19	-	-	-	-	3.63	2.16	0.52	2.3	3.6	2.57	0.52	2.27	3.65	2.99	0.53	2.33	3.8	3.43	0.55	2.52	
		20	-	-	-	-	4.25	2.13	0.61	3.32	4.23	2.55	0.61	3.27	4.2	2.96	0.6	3.22	4.22	3.37	0.61	3.25	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V600F-CA																							
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	
9	3	15	2	1.98	0.57	2.81	2.38	2.38	0.68	4.49	2.78	2.78	0.8	6.8	3.19	3.19	0.91	9.3	3.6	3.6	1.03	11.52	
		17	2.78	1.9	0.8	6.83	2.78	2.33	0.8	6.8	2.91	2.76	0.83	7.64	3.19	3.19	0.92	9.34	3.61	3.61	1.04	11.54	
		19	-	-	-	-	4.15	2.36	1.19	14.67	4.12	2.77	1.18	14.48	4.09	3.18	1.17	14.29	4.08	3.59	1.17	14.25	
		20	-	-	-	-	4.87	2.38	1.4	19.23	4.84	2.79	1.39	19	4.81	3.2	1.38	18.78	4.77	3.6	1.37	18.56	
	4	15	1.81	1.81	0.39	1.6	2.23	2.23	0.48	2	2.63	2.63	0.57	2.77	3.01	3.01	0.65	4.01	3.4	3.4	0.73	5.47	
		17	2.36	1.74	0.51	2.18	2.47	2.18	0.53	2.39	2.69	2.61	0.58	2.93	3.01	3.01	0.65	4.02	3.4	3.4	0.73	5.49	
		19	-	-	-	-	3.52	2.11	0.76	6.01	3.49	2.52	0.75	5.9	3.51	2.94	0.75	5.97	3.63	3.37	0.78	6.54	
		20	-	-	-	-	4.24	2.12	0.91	9.22	4.21	2.54	0.9	9.09	4.17	2.94	0.9	8.95	4.15	3.35	0.89	8.84	
	5	15	1.62	1.62	0.28	1.12	2.04	2.04	0.35	1.42	2.46	2.46	0.42	1.71	2.86	2.86	0.49	2.06	3.25	3.25	0.56	2.69	
		17	1.91	1.54	0.33	1.31	2.16	2.01	0.37	1.49	2.47	2.45	0.43	1.72	2.87	2.87	0.49	2.07	3.26	3.26	0.56	2.7	
		19	-	-	-	-	3.08	1.94	0.53	2.38	3.08	2.36	0.53	2.38	3.2	2.79	0.55	2.58	3.39	3.22	0.58	3.01	
		20	-	-	-	-	3.69	1.91	0.64	3.8	3.67	2.33	0.63	3.74	3.65	2.74	0.63	3.68	3.72	3.16	0.64	3.87	
	6	15	1.44	1.44	0.21	0.81	1.86	1.86	0.27	1.06	2.28	2.28	0.33	1.3	2.69	2.69	0.39	1.53	3.09	3.09	0.44	1.78	
		17	1.57	1.37	0.22	0.88	1.9	1.84	0.27	1.08	2.28	2.28	0.33	1.3	2.69	2.69	0.39	1.54	3.1	3.1	0.44	1.78	
		19	-	-	-	-	2.54	1.74	0.36	1.43	2.67	2.18	0.38	1.51	2.89	2.63	0.41	1.64	3.17	3.08	0.45	1.83	
		20	-	-	-	-	3.23	1.74	0.46	1.86	3.21	2.16	0.46	1.84	3.27	2.59	0.47	1.89	3.43	3.02	0.49	2.05	
11	3	15	1.58	1.58	0.45	1.77	1.98	1.98	0.56	2.8	2.37	2.37	0.68	4.59	2.78	2.78	0.79	6.87	3.19	3.19	0.91	9.13	
		17	1.84	1.53	0.52	2.32	2.04	1.97	0.58	3.03	2.38	2.37	0.68	4.6	2.78	2.78	0.79	6.9	3.2	3.2	0.91	9.16	
		19	-	-	-	-	3.03	1.92	0.86	8.28	3	2.33	0.85	8.12	3.07	2.76	0.88	8.52	3.28	3.19	0.93	9.54	
		20	-	-	-	-	3.79	1.95	1.08	12.17	3.76	2.36	1.07	12.01	3.73	2.77	1.06	11.85	3.72	3.18	1.06	11.82	
	4	15	1.4	1.4	0.3	1.15	1.81	1.81	0.39	1.5	2.23	2.23	0.48	1.92	2.62	2.62	0.56	2.78	3.01	3.01	0.64	4.04	
		17	1.5	1.36	0.32	1.24	1.83	1.81	0.39	1.51	2.23	2.23	0.48	1.93	2.62	2.62	0.56	2.79	3.01	3.01	0.64	4.05	
		19	-	-	-	-	2.51	1.72	0.54	2.49	2.58	2.16	0.55	2.66	2.76	2.59	0.59	3.19	3.03	3.01	0.65	4.12	
		20	-	-	-	-	3.13	1.7	0.67	4.51	3.1	2.11	0.66	4.42	3.12	2.54	0.67	4.5	3.26	2.96	0.7	5.02	
	5	15	1.21	1.21	0.21	0.79	1.64	1.64	0.28	1.07	2.05	2.05	0.35	1.35	2.47	2.47	0.42	1.63	2.87	2.87	0.49	2.05	
		17	1.24	1.19	0.21	0.81	1.64	1.64	0.28	1.08	2.06	2.06	0.35	1.35	2.47	2.47	0.43	1.63	2.87	2.87	0.49	2.06	
		19	-	-	-	-	2.04	1.54	0.35	1.33	2.25	2	0.39	1.47	2.54	2.45	0.44	1.68	2.88	2.88	0.5	2.06	
		20	-	-	-	-	2.67	1.53	0.46	1.8	2.67	1.96	0.46	1.8	2.81	2.4	0.48	1.97	3.02	2.83	0.52	2.31	
	6	15	1.01	1.01	0.15	0.54	1.45	1.45	0.21	0.78	1.88	1.88	0.27	1.01	2.29	2.29	0.33	1.24	2.7	2.7	0.39	1.46	
		17	1.02	1.01	0.15	0.54	1.45	1.45	0.21	0.78	1.88	1.88	0.27	1.01	2.29	2.29	0.33	1.24	2.7	2.7	0.39	1.46	
		19	-	-	-	-	1.64	1.37	0.24	0.88	1.96	1.84	0.28	1.06	2.31	2.29	0.33	1.25	2.7	2.7	0.39	1.46	
		20	-	-	-	-	2.06	1.32	0.3	1.1	2.23	1.78	0.32	1.19	2.48	2.23	0.36	1.33	2.78	2.68	0.4	1.5	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V600F-CA																							
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	
13	3	15	1.16	1.16	0.33	1.24	1.58	1.58	0.45	1.75	1.98	1.98	0.57	2.98	2.38	2.38	0.68	4.87	2.79	2.79	0.8	7.12	
		17	1.17	1.17	0.34	1.25	1.59	1.59	0.46	1.75	1.98	1.98	0.57	2.99	2.38	2.38	0.68	4.89	2.79	2.79	0.8	7.14	
		19	-	-	-	-	1.95	1.52	0.56	2.84	2.11	1.95	0.6	3.51	2.39	2.38	0.69	4.93	2.79	2.79	0.8	7.16	
		20	-	-	-	-	2.57	1.5	0.74	5.95	2.55	1.91	0.73	5.82	2.64	2.35	0.76	6.36	2.87	2.79	0.82	7.54	
	4	15	0.98	0.98	0.21	0.77	1.41	1.41	0.3	1.11	1.82	1.82	0.39	1.44	2.23	2.23	0.48	1.94	2.62	2.62	0.56	2.93	
		17	0.98	0.97	0.21	0.77	1.41	1.41	0.3	1.11	1.83	1.83	0.39	1.44	2.24	2.24	0.48	1.95	2.62	2.62	0.56	2.94	
		19	-	-	-	-	1.57	1.35	0.34	1.24	1.87	1.81	0.4	1.48	2.24	2.23	0.48	1.95	2.63	2.63	0.57	2.95	
		20	-	-	-	-	2.06	1.32	0.44	1.66	2.15	1.76	0.46	1.8	2.36	2.2	0.51	2.22	2.64	2.62	0.57	3	
	5	15	0.78	0.78	0.13	0.48	1.22	1.22	0.21	0.75	1.64	1.64	0.28	1.02	2.06	2.06	0.35	1.28	2.47	2.47	0.42	1.56	
		17	0.78	0.78	0.13	0.48	1.22	1.22	0.21	0.75	1.64	1.64	0.28	1.02	2.06	2.06	0.35	1.28	2.47	2.47	0.42	1.56	
		19	-	-	-	-	1.27	1.19	0.22	0.78	1.65	1.64	0.28	1.02	2.06	2.06	0.35	1.28	2.47	2.47	0.42	1.56	
		20	-	-	-	-	1.51	1.12	0.26	0.93	1.79	1.59	0.31	1.11	2.11	2.04	0.36	1.31	2.48	2.48	0.42	1.56	
	6	15	0.56	0.56	0.08	0.28	1.02	1.02	0.15	0.52	1.46	1.46	0.21	0.74	1.88	1.88	0.27	0.96	2.29	2.29	0.33	1.17	
		17	0.56	0.56	0.08	0.28	1.02	1.02	0.15	0.52	1.46	1.46	0.21	0.74	1.88	1.88	0.27	0.96	2.3	2.3	0.33	1.17	
		19	-	-	-	-	1.03	1.02	0.15	0.52	1.46	1.46	0.21	0.74	1.89	1.89	0.27	0.96	2.3	2.3	0.33	1.18	
		20	-	-	-	-	1.13	0.95	0.16	0.57	1.51	1.43	0.22	0.77	1.9	1.88	0.27	0.97	2.3	2.3	0.33	1.18	
15	3	15	0.74	0.74	0.21	0.74	1.16	1.16	0.33	1.17	1.58	1.58	0.45	1.71	1.97	1.97	0.56	3.01	2.37	2.37	0.68	4.91	
		17	0.74	0.74	0.21	0.74	1.17	1.17	0.33	1.17	1.58	1.58	0.45	1.71	1.98	1.98	0.56	3.02	2.38	2.38	0.68	4.93	
		19	-	-	-	-	1.18	1.16	0.34	1.19	1.59	1.58	0.45	1.71	1.98	1.98	0.56	3.03	2.38	2.38	0.68	4.95	
		20	-	-	-	-	1.45	1.11	0.41	1.47	1.67	1.56	0.48	1.93	1.98	1.98	0.57	3.04	2.38	2.38	0.68	4.96	
	4	15	0.54	0.54	0.11	0.4	0.98	0.98	0.21	0.73	1.41	1.41	0.3	1.05	1.82	1.82	0.39	1.37	2.23	2.23	0.48	1.94	
		17	0.54	0.54	0.11	0.4	0.98	0.98	0.21	0.73	1.41	1.41	0.3	1.05	1.83	1.83	0.39	1.37	2.23	2.23	0.48	1.95	
		19	-	-	-	-	0.98	0.98	0.21	0.73	1.41	1.41	0.3	1.05	1.83	1.83	0.39	1.37	2.23	2.23	0.48	1.96	
		20	-	-	-	-	1.07	0.94	0.23	0.79	1.43	1.4	0.31	1.07	1.83	1.82	0.39	1.37	2.23	2.23	0.48	1.96	
	5	15	0.31	0.31	0.05	0.18	0.79	0.79	0.14	0.46	1.23	1.23	0.21	0.73	1.65	1.65	0.28	0.98	2.07	2.07	0.36	1.23	
		17	0.31	0.31	0.05	0.18	0.79	0.79	0.14	0.46	1.23	1.23	0.21	0.73	1.65	1.65	0.29	0.98	2.07	2.07	0.36	1.23	
		19	-	-	-	-	0.79	0.79	0.14	0.46	1.23	1.23	0.21	0.73	1.66	1.66	0.29	0.98	2.07	2.07	0.36	1.23	
		20	-	-	-	-	0.8	0.78	0.14	0.47	1.23	1.23	0.21	0.73	1.66	1.66	0.29	0.98	2.07	2.07	0.36	1.23	
	6	15	-	-	-	-	0.58	0.58	0.08	0.28	1.04	1.04	0.15	0.5	1.47	1.47	0.21	0.71	1.89	1.89	0.27	0.92	
		17	-	-	-	-	0.58	0.58	0.08	0.28	1.04	1.04	0.15	0.5	1.47	1.47	0.21	0.72	1.89	1.89	0.27	0.92	
		19	-	-	-	-	0.58	0.58	0.08	0.28	1.04	1.04	0.15	0.5	1.47	1.47	0.21	0.72	1.9	1.9	0.27	0.92	
		20	-	-	-	-	0.58	0.57	0.08	0.28	1.04	1.04	0.15	0.5	1.48	1.48	0.21	0.72	1.9	1.9	0.27	0.92	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V700F-CA																							
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	3.88	3.03	1.12	13.59	3.88	3.49	1.12	13.6	4.05	3.96	1.16	14.58	4.41	4.41	1.26	16.7	4.86	4.86	1.4	19.93	
		17	5.28	3.07	1.52	22.92	5.25	3.52	1.51	22.67	5.21	3.96	1.5	22.42	5.18	4.4	1.49	22.16	5.2	4.85	1.49	22.3	
		19	-	-	-	-	6.7	3.54	1.92	34.09	6.66	3.99	1.9	33.73	6.62	4.43	1.89	33.38	6.58	4.86	1.88	33.02	
		20	-	-	-	-	7.47	3.55	2.15	41.38	7.43	4	2.13	40.95	7.38	4.44	2.12	40.46	7.34	4.88	2.1	39.93	
	4	15	3.37	2.79	0.73	4.95	3.49	3.27	0.75	5.45	3.75	3.73	0.81	6.62	4.17	4.17	0.9	8.71	4.61	4.61	0.99	10.82	
		17	4.64	2.78	0.99	10.98	4.61	3.23	0.99	10.83	4.58	3.68	0.98	10.67	4.61	4.13	0.99	10.83	4.77	4.6	1.02	11.59	
		19	-	-	-	-	6.15	3.29	1.33	18.11	6.11	3.74	1.32	17.91	6.07	4.18	1.31	17.72	6.04	4.62	1.3	17.53	
		20	-	-	-	-	6.94	3.31	1.5	22.24	6.9	3.75	1.49	22	6.85	4.2	1.48	21.77	6.81	4.64	1.47	21.54	
	5	15	3.02	2.62	0.52	2.37	3.25	3.11	0.56	2.63	3.58	3.58	0.61	3.21	3.99	3.99	0.69	4.28	4.41	4.41	0.76	5.58	
		17	4.14	2.55	0.71	4.75	4.11	3.01	0.71	4.67	4.13	3.47	0.71	4.72	4.26	3.93	0.73	5.11	4.48	4.4	0.77	5.84	
		19	-	-	-	-	5.49	2.99	0.94	9.76	5.45	3.44	0.93	9.62	5.42	3.89	0.93	9.48	5.38	4.33	0.92	9.34	
		20	-	-	-	-	6.31	3.02	1.08	12.76	6.26	3.47	1.07	12.62	6.22	3.92	1.07	12.48	6.18	4.36	1.06	12.33	
	6	15	2.67	2.42	0.38	1.7	2.99	2.92	0.43	1.91	3.39	3.39	0.48	2.17	3.83	3.83	0.55	2.55	4.26	4.26	0.61	3.16	
		17	3.7	2.37	0.53	2.41	3.69	2.83	0.53	2.4	3.8	3.3	0.54	2.52	4.01	3.78	0.57	2.77	4.3	4.25	0.61	3.24	
		19	-	-	-	-	4.98	2.78	0.71	4.82	4.95	3.23	0.71	4.75	4.92	3.68	0.7	4.67	4.95	4.13	0.71	4.74	
		20	-	-	-	-	5.68	2.76	0.81	6.88	5.64	3.21	0.81	6.77	5.61	3.66	0.8	6.67	5.58	4.1	0.8	6.56	
7	3	15	2.88	2.56	0.83	7.22	3.1	3.05	0.89	8.64	3.51	3.51	1.01	11.2	3.97	3.97	1.14	13.79	4.42	4.42	1.28	16.76	
		17	4.25	2.6	1.23	15.67	4.22	3.05	1.22	15.48	4.19	3.5	1.21	15.29	4.25	3.96	1.23	15.66	4.46	4.42	1.29	17.02	
		19	-	-	-	-	5.69	3.08	1.63	25.48	5.66	3.53	1.62	25.2	5.62	3.97	1.61	24.92	5.58	4.41	1.6	24.64	
		20	-	-	-	-	6.48	3.1	1.87	32.21	6.44	3.55	1.86	31.86	6.4	3.99	1.85	31.51	6.36	4.43	1.84	31.18	
	4	15	2.59	2.4	0.56	2.61	2.89	2.88	0.62	3.38	3.31	3.31	0.71	4.89	3.74	3.74	0.8	6.81	4.18	4.18	0.9	8.94	
		17	3.6	2.32	0.78	6.21	3.58	2.78	0.77	6.09	3.65	3.24	0.79	6.42	3.85	3.72	0.83	7.35	4.18	4.18	0.9	8.96	
		19	-	-	-	-	5.09	2.82	1.1	12.97	5.06	3.27	1.09	12.81	5.02	3.72	1.09	12.67	4.99	4.16	1.08	12.54	
		20	-	-	-	-	5.9	2.84	1.27	16.59	5.86	3.3	1.27	16.45	5.82	3.74	1.26	16.27	5.78	4.18	1.25	16.09	
	5	15	2.31	2.22	0.4	1.7	2.7	2.7	0.46	1.99	3.15	3.15	0.54	2.48	3.57	3.57	0.61	3.31	3.99	3.99	0.69	4.46	
		17	3.17	2.14	0.55	2.5	3.2	2.61	0.55	2.55	3.37	3.09	0.58	2.85	3.63	3.56	0.62	3.45	3.99	3.99	0.69	4.48	
		19	-	-	-	-	4.43	2.54	0.76	5.95	4.4	3	0.76	5.86	4.4	3.93	0.83	30	4.46	3.91	0.77	6.06	
		20	-	-	-	-	5.19	2.55	0.89	8.8	5.15	3	0.89	8.67	5.12	3.45	0.88	8.54	5.08	3.89	0.87	8.4	
	6	15	2.06	2.03	0.3	1.24	2.5	2.5	0.36	1.52	2.96	2.96	0.42	1.79	3.4	3.4	0.49	2.09	3.84	3.84	0.55	2.57	
		17	2.63	1.92	0.38	1.58	2.81	2.42	0.4	1.69	3.08	2.92	0.44	1.86	3.43	3.4	0.49	2.11	3.85	3.85	0.55	2.58	
		19	-	-	-	-	3.99	2.37	0.57	2.82	3.96	2.82	0.57	2.77	4.02	3.29	0.58	2.87	4.17	3.76	0.6	3.15	
		20	-	-	-	-	4.65	2.33	0.67	4.24	4.63	2.79	0.67	4.18	4.6	3.24	0.66	4.11	4.62	3.7	0.66	4.15	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V700F-CA																							
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	
9	3	15	2.19	2.17	0.63	3.59	2.61	2.61	0.75	5.79	3.06	3.06	0.88	8.55	3.52	3.52	1.01	11.08	3.97	3.97	1.14	13.59	
		17	3.09	2.1	0.89	8.71	3.08	2.56	0.88	8.66	3.23	3.04	0.93	9.51	3.53	3.52	1.01	11.13	3.98	3.98	1.14	13.62	
		19	-	-	-	-	4.6	2.61	1.32	17.42	4.57	3.07	1.32	17.36	4.54	3.51	1.31	17.16	4.53	3.96	1.3	17.08	
		20	-	-	-	-	5.39	2.63	1.55	22.83	5.35	3.08	1.54	22.57	5.31	3.53	1.53	22.31	5.28	3.97	1.52	22.06	
	4	15	2	1.99	0.43	1.77	2.45	2.45	0.53	2.36	2.88	2.88	0.62	3.54	3.3	3.3	0.71	5.07	3.74	3.74	0.8	7	
		17	2.59	1.91	0.56	2.68	2.7	2.39	0.58	2.99	2.94	2.86	0.64	3.76	3.3	3.3	0.71	5.08	3.74	3.74	0.8	7.02	
		19	-	-	-	-	3.9	2.33	0.84	7.74	3.87	2.78	0.83	7.6	3.88	3.24	0.83	7.66	4.02	3.71	0.86	8.29	
		20	-	-	-	-	4.73	2.36	1.02	11.16	4.7	2.81	1.01	11.02	4.66	3.26	1	10.89	4.63	3.71	1	10.76	
	5	15	1.79	1.79	0.31	1.24	2.25	2.25	0.39	1.56	2.71	2.71	0.47	1.9	3.15	3.15	0.54	2.48	3.57	3.57	0.61	3.44	
		17	2.12	1.7	0.36	1.46	2.38	2.21	0.41	1.65	2.73	2.7	0.47	1.92	3.15	3.15	0.54	2.49	3.57	3.57	0.61	3.45	
		19	-	-	-	-	3.38	2.13	0.58	2.98	3.38	2.59	0.58	2.98	3.5	3.06	0.6	3.28	3.72	3.53	0.64	3.85	
		20	-	-	-	-	4.05	2.1	0.7	4.89	4.02	2.55	0.69	4.81	4	3.01	0.69	4.74	4.08	3.47	0.7	4.99	
	6	15	1.59	1.59	0.23	0.9	2.06	2.06	0.29	1.17	2.51	2.51	0.36	1.43	2.96	2.96	0.42	1.69	3.41	3.41	0.49	2.03	
		17	1.74	1.51	0.25	0.98	2.11	2.03	0.3	1.2	2.52	2.51	0.36	1.43	2.97	2.97	0.43	1.7	3.41	3.41	0.49	2.03	
		19	-	-	-	-	2.82	1.92	0.4	1.59	2.96	2.41	0.42	1.68	3.2	2.9	0.46	1.84	3.5	3.39	0.5	2.12	
		20	-	-	-	-	3.57	1.92	0.51	2.22	3.55	2.38	0.51	2.18	3.61	2.85	0.52	2.26	3.78	3.32	0.54	2.51	
11	3	15	1.74	1.74	0.49	2.05	2.17	2.17	0.62	3.59	2.61	2.61	0.74	5.9	3.07	3.07	0.87	8.49	3.52	3.52	1	10.79	
		17	2.02	1.67	0.57	2.94	2.23	2.15	0.64	3.89	2.61	2.61	0.74	5.91	3.07	3.07	0.88	8.51	3.53	3.53	1.01	10.82	
		19	-	-	-	-	3.39	2.13	0.97	10.07	3.35	2.58	0.96	9.91	3.42	3.05	0.98	10.25	3.63	3.52	1.03	11.33	
		20	-	-	-	-	4.21	2.16	1.21	14.68	4.18	2.61	1.2	14.5	4.15	3.06	1.19	14.35	4.14	3.51	1.19	14.28	
	4	15	1.54	1.54	0.33	1.27	2	2	0.43	1.66	2.45	2.45	0.52	2.33	2.87	2.87	0.61	3.57	3.3	3.3	0.71	5.2	
		17	1.66	1.5	0.36	1.37	2.02	2	0.43	1.68	2.45	2.45	0.52	2.34	2.88	2.88	0.62	3.58	3.31	3.31	0.71	5.22	
		19	-	-	-	-	2.74	1.89	0.59	3.17	2.82	2.36	0.6	3.4	3.02	2.84	0.65	4.1	3.33	3.31	0.71	5.31	
		20	-	-	-	-	3.45	1.87	0.74	5.85	3.42	2.33	0.73	5.73	3.44	2.79	0.74	5.81	3.59	3.26	0.77	6.45	
	5	15	1.34	1.34	0.23	0.88	1.81	1.81	0.31	1.19	2.27	2.27	0.39	1.49	2.72	2.72	0.47	1.86	3.15	3.15	0.54	2.56	
		17	1.37	1.32	0.24	0.9	1.81	1.81	0.31	1.19	2.27	2.27	0.39	1.49	2.72	2.72	0.47	1.86	3.15	3.15	0.54	2.56	
		19	-	-	-	-	2.26	1.7	0.39	1.47	2.49	2.2	0.43	1.64	2.8	2.7	0.48	1.95	3.16	3.16	0.54	2.58	
		20	-	-	-	-	2.95	1.69	0.51	2.18	2.95	2.15	0.51	2.18	3.09	2.63	0.53	2.44	3.31	3.1	0.57	2.93	
	6	15	1.12	1.12	0.16	0.6	1.6	1.6	0.23	0.86	2.07	2.07	0.3	1.12	2.53	2.53	0.36	1.37	2.97	2.97	0.43	1.62	
		17	1.13	1.12	0.16	0.6	1.6	1.6	0.23	0.86	2.07	2.07	0.3	1.12	2.53	2.53	0.36	1.37	2.98	2.98	0.43	1.63	
		19	-	-	-	-	1.83	1.51	0.26	0.98	2.17	2.03	0.31	1.17	2.56	2.52	0.37	1.38	2.98	2.98	0.43	1.63	
		20	-	-	-	-	2.29	1.46	0.33	1.22	2.47	1.96	0.35	1.32	2.74	2.46	0.39	1.48	3.07	2.95	0.44	1.69	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V700F-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
13	3	15	1.28	1.28	0.37	1.37	1.74	1.74	0.5	2.11	2.17	2.17	0.62	3.82	2.62	2.62	0.75	6.19	3.08	3.08	0.88	8.54	
		17	1.29	1.28	0.37	1.37	1.74	1.74	0.5	2.12	2.18	2.18	0.62	3.84	2.62	2.62	0.75	6.22	3.08	3.08	0.88	8.56	
		19	-	-	-	-	2.13	1.66	0.61	3.63	2.31	2.14	0.66	4.53	2.63	2.62	0.76	6.27	3.09	3.09	0.89	8.59	
		20	-	-	-	-	2.87	1.66	0.83	7.57	2.84	2.12	0.82	7.42	2.94	2.59	0.85	7.91	3.18	3.08	0.91	9.03	
	4	15	1.08	1.08	0.23	0.85	1.55	1.55	0.33	1.22	2.01	2.01	0.43	1.61	2.45	2.45	0.53	2.44	2.87	2.87	0.62	3.77	
		17	1.08	1.08	0.23	0.85	1.55	1.55	0.33	1.22	2.01	2.01	0.43	1.62	2.45	2.45	0.53	2.45	2.88	2.88	0.62	3.78	
		19	-	-	-	-	1.74	1.49	0.38	1.37	2.07	1.99	0.45	1.68	2.45	2.45	0.53	2.45	2.88	2.88	0.62	3.8	
		20	-	-	-	-	2.27	1.45	0.49	2.02	2.37	1.93	0.51	2.23	2.59	2.41	0.56	2.84	2.9	2.88	0.62	3.87	
	5	15	0.86	0.86	0.15	0.53	1.34	1.34	0.23	0.83	1.81	1.81	0.31	1.12	2.27	2.27	0.39	1.41	2.72	2.72	0.47	1.83	
		17	0.86	0.86	0.15	0.53	1.35	1.35	0.23	0.83	1.81	1.81	0.31	1.12	2.27	2.27	0.39	1.41	2.72	2.72	0.47	1.83	
		19	-	-	-	-	1.41	1.31	0.24	0.87	1.82	1.81	0.31	1.13	2.27	2.27	0.39	1.41	2.72	2.72	0.47	1.84	
		20	-	-	-	-	1.68	1.24	0.29	1.03	1.98	1.75	0.34	1.23	2.33	2.25	0.4	1.45	2.73	2.73	0.47	1.84	
	6	15	0.63	0.63	0.09	0.32	1.13	1.13	0.16	0.57	1.61	1.61	0.23	0.82	2.08	2.08	0.3	1.06	2.53	2.53	0.36	1.29	
		17	0.63	0.63	0.09	0.32	1.13	1.13	0.16	0.57	1.61	1.61	0.23	0.82	2.08	2.08	0.3	1.06	2.53	2.53	0.36	1.3	
		19	-	-	-	-	1.15	1.13	0.16	0.58	1.61	1.61	0.23	0.82	2.08	2.08	0.3	1.06	2.54	2.54	0.36	1.3	
		20	-	-	-	-	1.26	1.05	0.18	0.64	1.68	1.58	0.24	0.85	2.1	2.08	0.3	1.07	2.54	2.54	0.36	1.3	
15	3	15	0.81	0.81	0.23	0.81	1.28	1.28	0.37	1.29	1.74	1.74	0.5	2.12	2.17	2.17	0.62	3.88	2.62	2.62	0.75	6.18	
		17	0.81	0.81	0.23	0.82	1.28	1.28	0.37	1.29	1.74	1.74	0.5	2.12	2.17	2.17	0.62	3.89	2.62	2.62	0.75	6.2	
		19	-	-	-	-	1.31	1.28	0.37	1.31	1.74	1.74	0.5	2.13	2.17	2.17	0.62	3.9	2.62	2.62	0.75	6.22	
		20	-	-	-	-	1.6	1.22	0.46	1.75	1.83	1.71	0.52	2.46	2.17	2.17	0.62	3.91	2.62	2.62	0.75	6.23	
	4	15	0.6	0.6	0.13	0.44	1.08	1.08	0.23	0.81	1.55	1.55	0.33	1.16	2.01	2.01	0.43	1.56	2.44	2.44	0.52	2.48	
		17	0.6	0.6	0.13	0.44	1.09	1.09	0.23	0.81	1.55	1.55	0.33	1.16	2.01	2.01	0.43	1.57	2.44	2.44	0.52	2.49	
		19	-	-	-	-	1.08	1.08	0.23	0.81	1.56	1.56	0.33	1.16	2.01	2.01	0.43	1.57	2.45	2.45	0.52	2.5	
		20	-	-	-	-	1.19	1.04	0.25	0.88	1.58	1.55	0.34	1.18	2.01	2.01	0.43	1.57	2.45	2.45	0.52	2.5	
	5	15	0.35	0.35	0.06	0.2	0.88	0.88	0.15	0.51	1.36	1.36	0.23	0.8	1.82	1.82	0.31	1.08	2.28	2.28	0.39	1.36	
		17	0.35	0.35	0.06	0.2	0.88	0.88	0.15	0.52	1.36	1.36	0.23	0.8	1.83	1.83	0.31	1.08	2.28	2.28	0.39	1.36	
		19	-	-	-	-	0.88	0.88	0.15	0.52	1.36	1.36	0.23	0.8	1.83	1.83	0.31	1.08	2.28	2.28	0.39	1.37	
		20	-	-	-	-	0.89	0.86	0.15	0.53	1.36	1.36	0.23	0.8	1.83	1.83	0.32	1.08	2.29	2.29	0.39	1.37	
	6	15	-	-	-	-	0.64	0.64	0.09	0.31	1.15	1.15	0.16	0.56	1.63	1.63	0.23	0.79	2.09	2.09	0.3	1.02	
		17	-	-	-	-	0.64	0.64	0.09	0.31	1.15	1.15	0.17	0.56	1.63	1.63	0.23	0.79	2.09	2.09	0.3	1.02	
		19	-	-	-	-	0.64	0.64	0.09	0.31	1.15	1.15	0.17	0.56	1.63	1.63	0.23	0.79	2.09	2.09	0.3	1.02	
		20	-	-	-	-	0.64	0.64	0.09	0.31	1.15	1.15	0.17	0.56	1.63	1.63	0.23	0.79	2.1	2.1	0.3	1.02	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V800F-CA																							
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	4.42	3.46	1.26	16.72	4.42	3.98	1.26	16.74	4.61	4.52	1.32	18	5.05	5.05	1.45	21.25	5.56	5.56	1.6	25.02	
		17	6.01	3.49	1.72	28.23	5.97	4.01	1.71	27.92	5.93	4.52	1.69	27.63	5.89	5.03	1.68	27.33	5.92	5.54	1.69	27.53	
		19	-	-	-	-	7.63	4.03	2.18	42.67	7.59	4.55	2.17	42.24	7.55	5.05	2.16	41.97	7.51	5.56	2.16	41.71	
		20	-	-	-	-	8.51	4.04	2.44	51.51	8.46	4.56	2.42	50.99	8.42	5.07	2.42	50.88	8.38	5.57	2.42	50.74	
	4	15	3.76	3.15	0.81	6.67	3.92	3.7	0.84	7.45	4.25	4.24	0.92	9.13	4.75	4.75	1.02	11.51	5.27	5.27	1.13	13.83	
		17	5.31	3.18	1.14	13.98	5.28	3.69	1.13	13.82	5.24	4.21	1.12	13.66	5.27	4.73	1.13	13.81	5.46	5.26	1.17	14.65	
		19	-	-	-	-	7	3.74	1.5	22.4	6.98	4.26	1.5	22.42	6.93	4.77	1.49	22.19	6.89	5.28	1.49	21.96	
		20	-	-	-	-	7.9	3.76	1.69	27.48	7.85	4.28	1.68	27.21	7.81	4.79	1.67	26.94	7.76	5.29	1.66	26.67	
	5	15	3.39	2.96	0.58	2.85	3.65	3.51	0.63	3.37	4.03	4.03	0.69	4.38	4.51	4.51	0.77	5.92	5	5	0.86	7.79	
		17	4.6	2.86	0.79	6.3	4.57	3.38	0.78	6.2	4.61	3.91	0.79	6.31	4.78	4.45	0.82	6.94	5.07	4.99	0.87	8.07	
		19	-	-	-	-	6.27	3.42	1.08	12.63	6.23	3.93	1.07	12.49	6.19	4.44	1.06	12.35	6.15	4.95	1.05	12.21	
		20	-	-	-	-	7.22	3.46	1.24	16.18	7.18	3.98	1.24	16.01	7.13	4.49	1.23	15.85	7.09	4.99	1.22	15.68	
	6	15	2.99	2.74	0.43	1.9	3.37	3.31	0.48	2.15	3.83	3.83	0.55	2.55	4.32	4.32	0.62	3.29	4.8	4.8	0.69	4.34	
		17	4.13	2.66	0.59	2.95	4.12	3.19	0.59	2.94	4.25	3.73	0.61	3.17	4.5	4.27	0.64	3.64	4.83	4.79	0.69	4.42	
		19	-	-	-	-	5.55	3.11	0.79	6.48	5.52	3.63	0.79	6.38	5.49	4.15	0.78	6.27	5.53	4.67	0.79	6.42	
		20	-	-	-	-	6.41	3.11	0.92	9.27	6.37	3.63	0.91	9.14	6.33	4.15	0.91	9.01	6.29	4.65	0.9	8.88	
7	3	15	3.26	2.92	0.93	9.7	3.53	3.48	1.01	11.31	4.02	4.02	1.15	14.06	4.54	4.54	1.31	17.54	5.05	5.05	1.45	20.88	
		17	4.85	2.97	1.4	19.58	4.81	3.48	1.39	19.36	4.78	4	1.38	19.12	4.85	4.52	1.4	19.59	5.09	5.05	1.46	21.03	
		19	-	-	-	-	6.5	3.52	1.88	32.37	6.46	4.03	1.87	32.03	6.42	4.54	1.86	31.7	6.38	5.04	1.84	31.36	
		20	-	-	-	-	7.38	3.53	2.14	40.34	7.34	4.04	2.12	39.92	7.29	4.55	2.11	39.5	7.25	5.06	2.1	39.1	
	4	15	2.9	2.71	0.62	3.41	3.25	3.24	0.7	4.66	3.74	3.74	0.81	6.83	4.25	4.25	0.92	9.3	4.78	4.78	1.03	11.65	
		17	4.06	2.63	0.87	8.37	4.03	3.15	0.87	8.23	4.12	3.69	0.89	8.68	4.38	4.24	0.94	9.87	4.79	4.78	1.03	11.68	
		19	-	-	-	-	5.81	3.22	1.26	16.23	5.78	3.74	1.25	16.05	5.74	4.25	1.24	15.87	5.7	4.75	1.23	15.71	
		20	-	-	-	-	6.71	3.24	1.44	20.54	6.67	3.75	1.43	20.33	6.63	4.27	1.43	20.11	6.59	4.77	1.42	19.9	
	5	15	2.6	2.51	0.45	1.91	3.05	3.05	0.53	2.34	3.55	3.55	0.61	3.25	4.02	4.02	0.69	4.58	4.51	4.51	0.78	6.23	
		17	3.5	2.4	0.6	3.16	3.55	2.94	0.61	3.28	3.75	3.48	0.65	3.8	4.07	4.01	0.7	4.73	4.52	4.52	0.78	6.25	
		19	-	-	-	-	4.98	2.87	0.86	8.02	4.95	3.39	0.85	7.9	4.9	4.33	0.92	30	5.03	4.45	0.86	8.2	
		20	-	-	-	-	5.93	2.91	1.02	11.36	5.89	3.43	1.01	11.23	5.85	3.95	1.01	11.1	5.81	4.45	1	10.96	
	6	15	2.32	2.29	0.33	1.4	2.83	2.83	0.41	1.71	3.34	3.34	0.48	2.05	3.85	3.85	0.55	2.59	4.33	4.33	0.62	3.46	
		17	2.93	2.16	0.42	1.76	3.15	2.73	0.45	1.9	3.47	3.3	0.5	2.14	3.87	3.85	0.56	2.61	4.33	4.33	0.62	3.47	
		19	-	-	-	-	4.4	2.65	0.63	3.66	4.38	3.17	0.63	3.6	4.46	3.7	0.64	3.78	4.65	4.24	0.67	4.23	
		20	-	-	-	-	5.16	2.61	0.74	5.57	5.13	3.13	0.74	5.48	5.1	3.64	0.73	5.39	5.13	4.17	0.74	5.49	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V800F-CA																							
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	
9	3	15	2.46	2.45	0.71	4.93	2.96	2.96	0.85	7.95	3.5	3.5	1	10.95	4.02	4.02	1.15	13.88	4.54	4.54	1.31	17.16	
		17	3.53	2.41	1.01	11.11	3.52	2.93	1.01	11.04	3.68	3.48	1.06	11.95	4.03	4.03	1.16	13.94	4.55	4.55	1.31	17.2	
		19	-	-	-	-	5.24	2.98	1.5	21.78	5.21	3.5	1.49	21.53	5.17	4.01	1.48	21.28	5.16	4.52	1.48	21.19	
		20	-	-	-	-	6.15	3	1.78	29.02	6.11	3.52	1.77	28.7	6.07	4.03	1.76	28.39	6.03	4.54	1.75	28.08	
	4	15	2.26	2.25	0.49	2.04	2.76	2.76	0.6	3.15	3.24	3.24	0.7	4.83	3.74	3.74	0.81	7.04	4.26	4.26	0.92	9.33	
		17	2.86	2.14	0.62	3.49	3.01	2.69	0.65	4	3.3	3.23	0.71	5.06	3.75	3.75	0.81	7.05	4.27	4.27	0.92	9.36	
		19	-	-	-	-	4.45	2.66	0.96	10.07	4.42	3.18	0.95	9.92	4.43	3.7	0.95	9.96	4.59	4.24	0.99	10.61	
		20	-	-	-	-	5.41	2.7	1.17	14.07	5.37	3.22	1.16	13.94	5.34	3.74	1.16	13.84	5.31	4.25	1.15	13.68	
	5	15	2.02	2.02	0.35	1.4	2.54	2.54	0.44	1.77	3.06	3.06	0.53	2.33	3.54	3.54	0.61	3.38	4.02	4.02	0.69	4.79	
		17	2.36	1.92	0.41	1.63	2.68	2.5	0.46	1.87	3.08	3.06	0.53	2.37	3.55	3.55	0.61	3.39	4.03	4.03	0.69	4.8	
		19	-	-	-	-	3.72	2.38	0.64	3.9	3.74	2.91	0.64	3.93	3.9	3.45	0.67	4.41	4.17	3.99	0.72	5.27	
		20	-	-	-	-	4.53	2.36	0.78	6.56	4.5	2.88	0.78	6.46	4.48	3.4	0.77	6.37	4.59	3.94	0.79	6.75	
	6	15	1.78	1.78	0.26	1.01	2.31	2.31	0.33	1.32	2.84	2.84	0.41	1.62	3.35	3.35	0.48	1.98	3.85	3.85	0.55	2.62	
		17	1.94	1.71	0.28	1.09	2.36	2.29	0.34	1.34	2.84	2.84	0.41	1.62	3.36	3.36	0.48	1.98	3.85	3.85	0.55	2.63	
		19	-	-	-	-	3.15	2.16	0.45	1.79	3.31	2.72	0.47	1.93	3.59	3.28	0.51	2.23	3.93	3.82	0.56	2.76	
		20	-	-	-	-	3.94	2.14	0.57	2.81	3.92	2.67	0.56	2.76	4	3.2	0.57	2.91	4.2	3.74	0.6	3.32	
11	3	15	1.95	1.95	0.56	2.7	2.45	2.45	0.7	5	2.97	2.97	0.85	7.98	3.51	3.51	1	10.69	4.03	4.03	1.15	13.54	
		17	2.23	1.88	0.64	3.89	2.51	2.44	0.72	5.33	2.97	2.97	0.85	7.99	3.51	3.51	1	10.72	4.03	4.03	1.15	13.57	
		19	-	-	-	-	3.87	2.43	1.1	12.61	3.83	2.95	1.09	12.41	3.9	3.48	1.11	12.82	4.15	4.03	1.19	14.33	
		20	-	-	-	-	4.79	2.46	1.37	18.17	4.75	2.98	1.36	17.95	4.72	3.49	1.35	17.73	4.71	4.01	1.34	17.64	
	4	15	1.74	1.74	0.37	1.44	2.26	2.26	0.48	1.97	2.75	2.75	0.59	3.18	3.24	3.24	0.69	4.97	3.75	3.75	0.8	7.14	
		17	1.86	1.69	0.4	1.53	2.28	2.26	0.49	2	2.76	2.76	0.59	3.19	3.25	3.25	0.7	4.99	3.76	3.76	0.8	7.16	
		19	-	-	-	-	3.03	2.12	0.65	4.16	3.14	2.66	0.67	4.55	3.39	3.22	0.73	5.6	3.78	3.76	0.81	7.24	
		20	-	-	-	-	3.91	2.13	0.84	7.79	3.88	2.65	0.83	7.65	3.9	3.18	0.83	7.75	4.09	3.73	0.88	8.49	
	5	15	1.5	1.5	0.26	0.98	2.04	2.04	0.35	1.34	2.56	2.56	0.44	1.7	3.07	3.07	0.53	2.39	3.54	3.54	0.61	3.53	
		17	1.54	1.48	0.26	1.01	2.04	2.03	0.35	1.34	2.56	2.56	0.44	1.7	3.07	3.07	0.53	2.4	3.55	3.55	0.61	3.54	
		19	-	-	-	-	2.52	1.92	0.43	1.66	2.79	2.49	0.48	1.95	3.14	3.04	0.54	2.54	3.55	3.55	0.61	3.55	
		20	-	-	-	-	3.24	1.88	0.56	2.78	3.25	2.42	0.56	2.81	3.42	2.96	0.59	3.22	3.7	3.51	0.64	3.98	
	6	15	1.26	1.26	0.18	0.67	1.8	1.8	0.26	0.97	2.33	2.33	0.33	1.26	2.85	2.85	0.41	1.55	3.36	3.36	0.48	1.97	
		17	1.26	1.26	0.18	0.67	1.8	1.8	0.26	0.97	2.34	2.34	0.34	1.26	2.86	2.86	0.41	1.55	3.37	3.37	0.48	1.97	
		19	-	-	-	-	2.03	1.71	0.29	1.09	2.44	2.29	0.35	1.31	2.88	2.85	0.41	1.56	3.37	3.37	0.48	1.97	
		20	-	-	-	-	2.54	1.64	0.37	1.36	2.76	2.21	0.4	1.48	3.08	2.79	0.44	1.69	3.45	3.34	0.5	2.08	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V800F-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
13	3	15	1.45	1.45	0.42	1.55	1.96	1.96	0.56	2.88	2.46	2.46	0.71	5.31	2.99	2.99	0.86	8.12	3.52	3.52	1.01	10.71	
		17	1.45	1.45	0.42	1.55	1.96	1.96	0.56	2.89	2.46	2.46	0.71	5.33	2.99	2.99	0.86	8.14	3.52	3.52	1.01	10.74	
		19	-	-	-	-	2.37	1.87	0.68	4.85	2.6	2.43	0.75	6.13	3	3	0.86	8.2	3.53	3.53	1.01	10.77	
		20	-	-	-	-	3.29	1.9	0.94	9.54	3.25	2.42	0.93	9.37	3.36	2.96	0.97	9.91	3.63	3.52	1.04	11.3	
	4	15	1.21	1.21	0.26	0.96	1.75	1.75	0.38	1.38	2.27	2.27	0.49	2.01	2.75	2.75	0.59	3.37	3.25	3.25	0.7	5.16	
		17	1.21	1.21	0.26	0.96	1.75	1.75	0.38	1.38	2.27	2.27	0.49	2.02	2.76	2.76	0.59	3.38	3.25	3.25	0.7	5.17	
		19	-	-	-	-	1.95	1.69	0.42	1.55	2.32	2.25	0.5	2.13	2.76	2.76	0.59	3.38	3.26	3.26	0.7	5.19	
		20	-	-	-	-	2.49	1.62	0.54	2.57	2.61	2.17	0.56	2.93	2.89	2.72	0.62	3.84	3.27	3.26	0.7	5.25	
	5	15	0.96	0.96	0.16	0.59	1.51	1.51	0.26	0.93	2.04	2.04	0.35	1.27	2.57	2.57	0.44	1.65	3.06	3.06	0.52	2.43	
		17	0.96	0.96	0.16	0.59	1.51	1.51	0.26	0.93	2.05	2.05	0.35	1.27	2.57	2.57	0.44	1.65	3.06	3.06	0.53	2.44	
		19	-	-	-	-	1.57	1.48	0.27	0.97	2.05	2.05	0.35	1.27	2.57	2.57	0.44	1.65	3.07	3.07	0.53	2.45	
		20	-	-	-	-	1.87	1.4	0.32	1.15	2.22	1.98	0.38	1.37	2.63	2.55	0.45	1.71	3.07	3.07	0.53	2.45	
	6	15	0.69	0.69	0.1	0.35	1.27	1.27	0.18	0.64	1.81	1.81	0.26	0.92	2.34	2.34	0.34	1.19	2.86	2.86	0.41	1.48	
		17	0.69	0.69	0.1	0.35	1.27	1.27	0.18	0.64	1.81	1.81	0.26	0.92	2.34	2.34	0.34	1.2	2.87	2.87	0.41	1.48	
		19	-	-	-	-	1.28	1.26	0.18	0.65	1.82	1.82	0.26	0.92	2.35	2.35	0.34	1.2	2.87	2.87	0.41	1.48	
		20	-	-	-	-	1.4	1.19	0.2	0.71	1.88	1.78	0.27	0.95	2.36	2.34	0.34	1.2	2.87	2.87	0.41	1.48	
15	3	15	0.91	0.91	0.26	0.91	1.45	1.45	0.41	1.48	1.95	1.95	0.56	2.91	2.46	2.46	0.7	5.36	2.99	2.99	0.85	7.92	
		17	0.91	0.91	0.26	0.92	1.45	1.45	0.41	1.48	1.95	1.95	0.56	2.92	2.46	2.46	0.7	5.38	2.99	2.99	0.85	7.94	
		19	-	-	-	-	1.47	1.45	0.42	1.51	1.96	1.95	0.56	2.93	2.46	2.46	0.7	5.39	3	3	0.86	7.96	
		20	-	-	-	-	1.77	1.37	0.5	2.23	2.04	1.93	0.58	3.3	2.46	2.46	0.7	5.39	3	3	0.86	7.97	
	4	15	0.66	0.66	0.14	0.49	1.22	1.22	0.26	0.91	1.75	1.75	0.38	1.31	2.27	2.27	0.49	2.03	2.75	2.75	0.59	3.44	
		17	0.66	0.66	0.14	0.49	1.22	1.22	0.26	0.91	1.75	1.75	0.38	1.31	2.27	2.27	0.49	2.04	2.75	2.75	0.59	3.45	
		19	-	-	-	-	1.22	1.21	0.26	0.91	1.76	1.76	0.38	1.31	2.27	2.27	0.49	2.04	2.76	2.76	0.59	3.46	
		20	-	-	-	-	1.32	1.17	0.28	0.98	1.78	1.75	0.38	1.33	2.27	2.27	0.49	2.04	2.76	2.76	0.59	3.47	
	5	15	0.38	0.38	0.07	0.22	0.98	0.98	0.17	0.58	1.53	1.53	0.26	0.9	2.06	2.06	0.35	1.22	2.58	2.58	0.44	1.66	
		17	0.39	0.39	0.07	0.22	0.98	0.98	0.17	0.58	1.53	1.53	0.26	0.9	2.06	2.06	0.36	1.22	2.58	2.58	0.44	1.66	
		19	-	-	-	-	0.98	0.98	0.17	0.58	1.53	1.53	0.26	0.9	2.06	2.06	0.36	1.22	2.58	2.58	0.45	1.67	
		20	-	-	-	-	1	0.97	0.17	0.58	1.53	1.53	0.26	0.9	2.06	2.06	0.36	1.22	2.58	2.58	0.45	1.67	
	6	15	-	-	-	-	0.71	0.71	0.1	0.34	1.29	1.29	0.18	0.62	1.83	1.83	0.26	0.89	2.36	2.36	0.34	1.15	
		17	-	-	-	-	0.71	0.71	0.1	0.34	1.29	1.29	0.18	0.62	1.83	1.83	0.26	0.89	2.36	2.36	0.34	1.15	
		19	-	-	-	-	0.71	0.71	0.1	0.34	1.29	1.29	0.19	0.62	1.83	1.83	0.26	0.89	2.37	2.37	0.34	1.15	
		20	-	-	-	-	0.71	0.71	0.1	0.34	1.29	1.29	0.19	0.62	1.84	1.84	0.26	0.89	2.37	2.37	0.34	1.15	

Abbreviations:

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V1000F-CA																							
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	7.59	5.73	2.17	56.39	7.54	6.54	2.16	55.77	7.67	7.36	2.2	57.51	8.19	8.18	2.36	65.19	8.98	8.98	2.59	76.53	
		17	10.03	5.77	2.9	92.86	9.97	6.58	2.89	91.92	9.91	7.38	2.87	90.98	9.83	8.16	2.82	88.12	9.81	8.95	2.83	89.09	
		19	-	-	-	-	12.55	6.6	3.61	135.71	12.49	7.43	3.6	135.02	12.41	8.2	3.58	133.32	12.33	8.98	3.55	131.98	
		20	-	-	-	-	13.92	6.61	4.02	163.11	13.84	7.42	3.99	161.47	13.76	8.21	3.97	159.87	13.68	9	3.95	158.27	
	4	15	6.76	5.34	1.45	28.04	6.84	6.18	1.47	28.68	7.19	7.04	1.54	31.27	7.87	7.87	1.69	36.45	8.66	8.66	1.86	43.02	
		17	9.26	5.41	1.99	48.2	9.2	6.22	1.98	47.7	9.15	7.02	1.96	47.22	9.1	7.82	1.95	46.78	9.21	8.63	1.98	47.79	
		19	-	-	-	-	11.84	6.27	2.56	74.45	11.77	7.07	2.54	73.71	11.7	7.87	2.53	72.97	11.62	8.65	2.5	71.4	
		20	-	-	-	-	13.22	6.29	2.86	90.25	13.15	7.09	2.84	89.35	13.07	7.89	2.83	88.46	13	8.68	2.81	87.58	
	5	15	5.87	4.92	1.01	15.1	6.21	5.81	1.07	16.71	6.76	6.7	1.16	19.29	7.52	7.52	1.29	22.99	8.33	8.33	1.43	27.37	
		17	8.39	5.01	1.44	27.65	8.34	5.82	1.43	27.35	8.28	6.63	1.42	27.04	8.38	7.45	1.44	27.59	8.68	8.31	1.5	29.55	
		19	-	-	-	-	11.04	5.9	1.9	44.22	10.97	6.71	1.88	43.77	10.91	7.5	1.87	43.33	10.84	8.29	1.86	42.89	
		20	-	-	-	-	12.44	5.93	2.14	54.37	12.37	6.74	2.13	53.83	12.3	7.53	2.11	53.3	12.23	8.32	2.1	52.78	
	6	15	5.22	4.57	0.75	7.33	5.68	5.46	0.81	9.19	6.34	6.33	0.91	12.08	7.17	7.17	1.03	15.52	7.98	7.98	1.14	18.6	
		17	7.41	4.58	1.06	16.42	7.35	5.39	1.05	16.21	7.43	6.23	1.07	16.53	7.71	7.09	1.1	17.52	8.17	7.96	1.17	19.35	
		19	-	-	-	-	10.15	5.51	1.45	27.91	10.09	6.31	1.44	27.62	10.03	7.11	1.43	27.34	9.97	7.91	1.43	27.06	
		20	-	-	-	-	11.61	5.56	1.67	35.35	11.54	6.37	1.66	35	11.47	7.17	1.65	34.65	11.41	7.96	1.64	34.3	
7	3	15	5.78	4.89	1.67	35.28	5.99	5.74	1.73	37.58	6.57	6.57	1.89	43.56	7.38	7.38	2.12	53.2	8.17	8.17	2.35	63.52	
		17	8.22	4.93	2.37	64.13	8.16	5.74	2.35	63.39	8.12	6.55	2.34	63.18	8.11	7.35	2.34	63.07	8.35	8.17	2.41	66.31	
		19	-	-	-	-	10.77	5.77	3.11	102.89	10.71	6.58	3.1	102.35	10.66	7.38	3.1	102.31	10.6	8.17	3.08	101.25	
		20	-	-	-	-	12.15	5.79	3.53	128.21	12.08	6.59	3.49	125.86	12.02	7.4	3.5	126.34	11.94	8.18	3.46	123.82	
	4	15	5.01	4.5	1.08	16.69	5.5	5.4	1.18	19.53	6.25	6.25	1.34	24.27	7.07	7.07	1.53	30.25	7.86	7.86	1.69	35.97	
		17	7.39	4.56	1.6	32.59	7.34	5.38	1.59	32.22	7.32	6.19	1.58	32.09	7.52	7.03	1.63	33.58	7.93	7.86	1.71	36.54	
		19	-	-	-	-	10	5.43	2.17	54.94	9.94	6.24	2.15	54.35	9.88	7.04	2.14	53.77	9.82	7.83	2.13	53.21	
		20	-	-	-	-	11.39	5.45	2.46	68.49	11.31	6.26	2.44	67.36	11.24	7.06	2.42	66.68	11.18	7.85	2.41	65.99	
	5	15	4.42	4.15	0.76	7.9	5.05	5.04	0.87	11.04	5.89	5.89	1.01	14.99	6.72	6.72	1.16	18.73	7.54	7.54	1.3	22.76	
		17	6.38	4.13	1.1	17.16	6.35	4.95	1.09	17.04	6.55	5.81	1.13	17.92	6.96	6.69	1.2	19.88	7.56	7.55	1.3	22.88	
		19	-	-	-	-	9.13	5.06	1.58	31.76	9.07	5.87	1.57	31.42	9.01	6.67	1.6	38.95	8.99	7.47	1.55	30.95	
		20	-	-	-	-	10.54	5.09	1.81	40.32	10.47	5.9	1.8	39.9	10.41	6.7	1.79	39.49	10.35	7.49	1.78	39.08	
	6	15	4.06	3.9	0.58	3.93	4.73	4.73	0.68	5.86	5.53	5.53	0.79	8.86	6.35	6.35	0.91	12.23	7.19	7.19	1.03	15.35	
		17	5.25	3.67	0.75	7.82	5.47	4.54	0.78	8.65	5.88	5.44	0.84	10.35	6.46	6.33	0.93	12.65	7.19	7.19	1.03	15.38	
		19	-	-	-	-	8.11	4.64	1.16	18.84	8.06	5.45	1.16	18.63	8.03	6.26	1.15	18.53	8.2	7.1	1.18	19.22	
		20	-	-	-	-	9.61	4.7	1.38	25.24	9.55	5.51	1.37	24.97	9.49	6.32	1.37	24.71	9.43	7.11	1.36	24.42	

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V1000F-CA																							
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	
9	3	15	4.2	4.08	1.21	19.94	4.95	4.94	1.43	26.65	5.76	5.76	1.66	34.21	6.58	6.58	1.9	43.51	7.37	7.37	2.12	52.31	
		17	6.26	4.07	1.8	39.41	6.21	4.89	1.78	38.88	6.29	5.72	1.81	39.8	6.66	6.57	1.93	44.51	7.38	7.38	2.12	52.43	
		19	-	-	-	-	8.87	4.94	2.58	73.15	8.82	5.75	2.56	72.35	8.75	6.55	2.54	71.17	8.7	7.35	2.53	70.72	
		20	-	-	-	-	10.25	4.96	2.98	94.31	10.19	5.77	2.96	93.3	10.13	6.57	2.95	92.32	10.07	7.37	2.93	91.33	
	4	15	3.74	3.72	0.8	9.37	4.58	4.58	0.99	14.13	5.43	5.43	1.17	18.92	6.26	6.26	1.35	24.2	7.06	7.06	1.52	29.47	
		17	5.26	3.67	1.14	17.89	5.35	4.51	1.15	18.41	5.71	5.39	1.23	20.55	6.28	6.26	1.36	24.35	7.07	7.07	1.52	29.54	
		19	-	-	-	-	7.98	4.58	1.72	36.34	7.93	5.39	1.71	35.92	7.87	6.19	1.7	35.48	7.94	7.01	1.71	36.05	
		20	-	-	-	-	9.4	4.61	2.03	48.16	9.34	5.42	2.01	47.64	9.28	6.22	2	47.12	9.22	7.02	1.99	46.73	
	5	15	3.43	3.43	0.59	4.15	4.23	4.23	0.73	7.31	5.06	5.06	0.87	11.22	5.91	5.91	1.02	14.88	6.73	6.73	1.16	18.5	
		17	4.2	3.23	0.72	7.22	4.59	4.13	0.79	9.04	5.17	5.04	0.89	11.7	5.92	5.91	1.02	14.91	6.74	6.74	1.16	18.54	
		19	-	-	-	-	6.97	4.17	1.2	19.56	6.91	4.98	1.19	19.3	7	5.82	1.21	19.72	7.29	6.68	1.26	21.15	
		20	-	-	-	-	8.45	4.23	1.46	27.24	8.39	5.04	1.45	26.91	8.33	5.85	1.44	26.58	8.31	6.65	1.43	26.44	
	6	15	3.13	3.13	0.45	2.39	3.95	3.95	0.57	3.76	4.74	4.74	0.68	6.13	5.54	5.54	0.8	9.19	6.38	6.38	0.92	12.3	
		17	3.62	2.95	0.52	3.03	4.15	3.86	0.59	4.28	4.77	4.73	0.68	6.26	5.55	5.55	0.8	9.21	6.39	6.39	0.92	12.33	
		19	-	-	-	-	5.71	3.68	0.82	9.87	5.83	4.54	0.84	10.33	6.2	5.44	0.89	11.65	6.7	6.34	0.96	13.39	
		20	-	-	-	-	7.33	3.79	1.05	15.57	7.28	4.61	1.04	15.38	7.26	5.42	1.04	15.31	7.46	6.28	1.07	16.05	
11	3	15	3.26	3.26	0.93	12.59	4.11	4.11	1.17	18.7	4.94	4.94	1.41	25.62	5.76	5.76	1.64	33.29	6.57	6.57	1.89	42.3	
		17	4.09	3.2	1.17	18.47	4.38	4.08	1.25	20.84	4.95	4.95	1.41	25.72	5.77	5.77	1.65	33.37	6.58	6.58	1.89	42.41	
		19	-	-	-	-	6.77	4.09	1.94	44	6.72	4.9	1.92	43.46	6.71	5.72	1.92	43.29	6.92	6.55	1.98	45.68	
		20	-	-	-	-	8.18	4.11	2.34	61.05	8.12	4.93	2.32	60.33	8.07	5.73	2.31	59.62	8.01	6.53	2.29	58.86	
	4	15	2.92	2.92	0.62	4.98	3.74	3.74	0.8	9.46	4.6	4.6	0.99	13.87	5.44	5.44	1.17	18.42	6.26	6.26	1.34	23.4	
		17	3.24	2.81	0.69	6.63	3.82	3.72	0.82	9.92	4.6	4.6	0.99	13.89	5.45	5.45	1.17	18.46	6.27	6.27	1.34	23.46	
		19	-	-	-	-	5.75	3.69	1.23	20.19	5.74	4.52	1.23	20.18	5.99	5.38	1.28	21.71	6.43	6.25	1.38	24.52	
		20	-	-	-	-	7.23	3.75	1.55	30.02	7.18	4.56	1.54	29.63	7.12	5.37	1.53	29.21	7.21	6.2	1.55	29.86	
	5	15	2.63	2.63	0.45	2.35	3.44	3.44	0.59	4.36	4.24	4.24	0.73	7.63	5.09	5.09	0.88	11.31	5.92	5.92	1.02	14.55	
		17	2.79	2.55	0.48	2.6	3.46	3.44	0.6	4.43	4.25	4.25	0.73	7.65	5.1	5.1	0.88	11.33	5.93	5.93	1.02	14.59	
		19	-	-	-	-	4.52	3.23	0.78	8.88	4.86	4.13	0.84	10.37	5.38	5.05	0.93	12.42	6	5.94	1.03	14.97	
		20	-	-	-	-	6.1	3.32	1.05	15.37	6.04	4.14	1.04	15.12	6.18	4.99	1.06	15.7	6.51	5.87	1.12	17.2	
	6	15	2.28	2.28	0.33	1.63	3.15	3.15	0.45	2.33	3.96	3.96	0.57	3.92	4.74	4.74	0.68	6.33	5.56	5.56	0.8	9.33	
		17	2.33	2.24	0.33	1.66	3.16	3.16	0.45	2.34	3.96	3.96	0.57	3.93	4.75	4.75	0.68	6.35	5.57	5.57	0.8	9.36	
		19	-	-	-	-	3.78	2.93	0.54	3.49	4.27	3.83	0.61	4.84	4.86	4.71	0.69	6.76	5.58	5.58	0.8	9.4	
		20	-	-	-	-	4.71	2.82	0.67	6.27	4.9	3.7	0.7	6.93	5.32	4.6	0.76	8.45	5.87	5.51	0.84	10.39	

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V1000F-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
13	3	15	2.41	2.41	0.69	6.74	3.27	3.27	0.94	12.64	4.12	4.12	1.18	18.71	4.95	4.95	1.42	25.57	5.75	5.75	1.64	32.78	
		17	2.44	2.4	0.7	6.99	3.28	3.28	0.94	12.66	4.13	4.13	1.19	18.75	4.95	4.95	1.42	25.63	5.76	5.76	1.65	32.86	
		19	-	-	-	-	4.45	3.21	1.28	21.33	4.63	4.07	1.33	22.8	5.06	4.94	1.45	26.48	5.77	5.76	1.65	32.92	
		20	-	-	-	-	5.9	3.25	1.69	34.24	5.86	4.07	1.67	33.76	5.86	4.89	1.68	33.84	6.12	5.74	1.75	36.41	
	4	15	2.12	2.12	0.46	2.34	2.92	2.92	0.63	5.19	3.75	3.75	0.81	9.6	4.61	4.61	0.99	13.71	5.45	5.45	1.17	18.36	
		17	2.12	2.12	0.46	2.34	2.92	2.92	0.63	5.21	3.76	3.76	0.81	9.63	4.62	4.62	0.99	13.74	5.46	5.46	1.18	18.41	
		19	-	-	-	-	3.4	2.79	0.73	7.73	3.96	3.72	0.85	10.57	4.64	4.62	0.99	13.85	5.46	5.46	1.18	18.46	
		20	-	-	-	-	4.75	2.83	1.02	14.5	4.79	3.68	1.03	14.71	5.12	4.56	1.1	16.52	5.62	5.44	1.21	19.34	
	5	15	1.76	1.76	0.3	1.44	2.64	2.64	0.45	2.3	3.44	3.44	0.59	4.47	4.25	4.25	0.73	7.76	5.1	5.1	0.88	11.12	
		17	1.76	1.75	0.3	1.44	2.64	2.64	0.45	2.3	3.44	3.44	0.59	4.48	4.26	4.26	0.73	7.79	5.11	5.11	0.88	11.14	
		19	-	-	-	-	2.87	2.53	0.49	2.76	3.5	3.41	0.6	4.71	4.25	4.25	0.73	7.8	5.12	5.12	0.88	11.17	
		20	-	-	-	-	3.46	2.38	0.59	4.59	3.89	3.29	0.67	6.24	4.46	4.2	0.77	8.68	5.16	5.11	0.89	11.33	
	6	15	1.36	1.36	0.19	0.91	2.29	2.29	0.33	1.55	3.16	3.16	0.45	2.3	3.95	3.95	0.57	4.03	4.75	4.75	0.68	6.57	
		17	1.36	1.36	0.19	0.91	2.29	2.29	0.33	1.55	3.16	3.16	0.45	2.3	3.96	3.96	0.57	4.04	4.76	4.76	0.68	6.6	
		19	-	-	-	-	2.38	2.23	0.34	1.61	3.18	3.15	0.46	2.33	3.96	3.96	0.57	4.05	4.76	4.76	0.68	6.62	
		20	-	-	-	-	2.74	2.09	0.39	1.85	3.41	3.04	0.49	2.72	4.05	3.92	0.58	4.3	4.77	4.77	0.68	6.63	
15	3	15	1.59	1.59	0.45	2.3	2.41	2.41	0.69	6.8	3.27	3.27	0.93	12.31	4.12	4.12	1.18	18.43	4.94	4.94	1.41	24.81	
		17	1.59	1.59	0.45	2.31	2.41	2.41	0.69	6.82	3.28	3.28	0.94	12.34	4.13	4.13	1.19	18.48	4.94	4.94	1.41	24.87	
		19	-	-	-	-	2.49	2.39	0.71	7.4	3.28	3.27	0.93	12.33	4.13	4.13	1.19	18.53	4.95	4.95	1.41	24.94	
		20	-	-	-	-	3.28	2.33	0.93	12.3	3.65	3.23	1.05	14.94	4.19	4.12	1.21	19	4.95	4.95	1.41	24.95	
	4	15	1.23	1.23	0.26	1.22	2.12	2.12	0.45	2.31	2.92	2.92	0.63	5.41	3.78	3.78	0.81	9.72	4.63	4.63	1	13.7	
		17	1.23	1.23	0.26	1.22	2.12	2.12	0.45	2.32	2.93	2.93	0.63	5.43	3.78	3.78	0.82	9.74	4.63	4.63	1	13.73	
		19	-	-	-	-	2.14	2.12	0.46	2.36	2.93	2.93	0.63	5.44	3.79	3.79	0.82	9.77	4.64	4.64	1	13.77	
		20	-	-	-	-	2.42	1.98	0.52	3.24	3.02	2.89	0.65	5.93	3.79	3.79	0.82	9.78	4.64	4.64	1	13.79	
	5	15	0.8	0.8	0.14	0.62	1.78	1.78	0.31	1.39	2.65	2.65	0.46	2.35	3.44	3.44	0.59	4.72	4.27	4.27	0.74	8.02	
		17	0.8	0.8	0.14	0.62	1.78	1.78	0.31	1.4	2.65	2.65	0.46	2.36	3.45	3.45	0.59	4.74	4.28	4.28	0.74	8.05	
		19	-	-	-	-	1.78	1.77	0.31	1.39	2.66	2.66	0.46	2.36	3.45	3.45	0.59	4.75	4.28	4.28	0.74	8.07	
		20	-	-	-	-	1.89	1.71	0.33	1.48	2.69	2.64	0.46	2.43	3.45	3.45	0.59	4.75	4.29	4.29	0.74	8.08	
	6	15	-	-	-	-	1.38	1.38	0.2	0.88	2.31	2.31	0.33	1.49	3.17	3.17	0.46	2.35	3.96	3.96	0.57	4.24	
		17	-	-	-	-	1.38	1.38	0.2	0.88	2.31	2.31	0.33	1.49	3.17	3.17	0.46	2.36	3.96	3.96	0.57	4.25	
		19	-	-	-	-	1.38	1.38	0.2	0.89	2.32	2.32	0.33	1.49	3.18	3.18	0.46	2.36	3.97	3.97	0.57	4.27	
		20	-	-	-	-	1.4	1.36	0.2	0.89	2.32	2.32	0.33	1.5	3.18	3.18	0.46	2.37	3.97	3.97	0.57	4.28	

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V1200F-CA																							
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	8.55	6.48	2.45	69.3	8.5	7.4	2.44	68.58	8.68	8.35	2.51	72.05	9.27	9.27	2.66	79.97	10.18	10.18	2.92	94.1	
		17	11.32	6.52	3.28	114.85	11.26	7.44	3.26	113.71	11.2	8.36	3.24	112.56	11.13	9.26	3.23	111.43	11.08	10.16	3.2	109.65	
		19	-	-	-	-	14.18	7.46	4.09	168.52	14.11	8.38	4.07	166.96	14.04	9.29	4.05	165.48	13.96	10.19	4.03	163.96	
		20	-	-	-	-	15.74	7.47	4.54	202.07	15.66	8.4	4.52	200.19	15.58	9.3	4.49	198.39	15.49	10.2	4.47	196.59	
	4	15	7.59	6.03	1.63	34.24	7.7	6.99	1.65	35.07	8.13	7.97	1.75	38.81	8.91	8.91	1.91	45.12	9.82	9.82	2.11	53.6	
		17	10.44	6.1	2.25	59.78	10.38	7.03	2.24	59.2	10.32	7.95	2.23	58.63	10.27	8.86	2.22	58.11	10.41	9.78	2.25	59.5	
		19	-	-	-	-	13.36	7.07	2.89	91.83	13.28	7.99	2.87	90.96	13.21	8.9	2.86	90.1	13.14	9.8	2.84	89.26	
		20	-	-	-	-	14.91	7.08	3.21	110.23	14.83	8	3.2	109.22	14.75	8.92	3.18	108.19	14.67	9.82	3.16	107.22	
	5	15	6.6	5.56	1.14	18.5	6.99	6.57	1.2	20.42	7.62	7.57	1.31	23.46	8.52	8.52	1.47	28.63	9.44	9.44	1.63	34.12	
		17	9.45	5.66	1.63	34.11	9.4	6.58	1.62	33.77	9.34	7.5	1.61	33.41	9.45	8.44	1.63	34.1	9.8	9.41	1.69	36.31	
		19	-	-	-	-	12.42	6.65	2.13	54.2	12.35	7.57	2.12	53.69	12.29	8.48	2.11	53.19	12.22	9.39	2.1	52.69	
		20	-	-	-	-	14.02	6.68	2.42	67.06	13.94	7.6	2.4	66.44	13.87	8.52	2.39	65.8	13.79	9.42	2.37	65.06	
	6	15	5.75	5.11	0.82	9.48	6.34	6.14	0.91	12.1	7.15	7.15	1.03	15.44	8.1	8.1	1.16	19.03	9.03	9.03	1.29	22.93	
		17	8.29	5.15	1.19	19.78	8.24	6.07	1.18	19.54	8.33	7.03	1.19	19.94	8.68	8.02	1.24	21.41	9.22	9.01	1.32	23.73	
		19	-	-	-	-	11.43	6.21	1.64	34.37	11.36	7.13	1.63	34.05	11.3	8.05	1.62	33.71	11.23	8.95	1.61	33.38	
		20	-	-	-	-	13.05	6.25	1.88	43.21	12.98	7.18	1.87	42.81	12.91	8.09	1.85	42.41	12.84	9	1.84	42.02	
7	3	15	6.47	5.52	1.86	42.34	6.74	6.49	1.94	45.47	7.44	7.44	2.14	53.98	8.37	8.37	2.42	66.57	9.27	9.27	2.67	79.1	
		17	9.26	5.56	2.67	78.86	9.2	6.49	2.65	78.04	9.15	7.41	2.63	77.22	9.14	8.33	2.63	77.2	9.45	9.27	2.74	82.83	
		19	-	-	-	-	12.17	6.53	3.53	128.52	12.1	7.45	3.51	127.22	12.02	8.36	3.48	124.89	11.96	9.26	3.46	123.8	
		20	-	-	-	-	13.74	6.54	4.01	160.19	13.67	7.47	3.99	158.73	13.59	8.38	3.97	157.2	13.52	9.29	3.94	155.66	
	4	15	5.63	5.09	1.21	20.32	6.2	6.1	1.33	23.94	7.07	7.07	1.53	30.26	7.99	7.99	1.72	36.98	8.91	8.91	1.93	45.05	
		17	8.27	5.13	1.78	39.2	8.22	6.06	1.77	38.79	8.21	6.99	1.77	38.67	8.46	7.96	1.83	41.18	8.98	8.92	1.94	45.64	
		19	-	-	-	-	11.24	6.12	2.42	66.64	11.18	7.04	2.41	65.98	11.11	7.96	2.4	65.33	11.05	8.86	2.38	64.68	
		20	-	-	-	-	12.83	6.14	2.77	84.04	12.77	7.08	2.77	84.03	12.7	7.99	2.76	83.23	12.64	8.9	2.74	82.45	
	5	15	4.9	4.65	0.84	10.31	5.69	5.68	0.98	14.09	6.65	6.65	1.14	18.4	7.6	7.6	1.31	23.08	8.54	8.54	1.48	28.35	
		17	7.14	4.65	1.23	20.71	7.11	5.59	1.22	20.56	7.36	6.57	1.27	21.84	7.85	7.57	1.35	24.36	8.56	8.55	1.48	28.46	
		19	-	-	-	-	10.23	5.69	1.76	38.31	10.17	6.61	1.75	37.94	10.03	7.47	1.8	47.72	10.09	8.45	1.74	37.41	
		20	-	-	-	-	11.87	5.73	2.05	49.83	11.8	6.66	2.04	49.34	11.73	7.58	2.03	48.86	11.66	8.48	2.02	48.38	
	6	15	4.46	4.32	0.64	4.98	5.27	5.26	0.75	7.82	6.21	6.21	0.89	11.66	7.18	7.18	1.03	15.31	8.13	8.13	1.17	18.97	
		17	5.78	4.09	0.83	9.93	6.06	5.1	0.87	11.07	6.61	6.14	0.95	13.29	7.29	7.16	1.04	15.7	8.14	8.14	1.17	19.01	
		19	-	-	-	-	9.11	5.22	1.31	23.01	9.04	6.14	1.3	22.64	9.01	7.07	1.29	22.53	9.23	8.04	1.33	23.54	
		20	-	-	-	-	10.76	5.27	1.54	30.42	10.7	6.2	1.53	30.11	10.63	7.12	1.53	29.81	10.57	8.03	1.52	29.49	

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m³/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

Four-way Cassette Units

MKA-V1200F-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
9	3	15	4.73	4.61	1.36	24.39	5.58	5.58	1.6	32.39	6.52	6.52	1.89	42.92	7.44	7.44	2.14	53.2	8.35	8.35	2.41	65.05	
		17	7.05	4.6	2.04	49	7	5.53	2.03	48.37	7.09	6.48	2.06	49.57	7.52	7.44	2.16	54.19	8.36	8.36	2.41	65.2	
		19	-	-	-	-	10	5.58	2.91	90.16	9.94	6.51	2.89	89.24	9.88	7.42	2.87	88.28	9.81	8.33	2.85	87.27	
		20	-	-	-	-	11.57	5.6	3.37	116.66	11.5	6.53	3.35	115.45	11.44	7.44	3.33	114.25	11.37	8.35	3.31	113.06	
	4	15	4.2	4.19	0.9	12.09	5.18	5.18	1.12	17.42	6.14	6.14	1.33	23.43	7.07	7.07	1.52	29.54	7.99	7.99	1.72	36.47	
		17	5.9	4.13	1.27	21.72	6	5.1	1.29	22.35	6.43	6.1	1.39	25.29	7.09	7.08	1.53	29.66	8.01	8.01	1.72	36.55	
		19	-	-	-	-	8.99	5.17	1.95	45.01	8.93	6.09	1.94	44.52	8.87	7.01	1.92	43.98	8.96	7.95	1.94	44.72	
		20	-	-	-	-	10.57	5.19	2.28	58.98	10.5	6.11	2.27	58.39	10.45	7.04	2.26	58.16	10.4	7.95	2.26	57.94	
	5	15	3.8	3.8	0.65	5.49	4.73	4.73	0.81	9.7	5.72	5.72	0.99	14.12	6.68	6.68	1.15	18.23	7.62	7.62	1.31	22.81	
		17	4.62	3.61	0.8	9.18	5.13	4.65	0.88	11.51	5.83	5.7	1.01	14.53	6.68	6.68	1.15	18.25	7.63	7.63	1.31	22.86	
		19	-	-	-	-	7.81	4.7	1.34	23.75	7.75	5.62	1.33	23.43	7.85	6.58	1.35	23.99	8.2	7.56	1.41	25.85	
		20	-	-	-	-	9.47	4.75	1.63	33.07	9.41	5.68	1.62	32.72	9.35	6.6	1.61	32.36	9.33	7.52	1.61	32.21	
	6	15	3.48	3.48	0.5	2.8	4.38	4.38	0.63	4.95	5.29	5.29	0.76	8.19	6.25	6.25	0.9	11.84	7.21	7.21	1.03	15.19	
		17	3.93	3.27	0.56	3.73	4.55	4.29	0.65	5.52	5.31	5.28	0.76	8.29	6.26	6.26	0.9	11.86	7.22	7.22	1.04	15.22	
		19	-	-	-	-	6.38	4.15	0.92	12.28	6.53	5.13	0.94	12.79	6.96	6.15	1	14.28	7.54	7.17	1.08	16.36	
		20	-	-	-	-	8.21	4.26	1.18	18.86	8.15	5.19	1.17	18.64	8.13	6.12	1.17	18.57	8.37	7.1	1.2	19.52	
11	3	15	3.68	3.68	1.05	15.43	4.64	4.64	1.33	23.02	5.59	5.59	1.6	31.6	6.53	6.53	1.88	41.81	7.45	7.45	2.14	52.53	
		17	4.57	3.61	1.31	22.39	4.92	4.61	1.41	25.44	5.6	5.59	1.6	31.67	6.54	6.54	1.88	41.9	7.46	7.46	2.15	52.65	
		19	-	-	-	-	7.63	4.62	2.2	54.79	7.58	5.55	2.18	54.14	7.56	6.48	2.18	53.93	7.8	7.42	2.23	56.26	
		20	-	-	-	-	9.2	4.64	2.64	74.98	9.15	5.57	2.62	74.17	9.09	6.49	2.6	73.36	9.04	7.41	2.6	73.2	
	4	15	3.24	3.24	0.69	6.64	4.22	4.22	0.9	11.97	5.2	5.2	1.11	17.05	6.15	6.15	1.32	22.7	7.08	7.08	1.52	28.97	
		17	3.58	3.14	0.77	8.52	4.3	4.2	0.92	12.37	5.2	5.2	1.11	17.07	6.16	6.16	1.32	22.75	7.09	7.09	1.52	29.04	
		19	-	-	-	-	6.44	4.16	1.38	24.51	6.43	5.11	1.38	24.5	6.73	6.09	1.44	26.49	7.25	7.08	1.56	30.23	
		20	-	-	-	-	8.12	4.22	1.75	36.88	8.07	5.15	1.74	36.46	8.01	6.08	1.73	35.99	8.11	7.02	1.75	36.8	
	5	15	2.92	2.92	0.5	2.85	3.82	3.82	0.66	5.79	4.77	4.77	0.82	9.98	5.74	5.74	0.99	13.8	6.71	6.71	1.16	18.08	
		17	3.06	2.84	0.53	3.19	3.83	3.82	0.66	5.85	4.78	4.78	0.82	10.01	5.75	5.75	0.99	13.83	6.71	6.71	1.16	18.12	
		19	-	-	-	-	5.03	3.64	0.87	11.06	5.43	4.66	0.93	12.53	6.05	5.71	1.04	15.15	6.77	6.71	1.17	18.38	
		20	-	-	-	-	6.83	3.74	1.18	18.6	6.77	4.67	1.17	18.32	6.92	5.64	1.19	19.04	7.32	6.64	1.26	20.96	
	6	15	2.52	2.52	0.36	1.8	3.5	3.5	0.5	2.85	4.38	4.38	0.63	5.13	5.31	5.31	0.76	8.41	6.28	6.28	0.9	11.76	
		17	2.56	2.49	0.37	1.83	3.5	3.49	0.5	2.85	4.39	4.39	0.63	5.15	5.32	5.32	0.76	8.43	6.29	6.29	0.9	11.79	
		19	-	-	-	-	4.09	3.24	0.59	4.33	4.68	4.26	0.67	6.13	5.42	5.29	0.77	8.82	6.3	6.3	0.9	11.81	
		20	-	-	-	-	5.15	3.14	0.74	7.86	5.4	4.15	0.77	8.76	5.94	5.19	0.85	10.63	6.6	6.23	0.94	12.78	

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

MKA-V1200F-CA																							
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	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	kW	kW	m^3/h	kPa	
13	3	15	2.7	2.7	0.77	8.87	3.7	3.7	1.06	15.53	4.66	4.66	1.34	23.04	5.59	5.59	1.6	31.17	6.52	6.52	1.87	40.89	
		17	2.73	2.69	0.78	9.08	3.7	3.7	1.06	15.56	4.66	4.66	1.34	23.09	5.6	5.6	1.6	31.24	6.53	6.53	1.87	40.99	
		19	-	-	-	-	4.98	3.62	1.43	25.81	5.17	4.59	1.48	27.24	5.7	5.59	1.63	32.22	6.54	6.53	1.88	41.07	
		20	-	-	-	-	6.63	3.66	1.9	42.09	6.58	4.6	1.89	41.52	6.59	5.54	1.89	41.64	6.9	6.51	1.99	45.4	
	4	15	2.35	2.35	0.51	2.92	3.25	3.25	0.7	6.92	4.24	4.24	0.91	11.89	5.22	5.22	1.12	17.05	6.16	6.16	1.33	22.65	
		17	2.35	2.34	0.51	2.92	3.26	3.26	0.7	6.94	4.25	4.25	0.91	11.91	5.22	5.22	1.13	17.09	6.17	6.17	1.33	22.7	
		19	-	-	-	-	3.78	3.15	0.81	9.74	4.45	4.21	0.95	12.89	5.24	5.23	1.13	17.19	6.18	6.18	1.33	22.76	
		20	-	-	-	-	5.3	3.19	1.14	17.48	5.35	4.15	1.15	17.78	5.75	5.15	1.24	20.09	6.33	6.15	1.36	23.71	
	5	15	1.94	1.94	0.33	1.59	2.92	2.92	0.5	2.88	3.82	3.82	0.66	5.96	4.79	4.79	0.82	9.95	5.76	5.76	0.99	13.67	
		17	1.94	1.94	0.33	1.59	2.92	2.92	0.5	2.89	3.83	3.83	0.66	5.97	4.79	4.79	0.82	9.98	5.77	5.77	0.99	13.7	
		19	-	-	-	-	3.13	2.8	0.54	3.47	3.87	3.81	0.66	6.18	4.79	4.79	0.82	9.99	5.78	5.78	0.99	13.73	
		20	-	-	-	-	3.75	2.65	0.64	5.7	4.29	3.69	0.74	7.96	5.02	4.75	0.86	10.79	5.82	5.77	1	13.88	
	6	15	1.48	1.48	0.21	0.99	2.53	2.53	0.36	1.71	3.5	3.5	0.5	2.9	4.39	4.39	0.63	5.36	5.34	5.34	0.76	8.62	
		17	1.48	1.48	0.21	1	2.54	2.54	0.36	1.71	3.5	3.5	0.5	2.91	4.4	4.4	0.63	5.38	5.34	5.34	0.76	8.64	
		19	-	-	-	-	2.62	2.48	0.37	1.76	3.51	3.5	0.5	2.93	4.4	4.4	0.63	5.4	5.35	5.35	0.77	8.66	
		20	-	-	-	-	2.99	2.33	0.43	2.08	3.72	3.37	0.53	3.43	4.47	4.37	0.64	5.62	5.35	5.35	0.77	8.67	
15	3	15	1.76	1.76	0.5	2.93	2.7	2.7	0.77	8.83	3.7	3.7	1.06	15.36	4.65	4.65	1.33	22.38	5.59	5.59	1.6	30.69	
		17	1.76	1.76	0.5	2.94	2.71	2.71	0.77	8.85	3.71	3.71	1.07	15.39	4.66	4.66	1.33	22.43	5.59	5.59	1.6	30.76	
		19	-	-	-	-	2.79	2.69	0.8	9.38	3.71	3.69	1.07	15.38	4.66	4.66	1.33	22.49	5.6	5.6	1.6	30.84	
		20	-	-	-	-	3.69	2.64	1.06	15.22	4.08	3.65	1.17	18.12	4.72	4.66	1.35	22.95	5.6	5.6	1.6	30.87	
	4	15	1.36	1.36	0.29	1.34	2.34	2.34	0.5	2.96	3.27	3.27	0.7	7.16	4.27	4.27	0.92	11.94	5.22	5.22	1.12	16.66	
		17	1.36	1.36	0.29	1.34	2.34	2.34	0.5	2.97	3.27	3.27	0.7	7.18	4.27	4.27	0.92	11.96	5.23	5.23	1.12	16.7	
		19	-	-	-	-	2.35	2.34	0.5	3	3.27	3.27	0.7	7.21	4.28	4.28	0.92	11.99	5.23	5.23	1.12	16.74	
		20	-	-	-	-	2.62	2.2	0.56	4.05	3.37	3.24	0.72	7.68	4.28	4.28	0.92	11.99	5.24	5.24	1.12	16.76	
	5	15	0.87	0.87	0.15	0.67	1.96	1.96	0.34	1.54	2.93	2.93	0.5	3.04	3.84	3.84	0.66	6.29	4.82	4.82	0.83	10.03	
		17	0.87	0.87	0.15	0.67	1.97	1.97	0.34	1.54	2.93	2.93	0.51	3.05	3.85	3.85	0.66	6.31	4.83	4.83	0.83	10.05	
		19	-	-	-	-	1.96	1.96	0.34	1.54	2.93	2.93	0.51	3.06	3.85	3.85	0.66	6.33	4.83	4.83	0.83	10.07	
		20	-	-	-	-	2.07	1.9	0.36	1.62	2.95	2.92	0.51	3.11	3.85	3.85	0.66	6.33	4.84	4.84	0.83	10.08	
	6	15	-	-	-	-	1.51	1.51	0.22	0.97	2.56	2.56	0.37	1.65	3.5	3.5	0.5	3.04	4.41	4.41	0.63	5.65	
		17	-	-	-	-	1.51	1.51	0.22	0.97	2.56	2.56	0.37	1.66	3.51	3.51	0.5	3.05	4.41	4.41	0.63	5.67	
		19	-	-	-	-	1.51	1.51	0.22	0.97	2.56	2.56	0.37	1.66	3.51	3.51	0.5	3.06	4.42	4.42	0.63	5.69	
		20	-	-	-	-	1.52	1.5	0.22	0.97	2.56	2.56	0.37	1.66	3.51	3.51	0.5	3.07	4.42	4.42	0.64	5.7	

EWT: Enter Water Temp. (℃) Δt: Temperature Difference. (℃) DB: Dry Bulb Temp. (℃) WF: Water Flow. (m^3/h)

WB: Wet Bulb Temp. (℃) TC: Total Cooling Capacity. (kW) SC: Sensible Cooling Capacity. (kW) WPD: Water Pressure Drop. (kPa)

7.2 Heating Capacity Table

MKA-V600-CA													
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	5.27	0.57	27.98	4.72	0.51	23.16	4.18	0.45	18.74	3.63	0.39	14.71
	10	4.98	0.43	17.3	4.42	0.38	14.1	3.85	0.33	11.17	3.28	0.28	8.49
	12	4.65	0.33	11.39	4.07	0.29	9.07	3.47	0.25	6.94	2.85	0.21	4.85
	14	4.26	0.26	7.59	3.64	0.22	5.76	3.01	0.19	3.83	2.39	0.15	2.04
	16	3.8	0.21	4.77	3.19	0.17	3.06	2.55	0.14	1.72	1.79	0.1	1.06
45	8	6.61	0.71	40.41	6.06	0.65	34.69	5.51	0.6	29.54	4.97	0.54	24.57
	10	6.35	0.55	25.72	5.79	0.5	21.97	5.24	0.45	18.49	4.69	0.4	15.2
	12	6.06	0.44	17.43	5.5	0.4	14.74	4.93	0.36	12.25	4.36	0.31	9.94
	14	5.74	0.35	12.22	5.16	0.32	10.2	4.57	0.28	8.31	3.97	0.24	6.56
	16	5.38	0.29	8.8	4.78	0.26	7.2	4.16	0.22	5.69	3.52	0.19	4.12
50	8	7.94	0.86	54.42	7.38	0.79	47.74	6.84	0.74	41.75	6.29	0.68	36.26
	10	7.69	0.66	35.07	7.14	0.62	30.68	6.59	0.57	26.7	6.04	0.52	23.07
	12	7.43	0.54	24.18	6.87	0.49	21.13	6.31	0.45	18.19	5.75	0.41	15.52
	14	7.15	0.44	17.41	6.58	0.41	15.1	6.01	0.37	12.94	5.44	0.34	10.88
	16	6.83	0.37	12.85	6.25	0.34	11.05	5.67	0.31	9.36	5.08	0.27	7.77
55	8	9.26	1	69.93	8.7	0.94	62.47	8.15	0.88	55.72	7.61	0.82	49.62
	10	9.03	0.78	45.27	8.47	0.73	40.59	7.92	0.68	36.1	7.37	0.64	31.93
	12	8.79	0.63	31.65	8.23	0.59	28.23	7.67	0.55	24.91	7.12	0.51	21.96
	14	8.52	0.52	23	7.96	0.49	20.42	7.39	0.46	18	6.83	0.42	15.72
	16	8.24	0.44	17.35	7.67	0.41	15.33	7.1	0.38	13.43	6.53	0.35	11.64
60	8	10.58	1.14	86.86	10.02	1.08	78.55	9.46	1.02	71.23	8.92	0.96	64.29
	10	10.36	0.89	56.75	9.8	0.85	51.5	9.25	0.8	46.5	8.69	0.75	41.59
	12	10.13	0.73	39.78	9.57	0.69	35.94	9.01	0.65	32.42	8.46	0.61	29.03
	14	9.88	0.61	29.14	9.32	0.57	26.38	8.76	0.54	23.68	8.2	0.51	21.13
	16	9.62	0.52	22.2	9.05	0.49	19.98	8.49	0.46	17.87	7.92	0.43	15.87

Abbreviations:

Δt: Temperature Difference. (℃) **TH:** Total Heating Capacity. (kW) **WF:** Water Flow. (m³/h) **WPD:** Water Pressure Drop. (kPa)

MKA-V700-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	5.92	0.64	16.99	5.3	0.57	14.05	4.67	0.51	11.35	4.05	0.44	8.89
	10	5.57	0.48	10.48	4.93	0.43	8.53	4.29	0.37	6.73	3.63	0.31	5.03
	12	5.18	0.37	6.86	4.51	0.32	5.39	3.84	0.28	3.81	3.19	0.23	2.33
	14	4.72	0.29	4.26	4.06	0.25	2.9	3.4	0.21	1.79	2.68	0.17	1.16
	16	4.28	0.23	2.29	3.6	0.19	1.52	2.85	0.15	1.11	1.97	0.11	0.78
45	8	7.43	0.8	24.4	6.81	0.73	20.99	6.19	0.67	17.82	5.58	0.6	14.97
	10	7.12	0.61	15.54	6.5	0.56	13.27	5.86	0.51	11.15	5.24	0.45	9.2
	12	6.79	0.49	10.56	6.15	0.44	8.92	5.5	0.4	7.4	4.85	0.35	5.98
	14	6.4	0.39	7.39	5.74	0.35	6.14	5.07	0.31	4.96	4.39	0.27	3.72
	16	5.97	0.32	5.26	5.29	0.29	4.14	4.61	0.25	2.99	3.94	0.21	1.97
50	8	8.93	0.96	32.91	8.3	0.89	28.95	7.69	0.83	25.44	7.08	0.76	22.02
	10	8.65	0.75	21.28	8.02	0.69	18.69	7.4	0.64	16.25	6.78	0.59	13.98
	12	8.34	0.6	14.62	7.71	0.55	12.76	7.07	0.51	11.02	6.44	0.46	9.4
	14	8.01	0.49	10.52	7.36	0.45	9.12	6.72	0.41	7.8	6.07	0.37	6.57
	16	7.64	0.41	7.78	6.98	0.38	6.67	6.32	0.34	5.64	5.64	0.3	4.65
55	8	10.43	1.13	42.37	9.8	1.06	37.91	9.17	0.99	33.81	8.56	0.92	29.88
	10	10.16	0.88	27.44	9.53	0.82	24.55	8.9	0.77	21.82	8.28	0.71	19.25
	12	9.88	0.71	19.19	9.24	0.67	17.11	8.61	0.62	15.15	7.98	0.57	13.25
	14	9.57	0.59	13.95	8.93	0.55	12.42	8.3	0.51	10.94	7.66	0.47	9.55
	16	9.24	0.5	10.52	8.59	0.46	9.29	7.95	0.43	8.13	7.3	0.39	7.03
60	8	11.92	1.29	52.55	11.28	1.22	47.74	10.66	1.15	42.98	10.03	1.08	38.79
	10	11.67	1.01	34.31	11.03	0.95	31.05	10.4	0.9	28.14	9.78	0.84	25.27
	12	11.4	0.82	24.03	10.76	0.77	21.74	10.13	0.73	19.57	9.5	0.68	17.52
	14	11.11	0.68	17.67	10.47	0.64	15.94	9.83	0.61	14.31	9.2	0.57	12.76
	16	10.81	0.58	13.47	10.16	0.55	12.11	9.52	0.51	10.82	8.88	0.48	9.61

Abbreviations:

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

Four-way Cassette Units

MKA-V800-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	6.36	0.69	19.26	5.68	0.61	15.85	5	0.54	12.74	4.31	0.47	9.91
	10	5.94	0.51	11.7	5.24	0.45	9.46	4.53	0.39	7.4	3.81	0.33	5.51
	12	5.47	0.39	7.53	4.73	0.34	5.9	3.99	0.29	4.18	3.28	0.24	2.52
	14	4.91	0.3	4.65	4.19	0.26	3.15	3.48	0.21	1.9	2.72	0.17	1.19
	16	4.4	0.24	2.46	3.67	0.2	1.58	2.87	0.15	1.12	1.94	0.1	0.77
45	8	8.03	0.87	28.1	7.35	0.79	23.98	6.67	0.72	20.31	5.99	0.65	16.91
	10	7.65	0.66	17.6	6.97	0.6	14.97	6.28	0.54	12.53	5.59	0.48	10.28
	12	7.25	0.52	11.82	6.55	0.47	9.94	5.84	0.42	8.19	5.13	0.37	6.57
	14	6.78	0.42	8.15	6.06	0.37	6.74	5.32	0.33	5.41	4.58	0.28	4.06
	16	6.27	0.34	5.74	5.51	0.3	4.52	4.77	0.26	3.26	4.05	0.22	2.11
50	8	9.7	1.05	38.08	9.01	0.97	33.45	8.33	0.9	29.12	7.66	0.83	25.29
	10	9.34	0.81	24.28	8.66	0.75	21.33	7.97	0.69	18.5	7.29	0.63	15.87
	12	8.96	0.64	16.56	8.27	0.59	14.41	7.58	0.54	12.41	6.88	0.49	10.53
	14	8.56	0.53	11.83	7.87	0.48	10.18	7.14	0.44	8.67	6.44	0.4	7.26
	16	8.11	0.44	8.62	7.39	0.4	7.36	6.66	0.36	6.18	5.93	0.32	5.07
55	8	11.36	1.23	49.18	10.66	1.15	44.08	9.98	1.08	39.26	9.3	1	34.65
	10	11.02	0.95	31.73	10.33	0.89	28.35	9.64	0.83	25.05	8.96	0.77	22.06
	12	10.66	0.77	21.92	9.97	0.72	19.51	9.28	0.67	17.24	8.59	0.62	15.1
	14	10.28	0.63	15.8	9.58	0.59	13.99	8.89	0.55	12.33	8.19	0.51	10.72
	16	9.88	0.53	11.81	9.17	0.5	10.4	8.46	0.46	9.07	7.76	0.42	7.81
60	8	13	1.4	61.24	12.31	1.32	55.34	11.62	1.25	50.29	10.94	1.18	45.02
	10	12.68	1.09	39.63	11.99	1.03	35.98	11.3	0.97	32.39	10.61	0.92	29.1
	12	12.34	0.89	27.62	11.64	0.84	24.96	10.95	0.79	22.44	10.26	0.74	20.05
	14	11.99	0.74	20.17	11.29	0.69	18.17	10.58	0.65	16.27	9.89	0.61	14.48
	16	11.61	0.63	15.26	10.91	0.59	13.69	10.2	0.55	12.21	9.5	0.51	10.81

Abbreviations:

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

MKA-V1000-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	7.61	0.82	26.22	6.8	0.73	21.58	5.98	0.65	17.34	5.17	0.56	13.49
	10	7.11	0.61	15.91	6.28	0.54	12.87	5.44	0.47	10.08	4.58	0.4	7.54
	12	6.55	0.47	10.25	5.69	0.41	8.06	4.8	0.35	6.04	3.89	0.28	3.92
	14	5.9	0.36	6.63	4.98	0.31	4.79	4.1	0.25	2.97	3.22	0.2	1.57
	16	5.2	0.28	3.81	4.33	0.23	2.34	3.41	0.18	1.38	2.3	0.12	0.91
45	8	9.61	1.04	38.24	8.8	0.95	32.81	7.99	0.86	27.84	7.18	0.77	23.05
	10	9.16	0.79	24.07	8.34	0.72	20.47	7.51	0.65	17.06	6.69	0.58	13.99
	12	8.67	0.62	16.07	7.83	0.56	13.51	6.99	0.5	11.14	6.15	0.44	8.95
	14	8.12	0.5	11.08	7.26	0.45	9.16	6.39	0.39	7.38	5.5	0.34	5.73
	16	7.52	0.41	7.82	6.62	0.36	6.32	5.7	0.31	4.84	4.79	0.26	3.28
50	8	11.6	1.25	52.05	10.78	1.16	45.59	9.97	1.07	39.79	9.16	0.99	34.47
	10	11.17	0.96	33.13	10.35	0.89	28.96	9.53	0.82	25.12	8.72	0.75	21.63
	12	10.72	0.77	22.63	9.89	0.71	19.62	9.06	0.65	16.89	8.24	0.59	14.34
	14	10.24	0.63	16.08	9.39	0.58	13.89	8.55	0.53	11.83	7.71	0.47	9.88
	16	9.7	0.52	11.71	8.85	0.48	10.01	7.98	0.43	8.41	7.11	0.38	6.91
55	8	13.59	1.47	67.34	12.76	1.37	60.07	11.95	1.29	53.78	11.14	1.2	47.58
	10	13.18	1.14	43.18	12.35	1.06	38.58	11.54	1	34.31	10.72	0.93	30.28
	12	12.75	0.92	29.9	11.92	0.86	26.51	11.09	0.8	23.42	10.28	0.74	20.59
	14	12.29	0.76	21.51	11.46	0.71	19.05	10.62	0.65	16.73	9.8	0.6	14.55
	16	11.81	0.64	16.06	10.97	0.59	14.14	10.12	0.55	12.29	9.28	0.5	10.63
60	8	15.57	1.68	84.01	14.73	1.58	75.9	13.91	1.5	68.97	13.1	1.41	62.04
	10	15.18	1.31	54.48	14.35	1.24	49.37	13.52	1.16	44.33	12.7	1.09	39.75
	12	14.77	1.06	37.8	13.93	1	34.17	13.1	0.94	30.77	12.28	0.88	27.39
	14	14.33	0.88	27.59	13.5	0.83	24.86	12.67	0.78	22.27	11.84	0.73	19.75
	16	13.88	0.75	20.78	13.04	0.7	18.65	12.2	0.66	16.63	11.37	0.61	14.72

Abbreviations:

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

Four-way Cassette Units

MKA-V1200-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	9.13	0.98	8.14	8.11	0.88	6.66	7.1	0.77	5.31	6.07	0.66	4.08
	10	8.45	0.73	4.92	7.4	0.64	3.91	6.35	0.55	2.83	5.36	0.46	1.82
	12	7.69	0.55	2.87	6.68	0.48	1.99	5.7	0.41	1.3	4.67	0.34	0.87
	14	7.02	0.43	1.47	5.99	0.37	1.02	4.9	0.3	0.79	3.74	0.23	0.6
	16	6.27	0.34	0.91	5.13	0.28	0.74	3.93	0.21	0.57	2.57	0.14	0.38
45	8	11.59	1.25	11.93	10.58	1.14	10.2	9.57	1.03	8.6	8.57	0.92	7.13
	10	11	0.95	7.48	9.97	0.86	6.33	8.94	0.77	5.27	7.92	0.68	4.29
	12	10.34	0.74	4.99	9.29	0.67	4.16	8.22	0.59	3.37	7.17	0.52	2.53
	14	9.58	0.59	3.34	8.51	0.52	2.59	7.48	0.46	1.87	6.49	0.4	1.27
	16	8.84	0.48	2.02	7.83	0.42	1.46	6.81	0.37	1.02	5.74	0.31	0.76
50	8	14.01	1.51	16.18	13	1.4	14.21	11.99	1.29	12.36	10.99	1.19	10.65
	10	13.48	1.17	10.38	12.45	1.08	9.07	11.44	0.99	7.84	10.43	0.9	6.69
	12	12.89	0.93	7.04	11.85	0.85	6.1	10.81	0.78	5.23	9.78	0.7	4.41
	14	12.24	0.75	4.99	11.18	0.69	4.28	10.11	0.62	3.62	9.05	0.56	2.98
	16	11.52	0.62	3.62	10.42	0.56	3.03	9.34	0.5	2.42	8.3	0.45	1.82
55	8	16.44	1.78	20.99	15.41	1.66	18.77	14.39	1.56	16.67	13.39	1.45	14.71
	10	15.92	1.37	13.49	14.9	1.29	12.07	13.87	1.2	10.68	12.87	1.11	9.37
	12	15.38	1.11	9.32	14.34	1.03	8.26	13.31	0.96	7.27	12.29	0.88	6.34
	14	14.8	0.91	6.75	13.75	0.85	5.95	12.7	0.78	5.2	11.67	0.72	4.5
	16	14.15	0.76	4.99	13.09	0.71	4.37	12.02	0.65	3.79	10.96	0.59	3.24
60	8	18.84	2.03	26.01	17.82	1.92	23.56	16.77	1.81	21.25	15.76	1.7	19.06
	10	18.36	1.59	16.99	17.32	1.5	15.35	16.29	1.41	13.8	15.27	1.32	12.29
	12	17.85	1.28	11.83	16.8	1.21	10.66	15.77	1.13	9.55	14.74	1.06	8.51
	14	17.3	1.07	8.6	16.24	1	7.72	15.2	0.94	6.89	14.17	0.87	6.11
	16	16.72	0.9	6.5	15.66	0.85	5.81	14.61	0.79	5.16	13.56	0.73	4.54

Abbreviations:

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

MKA-V600F-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	2.78	0.3	0.76	2.44	0.26	0.61	2.1	0.23	0.52	1.75	0.19	0.44
	10	2.46	0.21	0.5	2.11	0.18	0.43	1.77	0.15	0.36	1.42	0.12	0.29
	12	2.12	0.15	0.37	1.77	0.13	0.31	1.42	0.1	0.25	1.07	0.08	0.19
	14	1.76	0.11	0.27	1.41	0.09	0.22	1.06	0.07	0.16	0.7	0.04	0.11
	16	1.41	0.08	0.2	1.05	0.06	0.15	0.73	0.04	0.1	0.53	0.03	0.08
45	8	3.61	0.39	1.62	3.27	0.35	1.24	2.94	0.32	0.93	2.62	0.28	0.69
	10	3.34	0.29	0.72	3	0.26	0.58	2.66	0.23	0.49	2.31	0.2	0.43
	12	3.03	0.22	0.48	2.68	0.19	0.42	2.33	0.17	0.37	1.98	0.14	0.31
	14	2.69	0.17	0.37	2.34	0.14	0.32	1.99	0.12	0.28	1.64	0.1	0.23
	16	2.34	0.13	0.29	1.99	0.11	0.25	1.64	0.09	0.21	1.28	0.07	0.16
50	8	4.55	0.49	2.58	4.18	0.45	2.23	3.8	0.41	1.88	3.45	0.37	1.51
	10	4.17	0.36	1.39	3.83	0.33	1.11	3.5	0.3	0.87	3.18	0.27	0.67
	12	3.9	0.28	0.7	3.57	0.26	0.56	3.23	0.23	0.47	2.88	0.21	0.41
	14	3.61	0.22	0.46	3.25	0.2	0.41	2.9	0.18	0.36	2.55	0.16	0.32
	16	3.27	0.18	0.37	2.92	0.16	0.33	2.57	0.14	0.29	2.22	0.12	0.25
55	8	5.49	0.59	3.46	5.12	0.55	3.08	4.75	0.51	2.71	4.38	0.47	2.37
	10	5.12	0.44	2.13	4.74	0.41	1.87	4.37	0.38	1.6	4.01	0.35	1.32
	12	4.74	0.34	1.25	4.4	0.32	1.02	4.06	0.29	0.83	3.74	0.27	0.66
	14	4.47	0.28	0.7	4.14	0.26	0.57	3.81	0.24	0.48	3.46	0.21	0.41
	16	4.19	0.23	0.45	3.84	0.21	0.4	3.49	0.19	0.36	3.14	0.17	0.32
60	8	6.41	0.69	4.44	6.04	0.65	4.01	5.67	0.61	3.6	5.31	0.57	3.22
	10	6.07	0.52	2.78	5.7	0.49	2.49	5.33	0.46	2.22	4.96	0.43	1.97
	12	5.7	0.41	1.83	5.32	0.38	1.63	4.94	0.36	1.41	4.58	0.33	1.19
	14	5.32	0.33	1.17	4.97	0.31	0.99	4.63	0.29	0.82	4.3	0.27	0.67
	16	5.04	0.27	0.71	4.71	0.25	0.59	4.38	0.24	0.49	4.04	0.22	0.41
65	8	7.32	0.79	5.44	6.95	0.75	4.98	6.58	0.71	4.53	6.21	0.67	4.11
	10	7.01	0.6	3.45	6.63	0.57	3.14	6.4	0.59	26	5.89	0.51	2.57
	12	6.67	0.48	2.34	6.29	0.45	2.12	5.91	0.43	1.91	5.54	0.4	1.71
	14	6.29	0.39	1.64	5.91	0.36	1.47	5.53	0.34	1.3	5.16	0.32	1.12
	16	5.92	0.32	1.13	5.56	0.3	0.97	5.21	0.28	0.82	4.87	0.26	0.69
70	8	8.23	0.89	6.58	7.85	0.85	6.04	7.49	0.81	5.55	7.11	0.77	5.09
	10	7.92	0.68	4.2	7.55	0.65	3.87	7.17	0.62	3.55	6.81	0.59	3.24
	12	7.6	0.55	2.87	7.23	0.52	2.63	6.85	0.49	2.4	6.48	0.47	2.18
	14	7.26	0.45	2.06	6.89	0.42	1.88	6.51	0.4	1.71	6.13	0.38	1.54
	16	6.92	0.37	1.51	6.52	0.35	1.36	6.13	0.33	1.22	5.76	0.31	1.08

Abbreviations:

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

Four-way Cassette Units

MKA-V700F-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	2.88	0.31	0.83	2.53	0.27	0.64	2.17	0.23	0.54	1.81	0.2	0.45
	10	2.54	0.22	0.52	2.17	0.19	0.44	1.81	0.16	0.37	1.46	0.13	0.3
	12	2.17	0.16	0.38	1.81	0.13	0.32	1.45	0.1	0.25	1.09	0.08	0.19
	14	1.8	0.11	0.28	1.43	0.09	0.22	1.07	0.07	0.17	0.7	0.04	0.11
	16	1.42	0.08	0.2	1.06	0.06	0.15	0.73	0.04	0.1	0.53	0.03	0.08
45	8	3.75	0.4	1.78	3.39	0.37	1.37	3.05	0.33	1.03	2.71	0.29	0.75
	10	3.45	0.3	0.78	3.11	0.27	0.61	2.75	0.24	0.51	2.39	0.21	0.44
	12	3.13	0.23	0.49	2.76	0.2	0.44	2.4	0.17	0.38	2.04	0.15	0.32
	14	2.76	0.17	0.38	2.4	0.15	0.33	2.03	0.13	0.28	1.67	0.1	0.23
	16	2.4	0.13	0.3	2.03	0.11	0.25	1.67	0.09	0.21	1.3	0.07	0.16
50	8	4.75	0.51	2.78	4.36	0.47	2.4	3.97	0.43	2.04	3.58	0.39	1.66
	10	4.33	0.37	1.52	3.97	0.34	1.22	3.62	0.31	0.95	3.29	0.28	0.73
	12	4.03	0.29	0.76	3.69	0.27	0.61	3.34	0.24	0.5	2.98	0.21	0.43
	14	3.73	0.23	0.47	3.36	0.21	0.42	2.99	0.18	0.38	2.63	0.16	0.33
	16	3.37	0.18	0.38	3.01	0.16	0.34	2.64	0.14	0.3	2.27	0.12	0.26
55	8	5.73	0.62	3.73	5.34	0.58	3.32	4.96	0.53	2.92	4.58	0.49	2.55
	10	5.34	0.46	2.29	4.95	0.43	2.01	4.55	0.39	1.73	4.17	0.36	1.44
	12	4.92	0.35	1.37	4.56	0.33	1.13	4.2	0.3	0.91	3.87	0.28	0.72
	14	4.62	0.29	0.77	4.28	0.26	0.62	3.94	0.24	0.51	3.58	0.22	0.43
	16	4.33	0.23	0.47	3.97	0.21	0.41	3.6	0.19	0.37	3.23	0.17	0.33
60	8	6.7	0.72	4.8	6.32	0.68	4.33	5.93	0.64	3.89	5.55	0.6	3.47
	10	6.34	0.55	2.99	5.95	0.51	2.68	5.56	0.48	2.39	5.18	0.45	2.12
	12	5.94	0.43	1.97	5.55	0.4	1.75	5.15	0.37	1.53	4.76	0.34	1.3
	14	5.53	0.34	1.28	5.15	0.32	1.08	4.8	0.3	0.9	4.45	0.27	0.73
	16	5.21	0.28	0.77	4.87	0.26	0.64	4.53	0.24	0.53	4.18	0.23	0.44
65	8	7.66	0.82	5.88	7.27	0.78	5.38	6.88	0.74	4.9	6.5	0.7	4.44
	10	7.32	0.63	3.72	6.92	0.6	3.39	6.7	0.64	30	6.15	0.53	2.77
	12	6.96	0.5	2.52	6.56	0.47	2.28	6.17	0.44	2.06	5.78	0.42	1.84
	14	6.56	0.4	1.76	6.16	0.38	1.58	5.76	0.35	1.41	5.37	0.33	1.22
	16	6.15	0.33	1.23	5.77	0.31	1.06	5.4	0.29	0.9	5.05	0.27	0.75
70	8	8.62	0.93	7.12	8.22	0.89	6.57	7.83	0.84	6.01	7.45	0.8	5.51
	10	8.29	0.71	4.54	7.89	0.68	4.18	7.5	0.65	3.83	7.12	0.61	3.5
	12	7.94	0.57	3.09	7.55	0.54	2.83	7.16	0.51	2.59	6.77	0.49	2.35
	14	7.58	0.47	2.21	7.18	0.44	2.02	6.79	0.42	1.83	6.4	0.39	1.66
	16	7.19	0.39	1.62	6.79	0.37	1.47	6.39	0.34	1.32	5.99	0.32	1.17

Abbreviations:

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

MKA-V800F-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	2.74	0.3	0.74	2.38	0.26	0.6	2.03	0.22	0.5	1.68	0.18	0.42
	10	2.36	0.2	0.48	2.01	0.17	0.41	1.65	0.14	0.34	1.3	0.11	0.27
	12	1.97	0.14	0.34	1.62	0.12	0.28	1.27	0.09	0.22	0.93	0.07	0.16
	14	1.58	0.1	0.24	1.23	0.08	0.19	0.89	0.05	0.14	0.61	0.04	0.1
	16	1.2	0.06	0.17	0.86	0.05	0.12	0.65	0.04	0.09	0.47	0.03	0.07
45	8	3.59	0.39	1.6	3.24	0.35	1.22	2.91	0.31	0.91	2.59	0.28	0.67
	10	3.29	0.28	0.69	2.94	0.25	0.56	2.58	0.22	0.48	2.23	0.19	0.41
	12	2.92	0.21	0.46	2.56	0.18	0.4	2.21	0.16	0.35	1.85	0.13	0.29
	14	2.53	0.16	0.35	2.18	0.13	0.3	1.82	0.11	0.25	1.47	0.09	0.21
	16	2.15	0.12	0.27	1.8	0.1	0.22	1.45	0.08	0.18	1.1	0.06	0.14
50	8	4.6	0.5	2.63	4.21	0.45	2.27	3.82	0.41	1.9	3.44	0.37	1.5
	10	4.14	0.36	1.36	3.8	0.33	1.08	3.46	0.3	0.84	3.14	0.27	0.65
	12	3.84	0.28	0.67	3.5	0.25	0.54	3.15	0.23	0.46	2.79	0.2	0.4
	14	3.49	0.22	0.44	3.13	0.19	0.39	2.77	0.17	0.35	2.41	0.15	0.3
	16	3.12	0.17	0.35	2.76	0.15	0.31	2.4	0.13	0.27	2.04	0.11	0.23
55	8	5.6	0.6	3.59	5.2	0.56	3.18	4.83	0.52	2.79	4.45	0.48	2.43
	10	5.16	0.45	2.16	4.76	0.41	1.88	4.37	0.38	1.6	4	0.35	1.3
	12	4.7	0.34	1.22	4.35	0.31	1	4.02	0.29	0.8	3.69	0.27	0.63
	14	4.4	0.27	0.67	4.07	0.25	0.55	3.73	0.23	0.46	3.37	0.21	0.39
	16	4.08	0.22	0.43	3.72	0.2	0.38	3.35	0.18	0.35	2.99	0.16	0.31
60	8	6.59	0.71	4.66	6.2	0.67	4.2	5.82	0.63	3.77	5.44	0.59	3.36
	10	6.18	0.53	2.86	5.79	0.5	2.56	5.4	0.47	2.28	5.01	0.43	2.01
	12	5.73	0.41	1.85	5.33	0.38	1.63	4.94	0.35	1.41	4.56	0.33	1.18
	14	5.28	0.33	1.15	4.92	0.3	0.96	4.58	0.28	0.79	4.25	0.26	0.64
	16	4.96	0.27	0.67	4.63	0.25	0.56	4.29	0.23	0.47	3.95	0.21	0.39
65	8	7.56	0.81	5.75	7.17	0.77	5.25	6.78	0.73	4.78	6.4	0.69	4.33
	10	7.17	0.62	3.6	6.78	0.58	3.27	6.7	0.69	30	6.01	0.52	2.66
	12	6.76	0.49	2.41	6.37	0.46	2.17	5.98	0.43	1.95	5.59	0.4	1.74
	14	6.32	0.39	1.65	5.92	0.36	1.48	5.52	0.34	1.29	5.14	0.32	1.11
	16	5.87	0.32	1.1	5.5	0.3	0.94	5.15	0.28	0.79	4.81	0.26	0.66
70	8	8.52	0.92	6.99	8.14	0.88	6.45	7.75	0.83	5.9	7.36	0.79	5.4
	10	8.15	0.7	4.42	7.76	0.67	4.06	7.38	0.64	3.72	6.99	0.6	3.39
	12	7.77	0.56	2.97	7.37	0.53	2.72	6.98	0.5	2.48	6.6	0.47	2.25
	14	7.36	0.45	2.1	6.97	0.43	1.92	6.58	0.41	1.74	6.18	0.38	1.56
	16	6.92	0.37	1.51	6.52	0.35	1.37	6.12	0.33	1.22	5.73	0.31	1.06

Abbreviations:

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

Four-way Cassette Units

MKA-V1000F-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	4.36	0.47	13.57	3.86	0.42	11	3.36	0.36	8.66	2.84	0.31	6.5
	10	3.94	0.34	7.78	3.42	0.3	6.13	2.9	0.25	4.63	2.36	0.2	3.22
	12	3.47	0.25	4.67	2.93	0.21	3.45	2.42	0.17	2.2	1.95	0.14	1.23
	14	2.98	0.18	2.47	2.5	0.15	1.55	2.03	0.12	0.94	1.49	0.09	0.65
	16	2.59	0.14	1.19	2.08	0.11	0.82	1.53	0.08	0.6	0.93	0.05	0.37
45	8	5.63	0.61	20.45	5.13	0.55	17.42	4.63	0.5	14.7	4.13	0.45	12.01
	10	5.23	0.45	12.35	4.73	0.41	10.39	4.23	0.36	8.57	3.72	0.32	6.89
	12	4.83	0.35	7.93	4.31	0.31	6.55	3.8	0.27	5.27	3.27	0.24	4.1
	14	4.37	0.27	5.18	3.84	0.24	4.16	3.3	0.2	3.19	2.77	0.17	2.18
	16	3.88	0.21	3.37	3.35	0.18	2.46	2.85	0.15	1.64	2.38	0.13	1.02
50	8	6.88	0.74	28.43	6.39	0.69	25.08	5.89	0.64	21.79	5.39	0.58	18.6
	10	6.51	0.56	17.67	6.01	0.52	15.39	5.52	0.48	13.25	5.02	0.43	11.25
	12	6.12	0.44	11.6	5.62	0.4	10.01	5.11	0.37	8.52	4.61	0.33	7.12
	14	5.71	0.35	7.96	5.2	0.32	6.78	4.69	0.29	5.68	4.17	0.26	4.65
	16	5.28	0.28	5.57	4.76	0.26	4.67	4.23	0.23	3.84	3.69	0.2	3.03
55	8	8.14	0.88	37.46	7.65	0.82	33.54	7.15	0.77	29.73	6.65	0.72	26.22
	10	7.78	0.67	23.47	7.28	0.63	20.91	6.78	0.58	18.48	6.28	0.54	16.19
	12	7.41	0.53	15.83	6.91	0.5	14.02	6.4	0.46	12.26	5.9	0.42	10.65
	14	7.02	0.43	11.11	6.52	0.4	9.77	6.01	0.37	8.5	5.51	0.34	7.31
	16	6.62	0.36	8.01	6.11	0.33	6.98	5.6	0.3	6.01	5.08	0.27	5.08
60	8	9.4	1.01	47.46	8.9	0.96	42.88	8.4	0.91	38.84	7.9	0.85	34.94
	10	9.04	0.78	29.95	8.55	0.74	27.23	8.07	0.69	24.51	7.55	0.65	21.92
	12	8.68	0.62	20.37	8.18	0.59	18.37	7.68	0.55	16.52	7.18	0.52	14.7
	14	8.31	0.51	14.51	7.81	0.48	13.02	7.3	0.45	11.6	6.8	0.42	10.25
	16	7.93	0.43	10.69	7.42	0.4	9.54	6.92	0.37	8.45	6.41	0.35	7.41
65	8	10.66	1.15	58.17	10.09	1.1	53.41	9.65	1.04	48.86	9.15	0.98	44.26
	10	10.31	0.89	37.08	9.8	0.85	33.96	9.42	0.82	43.59	8.8	0.76	28.06
	12	9.95	0.72	25.47	9.46	0.68	23.26	8.95	0.64	21.07	8.45	0.61	19.06
	14	9.59	0.59	18.25	9.09	0.56	16.61	8.58	0.53	15.1	8.08	0.5	13.6
	16	9.22	0.5	13.57	8.71	0.47	12.3	8.21	0.44	11.1	7.71	0.42	9.98
70	8	11.92	1.28	69.78	11.41	1.23	64.32	10.91	1.17	59.39	10.4	1.12	54.79
	10	11.57	1	44.63	11.07	0.95	41.35	10.56	0.91	38.09	10.06	0.87	35.02
	12	11.27	0.81	30.86	10.72	0.77	28.51	10.21	0.73	26.21	9.71	0.7	24
	14	10.86	0.67	22.31	10.36	0.64	20.53	9.86	0.61	18.87	9.36	0.58	17.23
	16	10.51	0.57	16.77	10	0.54	15.38	9.5	0.51	14.06	8.99	0.48	12.75

Abbreviations:

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

MKA-V1200F-CA													
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	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa	kW	m^3/h	kPa
40	8	5.02	0.54	17.3	4.45	0.48	14.05	3.88	0.42	11.08	3.3	0.36	8.4
	10	4.55	0.39	9.96	3.96	0.34	7.88	3.37	0.29	5.98	2.76	0.24	4.27
	12	4.04	0.29	6.02	3.43	0.25	4.56	2.8	0.2	3.13	2.23	0.16	1.76
	14	3.45	0.21	3.5	2.86	0.18	2.22	2.32	0.14	1.27	1.73	0.11	0.76
	16	2.96	0.16	1.67	2.41	0.13	1.02	1.78	0.1	0.7	1.09	0.06	0.44
45	8	6.47	0.7	26.05	5.9	0.64	22.21	5.33	0.57	18.63	4.76	0.51	15.4
	10	6.03	0.52	15.75	5.45	0.47	13.26	4.88	0.42	10.95	4.3	0.37	8.82
	12	5.57	0.4	10.13	4.99	0.36	8.39	4.4	0.32	6.77	3.8	0.27	5.28
	14	5.07	0.31	6.65	4.47	0.28	5.37	3.85	0.24	4.18	3.22	0.2	3.05
	16	4.52	0.24	4.42	3.89	0.21	3.39	3.28	0.18	2.34	2.72	0.15	1.43
50	8	7.91	0.85	36.31	7.34	0.79	31.79	6.78	0.73	27.77	6.21	0.67	23.85
	10	7.49	0.65	22.52	6.92	0.6	19.62	6.35	0.55	16.9	5.78	0.5	14.36
	12	7.05	0.51	14.79	6.47	0.47	12.77	5.9	0.42	10.88	5.32	0.38	9.11
	14	6.59	0.41	10.16	6.01	0.37	8.67	5.42	0.33	7.27	4.83	0.3	5.98
	16	6.1	0.33	7.13	5.51	0.3	5.99	4.91	0.26	4.93	4.3	0.23	3.95
55	8	9.35	1.01	47.86	8.78	0.95	42.85	8.21	0.89	38.01	7.64	0.82	33.53
	10	8.94	0.77	30.03	8.37	0.72	26.64	7.79	0.67	23.56	7.22	0.62	20.64
	12	8.52	0.61	20.17	7.94	0.57	17.87	7.37	0.53	15.69	6.8	0.49	13.64
	14	8.08	0.5	14.11	7.5	0.46	12.46	6.93	0.43	10.85	6.35	0.39	9.34
	16	7.63	0.41	10.23	7.05	0.38	8.92	6.46	0.35	7.69	5.87	0.32	6.53
60	8	10.79	1.16	60.17	10.22	1.1	54.65	9.65	1.04	49.66	9.08	0.98	44.4
	10	10.39	0.9	38.25	9.81	0.85	34.63	9.24	0.8	31.11	8.68	0.75	27.96
	12	9.97	0.72	25.95	9.4	0.68	23.4	8.83	0.63	20.98	8.25	0.59	18.67
	14	9.55	0.59	18.48	8.97	0.55	16.59	8.4	0.52	14.79	7.83	0.48	13.08
	16	9.12	0.49	13.62	8.54	0.46	12.16	7.96	0.43	10.78	7.38	0.4	9.46
65	8	12.23	1.31	73.79	11.65	1.25	67.76	11.08	1.19	62.32	10.51	1.13	56.77
	10	11.83	1.02	47.35	11.26	0.97	43.39	10.79	0.94	48.84	10.11	0.87	35.86
	12	11.43	0.82	32.45	10.85	0.78	29.59	10.28	0.74	26.96	9.71	0.7	24.39
	14	11.02	0.68	23.25	10.44	0.64	21.21	9.86	0.61	19.18	9.29	0.57	17.28
	16	10.59	0.57	17.29	10.02	0.54	15.68	9.44	0.51	14.15	8.86	0.48	12.68
70	8	13.67	1.47	88.54	13.09	1.41	82.04	12.52	1.34	75.76	11.95	1.29	70.1
	10	13.28	1.14	56.9	12.7	1.09	52.61	12.12	1.04	48.48	11.55	0.99	44.52
	12	12.88	0.92	39.32	12.3	0.88	36.28	11.73	0.84	33.35	11.15	0.8	30.54
	14	12.48	0.77	28.42	11.9	0.73	26.16	11.32	0.7	23.98	10.75	0.66	21.9
	16	12.07	0.65	21.36	11.49	0.62	19.6	10.91	0.59	17.92	10.34	0.56	16.3

Abbreviations:

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

8 Electrical Characteristics

Table 7.1: Four-way Cassette electrical characteristics

Model name	Power supply						Indoor fan motors	
	Hz	Volts	Min. volts	Max. volts	MCA	MFA	Rated motor output (kW)	FLA
MKA-V600-CA	50	220-240	220	240	0.4	/	0.040	0.4
MKA-V700-CA	50	220-240	220	240	0.4	/	0.040	0.4
MKA-V800-CA	50	220-240	220	240	0.5	/	0.056	0.5
MKA-V1000-CA	50	220-240	220	240	0.8	/	0.098	0.8
MKA-V1200-CA	50	220-240	220	240	1.4	/	0.190	1.4
MKA-V600F-CA	50	220-240	220	240	0.4	/	0.033	0.4
MKA-V700F-CA	50	220-240	220	240	0.4	/	0.041	0.4
MKA-V800F-CA	50	220-240	220	240	0.5	/	0.057	0.5
MKA-V1000F-CA	50	220-240	220	240	1	16	0.113	1
MKA-V1200F-CA	50	220-240	220	240	1.6	16	0.197	1.6

Abbreviations:
MCA: Minimum Circuit Amps
MFA: Maximum Fuse Amps
FLA: Full Load Amps

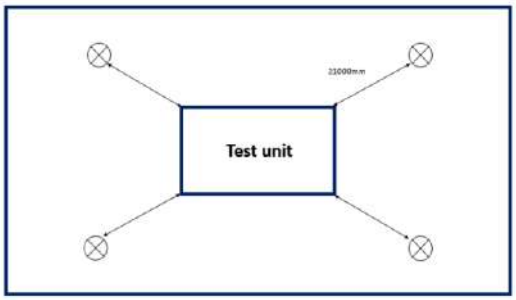
9 Sound Levels

9.1 Overall

Model name	Sound power levels dB(A)						
	SSH	SH	H	M	L	SL	SSL
MKA-V600-CA	51.5	49.1	46.5	43.6	40.4	36.9	33.6
MKA-V700-CA	50.9	48.4	45.6	42.8	39.9	39.1	36.7
MKA-V800-CA	52.7	50.2	47.5	44.5	41.2	37.4	35.3
MKA-V1000-CA	59.1	56.8	54.1	51.1	47.7	43.9	40.3
MKA-V1200-CA	63.5	61.2	58.6	55.7	52.4	48.5	44.1
MKA-V600F-CA	46.8	44.1	41.4	38.4	35.4	32.4	30.3
MKA-V700F-CA	49.7	47.1	44.2	41.2	37.9	35.0	31.8
MKA-V800F-CA	53.5	50.9	48.0	44.9	41.6	38.0	35.1
MKA-V1000F-CA	60.1	57.8	55.2	52.2	48.9	45.2	41.2
MKA-V1200F-CA	64.4	62.1	59.6	56.7	53.5	49.5	45.8

Notes:

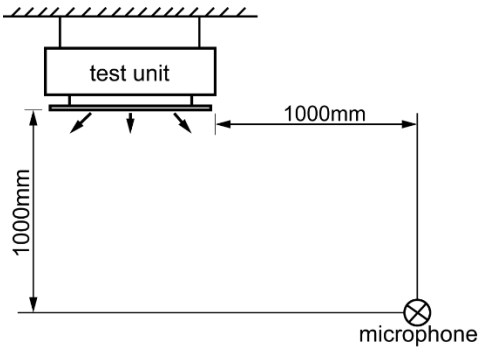
1. Sound power levels are measured 1m around the unit in a semi-anechoic chamber. During in-situ operation, sound power levels may be higher as a result of ambient noise.



Model name	Sound pressure levels dB(A)						
	SSH	SH	H	M	L	SL	SSL
MKA-V600-CA	39.8	37.5	35.2	32.3	29.2	25.9	22.3
MKA-V700-CA	37.4	34.6	31.8	28.9	25.9	23.5	20.7
MKA-V800-CA	41.4	38.7	35.8	32.5	29.1	25.9	23.1
MKA-V1000-CA	46.8	44.5	41.6	38.4	34.8	30.8	26.8
MKA-V1200-CA	51.5	49.3	46.9	44.2	40.7	36.7	32.0
MKA-V600F-CA	34.2	31.5	29.0	26.3	24.1	21.8	20.6
MKA-V700F-CA	37.4	34.5	31.6	28.4	25.6	23.2	21.0
MKA-V800F-CA	41.2	38.6	35.7	32.2	28.9	25.6	22.8
MKA-V1000F-CA	46.9	44.6	41.9	38.8	35.4	31.6	27.5
MKA-V1200F-CA	51.6	49	46.3	43.6	40.1	36.2	31.8

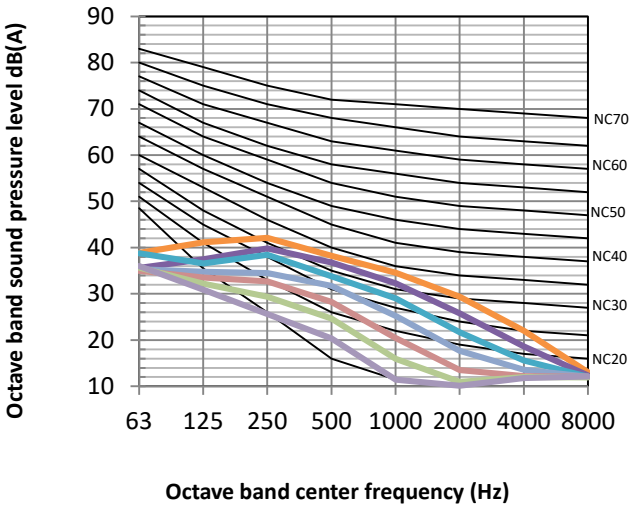
Notes:

1. Sound pressure levels are measured 1m below and right of the unit in a semi-anechoic chamber. During in-situ operation, sound pressure levels may be higher as a result of ambient noise.

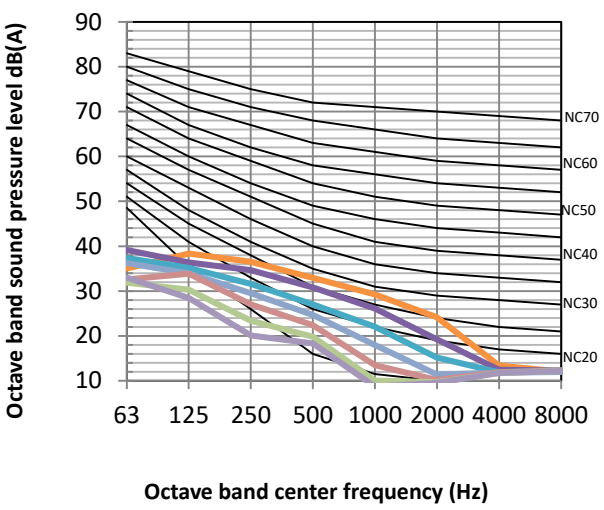


9.2 Octave Band Levels

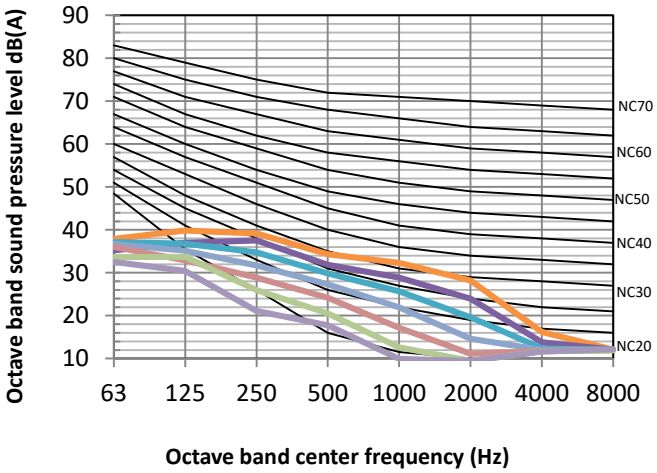
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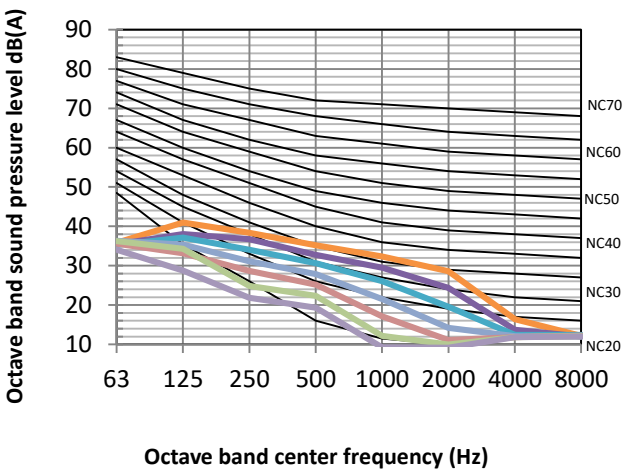
MKA-V700-CA



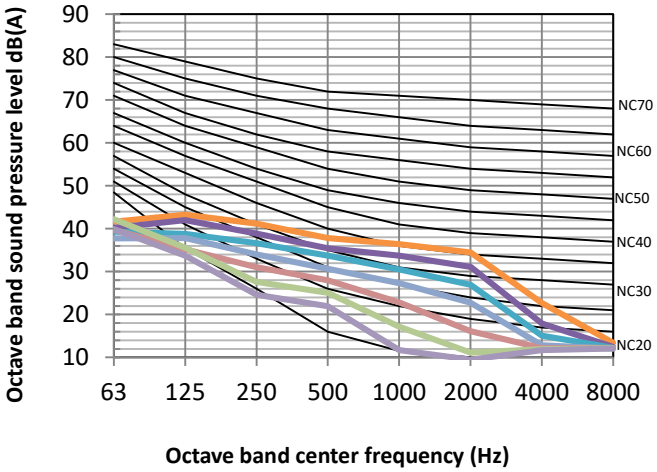
MKA-V800-CA



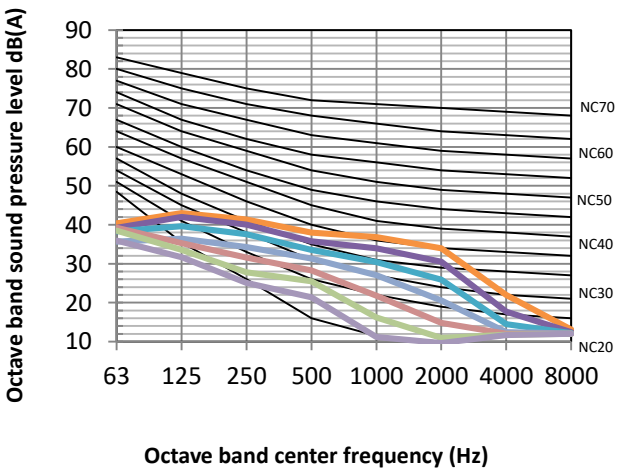
MKA-V1000-CA



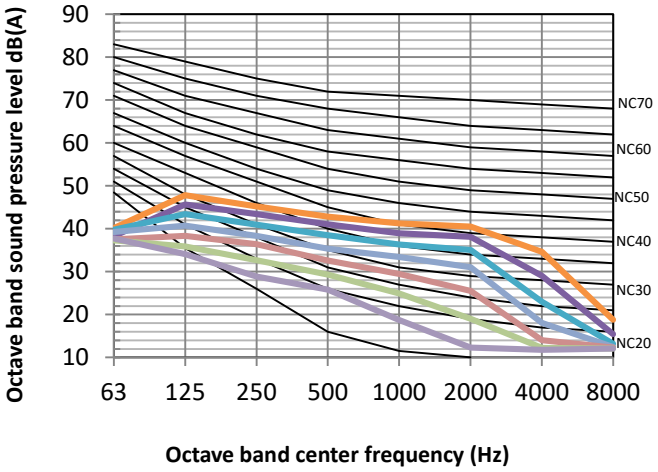
MKA-V1200-CA



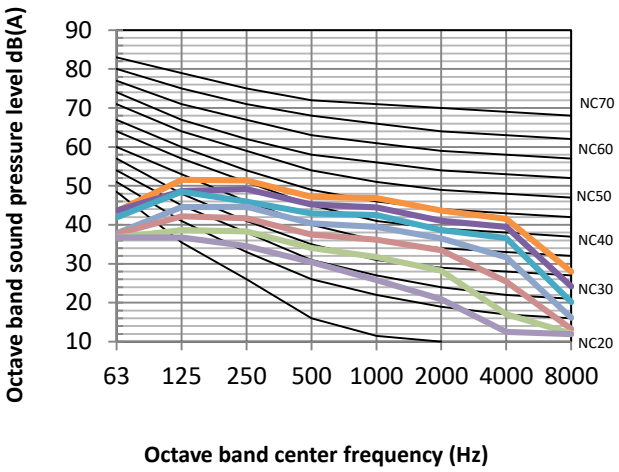
MKA-V600F-CA



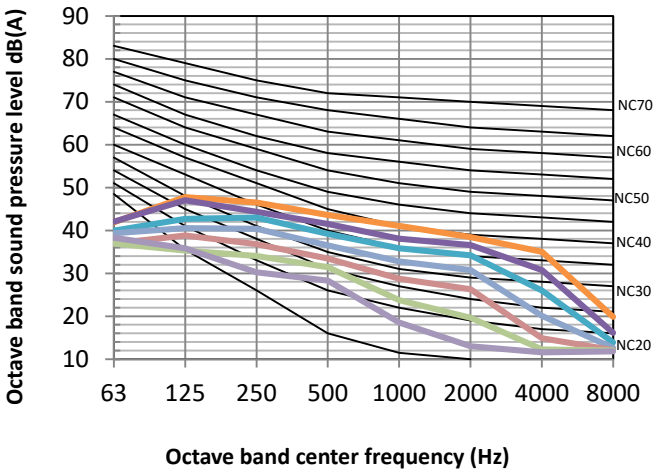
MKA-V700F-CA



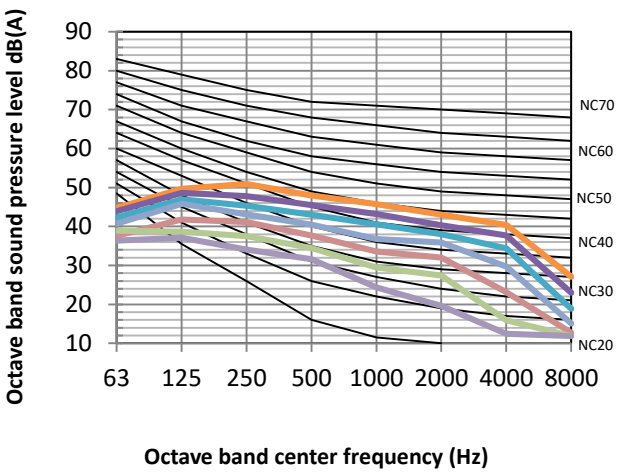
MKA-V800F-CA



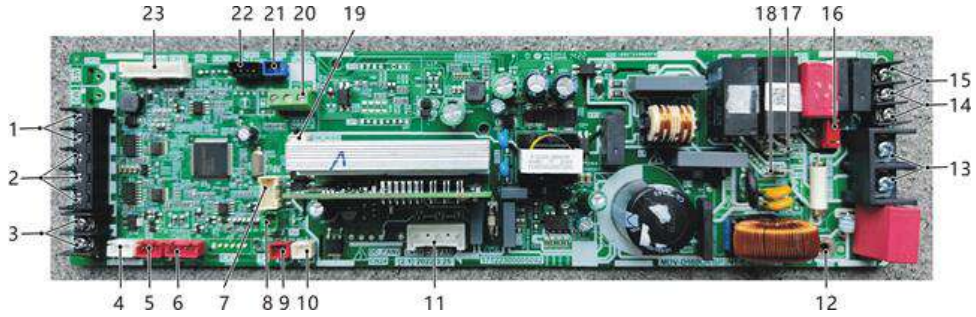
MKA-V1000F-CA



MKA-V1200F-CA



10 Main PCB ports



Main PCB port description:

No.	Bit No	Description		Voltage
1	CN3_X1、CN3_X2	POWER: Mains input； X1 X2 carrier line controller docking port		DC +18V
2	CN3_P 、 CN3_Q 、 CN3_E	PQE: Modbus communication port		DC +5V
3	CN2 X 、 CN2_Y 、 CN3_E	XYE: Centralized control communication port		DC +5V
4	CN5	WATER: Water level switch port		DC +3.3V
5	CN190	PUMP: Water pump output port		DC +12V
6	CN30	Display panel docking port		DC +12V
7	CN25	DEBUG: Main control program burn port		DC +3.3V
8	CN-A	Ionic sterilizer docking port		DC +12V
9	CN83	T2H: Heating pipe temperature sensor port		DC +3.3V
10	CN80	T2C: Refrigerating pipe temperature sensor port		DC +3.3V
11	CN100	DC_FAN： DC Fan;		< AC 250V
12	EARTH	EARTH: Grounding screw position		/
13	CN1	Power input		AC 220V
14	CN22_3（live line）	V2 valve control signal output port	Two-pipe: Both cooling and heating valves are V1 Four-pipe: Cooling valve is V1, heating valve is V2	AC 220V
	CN22_2（null line）			
15	CN22_1（live line）	V1 valve control signal output port		AC 220V
	CN22_2（null line）			
16	CN20	Reserved AC 220V output port		AC 220V
17	CN29	ALARM: Fault alarm output; Electric auxiliary heat live line output		AC 220V (live)
18	CN12	Electric auxiliary heat null line output		AC 220V (null)
19	CN4	Fan driver burn-in port		DC +5V
20	CN55	ON/OFFF: Remote on/off port		DC +12V
21	CN82	T1: Room temperature sensor port；		DC +3.3V
22	CN99	After-sales work docking port		DC +12V
23	CN18	Communication board docking port		DC +12V

11 Troubleshooting

11.1 Common Fault Codes

No.	Fault	Applicable model	Classification	New fault code (V11)	Subcode (V11)	Sub-fault	Fault level (L1 > L2 > L3)
1	Fan fault	All	Protection failure	J0	1	Multiple motor failures within 60 minutes	L1
2	Fan fault	All	Forced shutdown failure	J3		Primary motor fault	L2
3	Fan fault	All	Forced shutdown failure	J3	E	Low pressure fault of fan (no display on the panel)	L2
4	Fan fault	All	Forced shutdown failure	J3	E	Low pressure fault of fan (display on the panel)	L2
5	Fan fault	All	Forced shutdown failure	J4	5	Motor mismatch	L2
6	Water level senor fault (reserved)	All	Forced shutdown failure	b3	4	Pump 1 body failure	L2
7	Water level sensor fault (reserved)	All	Forced shutdown failure	b3	5	Pump 2 body failure	L2
8	Water level sensor fault	All	Forced shutdown failure	b3	6	Water level switch alarm failure	L2
9	EEPROM fault	All	Electric control protection failure	P7	1	EEPROM fault	L2
10	EEPROM fault (reserved)	All	Electric control protection failure	P7	2	EEPROM failure in panel	L2
11	Air inlet sensor fault	All	Sensor fault	E2	4	T1 sensor fault	L2
12	T2A sensor fault	All IDUs with the V8 protocol (except HRV) or the Myhome IDU with the V6 protocol	Sensor fault	F0	1	T2A sensor fault	L3
13	T2B sensor fault	IDUs except HRV	Sensor fault	F2	1	T2B sensor fault	L3
14	DIP setting error	V8 protocol IDU	Installation failure	U1	1	Unit model not set	L2
15	DIP setting error	V8 protocol IDU	Installation failure	U1	2	Capacity not set	L2
16	Communication fault between main control and module	All	Communication failure	C4	1	Communication fault between main control and drive module	L2
17	Communication failure between IDU and external board	All	Communication failure	C6	1	Communication failure between IDU and panel/display board	L3
18	Communication	All	Communication	C7	8	Communication	L2

	failure between IDU and external board		failure			failure between IDU and expansion board 2	
19	Communication failure between IDU and external board	All	Communication failure	C7	9	Communication failure between IDU and switch module	L2
20	Humidity sensor fault (reserved)	All	Non-stop fault	EA	2	Humidity sensor fault	L3
21	Communication failure between IDU and wired controller	All	Communication failure	C5	1	Communication failure between IDU and wired controller	L3
22	Controller and panel sensor fault (reserved)	All	Non-stop fault	E3	1	Wired controller temperature sensor failure	L3
23	Controller and panel sensor fault (reserved)	All	Non-stop fault	E3	3	External temperature sensor failure	L3
24	Beyond operating range	All	Status fault	P0	2	Anti-freezing protection	L3
25	Beyond operating range	FAPU or HRV	Status fault	P0	1	Water temperature protection	L3
26	Remote shutdown	All	Warning	d6	1	Remote shutdown	L3

11.2 Load Control and Controller Display in Case of Fault

No.	Fault	Forced shutdown or not in case of fault	Automatic recovery	Can the fan start	Can the pump start	Output at the alarm port	Can the pump start	Wired controller display	Display on the panel/display panel	Fault level (L1 > L2 > L3)
1	Fan fault	Yes	No	No	Yes	Yes	No	Fault code	Fault code	L1
2	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
3	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	No display	L2
4	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
5	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
6	Water level sensor fault (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
7	Water level sensor fault (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
8	Water level sensor fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
9	EEPROM fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
10	EEPROM fault (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
11	Air inlet sensor fault	No	Yes	Yes	Yes	Yes	No	Fault code	Fault code	L2
12	T2A sensor fault	No	Yes	Yes	Yes	Yes	Yes	Fault code	Fault code	L3
13	T2B sensor fault	No	Yes	Yes	Yes	Yes	Yes	Fault code	Fault code	L3
14	DIP setting error	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2

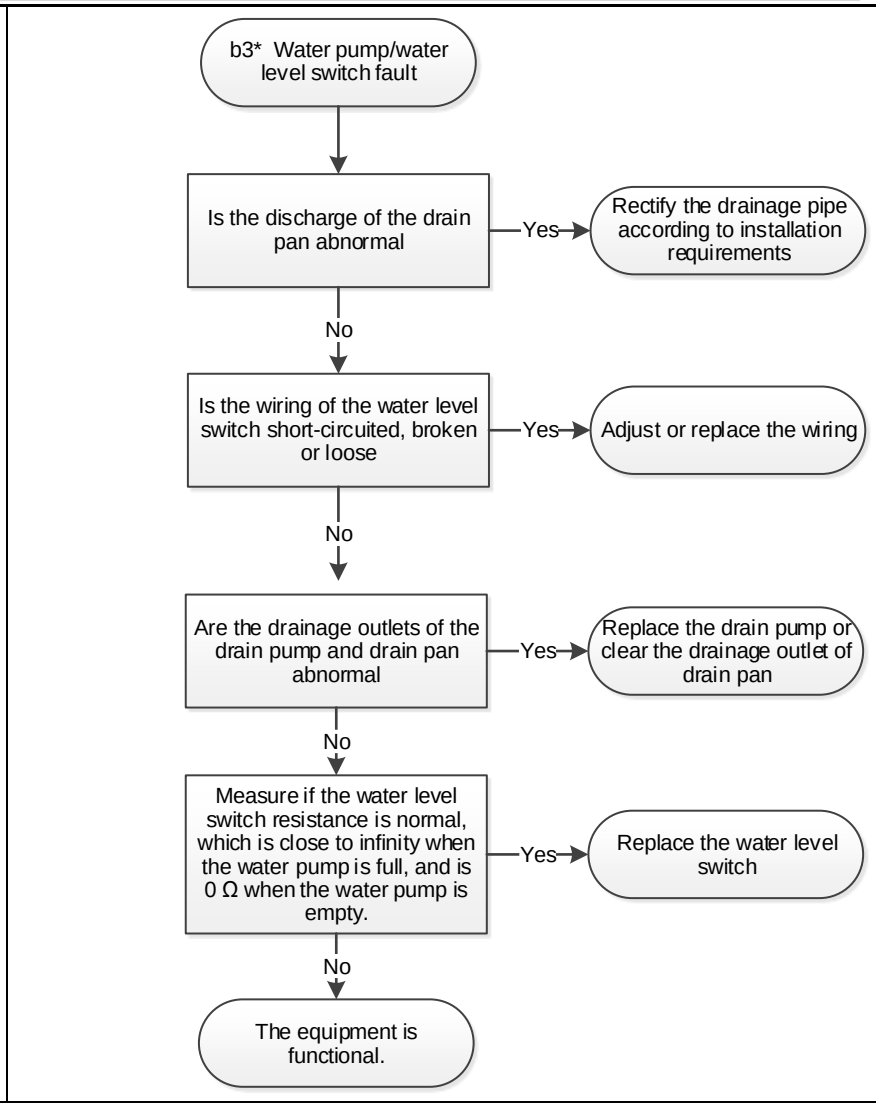
15	DIP setting error	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
16	Communication failure between main control and fan drive module	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
17	Communication failure between IDU and external board	No	Yes	Yes	Yes	Yes	Yes	Fault code	Fault code	L3
18	Communication failure between IDU and external board (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
19	Communication failure between IDU and external board	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
20	Humidity sensor fault (reserved)	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
21	Communication failure between IDU and wired controller	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
22	Controller and panel sensor fault (reserved)	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
23	Controller and panel sensor fault (reserved)	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
24	Beyond operating range	No	Yes	Yes	Yes	Yes	No	Fault code	Fault code	L3
25	Beyond operating range	No	Yes	Yes	Yes	Yes	No	Fault code	Fault code	L3
26	Remote shutdown	No	Yes	No	Yes	No	No	Fault code	Fault code	L3

Remarks: If the auxiliary heater is turned on in case of a fault, please turn it off immediately. The fan is turned off at the current fan speed 1 minute later

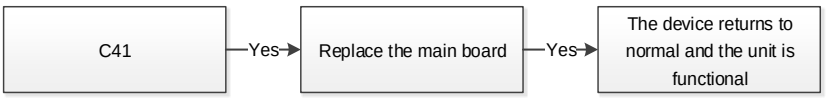
11.3 Troubleshooting

11.3.1 b3* Water pump/water level switch fault

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	In case of a water level alarm failure, check the water level switch.
Possible cause	■The water level switch wire gets loose or is damaged. ■The water level switch is stuck. ■The drainage of the IDU drain pan is stuck or the pump is damaged. ■IDU main board is damaged.

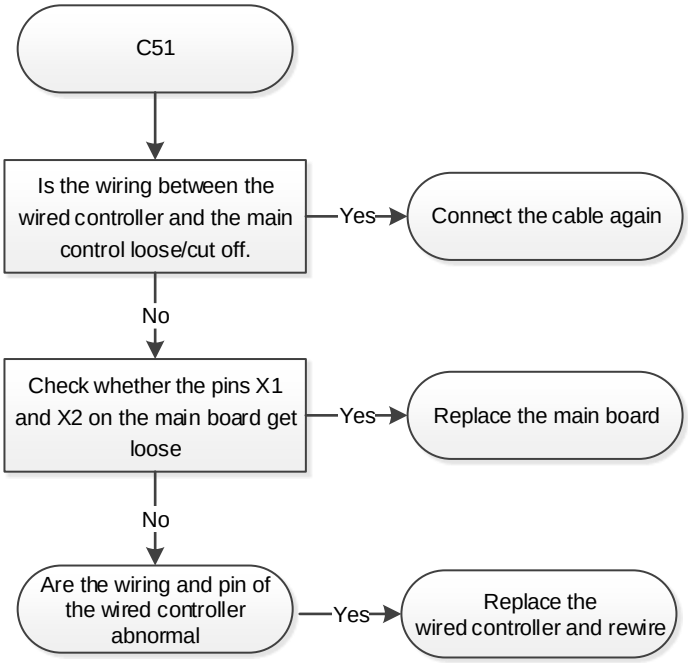
Troubleshooting	

11.3.2 C41 Communication failure between main control and drive module

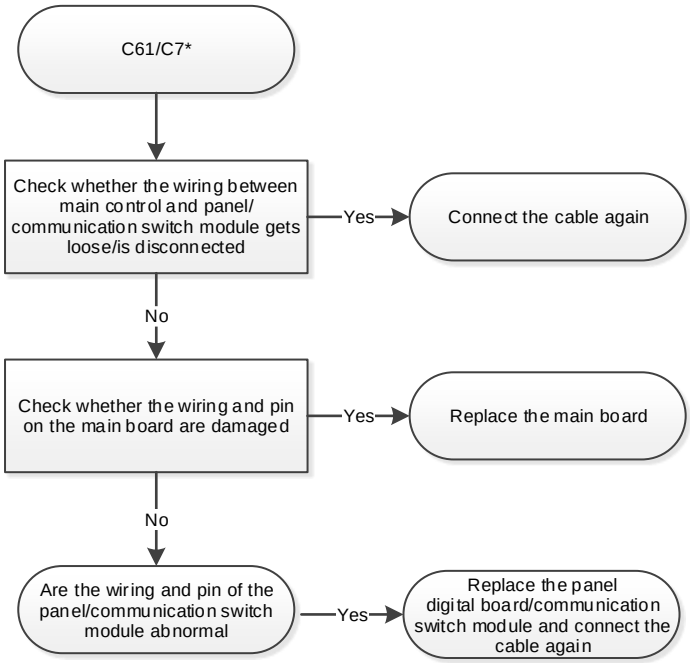
Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	Communication failure between drive module of fan and main control
Possible cause	■The drive module on the main board is damaged. ■The main board is damaged.
Troubleshooting	

11.3.3 C51 Communication failure between main control and wired controller

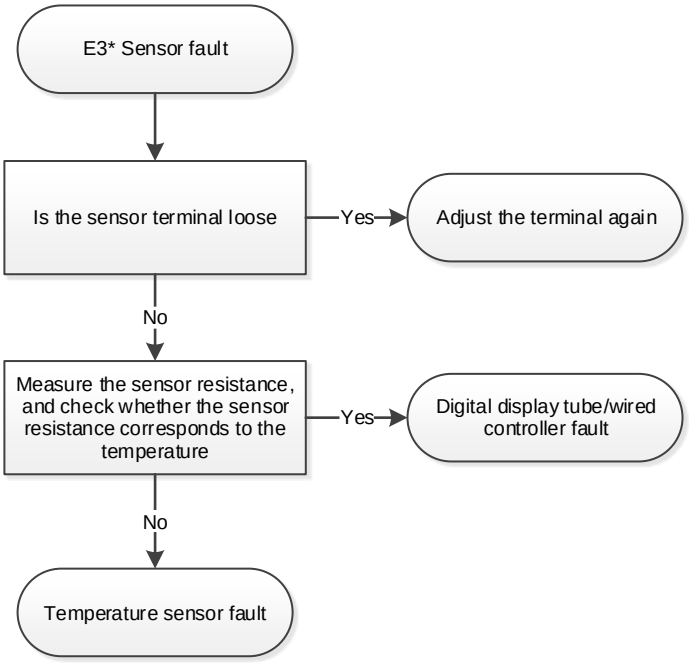
Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	Communication failure between wired controller and main control
Possible cause	■Wiring between the wired controller and the main control is incorrect. ■The pin on the wired controller of the main board is damaged. ■The terminal block on the wired controller is damaged.

Troubleshooting	

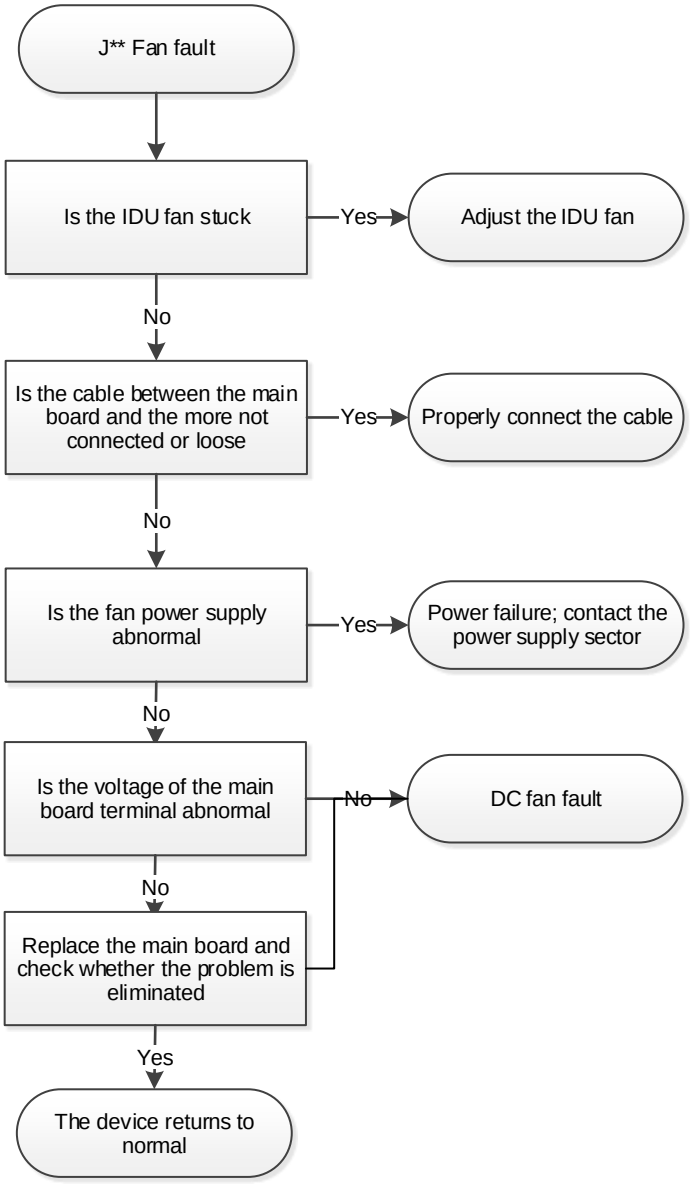
11.3.4 C61/C7* Communication failure between main board and external board

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	Communication failure between main control and panel/communication switch module
Possible cause	■Wiring error between main control and panel/communication switch module ■The main board is damaged. ■The panel/communication switch module is damaged.
Troubleshooting	

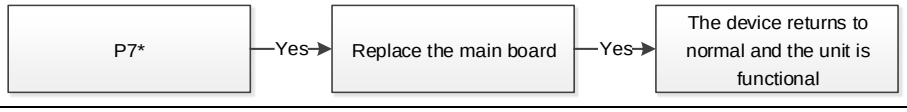
11.3.5 E3* Controller and panel sensor fault

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	The main board receives the signal indicating that the controller/panel sensor resistor is in an open circuit or short circuit
Possible cause	■ The sensor is not properly connected to the control board. ■ The sensor is damaged.
Troubleshooting	

11.3.6 J** Fan/fan drive fault

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	Fan overcurrent/fan power/fan stalling/fan start failure/fan overcurrent
Possible cause	■ The cable between the main board and the fan motor is not connected or is incorrectly connected, or the connecting terminal has poor contact. ■ The model and the fan type are unmatched. ■ The sampling resistor on the main control and the fan type are unmatched. ■ The power voltage/current is too high. ■ The fan is blocked. ■ The fan is stalled.
Troubleshooting	

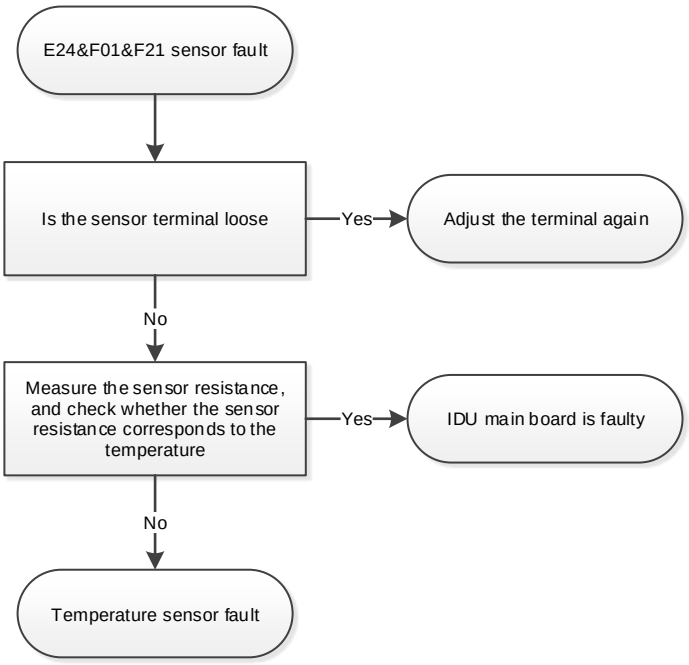
11.3.7 P7* EEPROM fault

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	EEPROM fault
Possible cause	■The chip on the main board is damaged.
Troubleshooting	

11.3.8 P0* Beyond operating range

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Protection logic	The detection value of the pipe temperature sensor is less than 3°C or greater than 75°C.
Protection reason	The water pipe may be frozen if the water temperature is too low, and discomfort may be caused due to too high hot air temperature, if the water temperature is too high.
Troubleshooting	No processing is required, because it is a unit protection logic. Wait until the logic exits.

11.3.9 E24&F01&F21 T1&T2A&T2B sensor fault

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	The main board detecting sensor resistor is in an open circuit or short circuit, the voltage is > 4.95 V or the voltage is < 0.05 V.
Possible cause	■The sensor is not properly connected to the control board. ■The sensor is damaged. ■The main board is damaged.
Troubleshooting	

11.3.10 d61 Remote shutdown

Applicable model	4-Way Cassette DC Fan Coil Unit (new product for overseas market)
Symptom	When the unit detects that the remote port is closed, the unit switches to the shutdown state.
Protection reason	For remote shutdown of unit
Troubleshooting	No processing is required for remote unit shutdown.

11.4 Fault Determination

11.4.1 Beyond operating range

In any state (including fault status), the system temperature T2A/T2B shall be determined to avoid the situation where the water temperature exceeds the allowable range of the system. With water temperature protection, the air conditioner acts according to Figure 1.

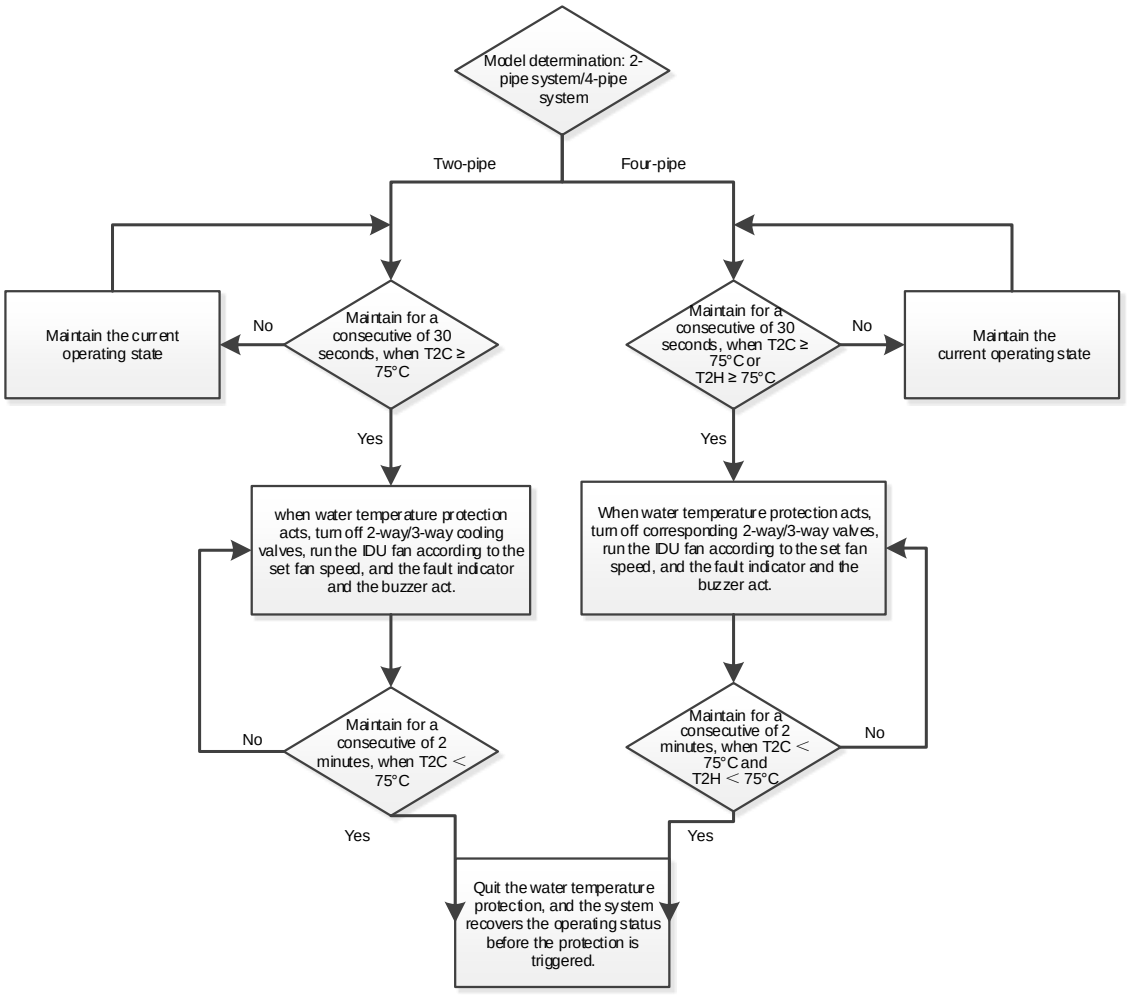


Figure 1 Water temperature protection control logic (reserved for four-pipe function)

Notes:

1. When temperature protection acts and the IDU fan needs to be started, its louvers shall act according to the opening angle of the cooling mode.
2. If the system triggers water temperature protection, but a sensor fault (such as T1 sensor fault) occurs, the system fan acts according to the water temperature. When the water temperature protection quits, the system acts as if the sensor fault occurs.
3. If the T2A or T2B sensor fault occurs when the water temperature protection is triggered, the water temperature protection actions are executed.
4. The water temperature protection quits when a shutdown command is received.

11.4.2 Match fault between motor resistance setting and preset resistance (reserved)

After the unit is powered on again, detect the motor resistance setting on the main board:

1) If Abs (resistance setting - preset resistance) / preset resistance is ≥ 30%, the main board motor setting error is determined, and a motor match fault is given;
2) If 0 < Abs (resistance setting - preset resistance) / preset resistance is < 30%, the main board motor setting is correct;

11.5 Fault Level

Content	Grade	Action	Cause
Complete shutdown	L1	Disable all available functions and do not recover them	Safety impact
Shutdown	L2	Disable all available functions and recover them after the error are removed	The device may be further damaged
Display error	L3	Enable partial restriction and inform the customer	Guarantee minimum functions

11.6 Fault Code Type

The fault code is indicated with English letters and Arabic numbers (20 in total), including 0, 1, 2... 8, 9, A, b, C, d, E, F, H, L, P, U, Example, 1A, P0, and 34.

Fault category	Fault sub-category	Fault code	Type
Prompt	Not stopped	d	AHU operating status prompt
Commissioning	Not matched	U	Fault due to incorrect commissioning or installation
Communication	Communication failure	C	All communication faults (including air compressor/fan)
Device	Valve body/pump	b	Fault or abnormality of pump bodies, valve bodies, and other components
	IDU sensor/switch	H	Temperature sensor/switch fault or abnormality
	External sensor/switch (Water flow/pressure/current)	F	Fault of pressure, water flow, current sensor or switch
	Fan fault	J	Fan fault (including drive module)
Protector	Protection	P	Other faults
Others	Other failures	A	
Note: 1. The letter n is the prefix of the menu, not the fault code.			

11.7 Fault, Code, Triggering/Clearing Conditions, and Level

No.	Fault	Applicable model	Classification	New fault code (V11)	Subcode (V11)	Sub-fault	Fault level (L1 > L2 > L3)
1	Fan fault	All	Protection failure	J0	1	Multiple motor failures within 60 minutes	L1
2	Fan fault	All	Forced shutdown failure	J3		Primary motor fault	L2
3	Fan fault	All	Forced shutdown failure	J3	E	Low pressure fault of fan (no display on the panel)	L2
4	Fan fault	All	Forced shutdown failure	J3	E	Low pressure fault of fan (display on the panel)	L2
5	Fan fault	All	Forced shutdown failure	J4	5	Motor mismatch	L2
6	Water level senor fault (reserved)	All	Forced shutdown failure	b3	4	Pump 1 body failure	L2
7	Water level sensor fault (reserved)	All	Forced shutdown failure	b3	5	Pump 2 body failure	L2
8	Water level sensor fault	All	Forced shutdown failure	b3	6	Water level switch alarm failure	L2
9	EEPROM fault	All	Electric control protection failure	P7	1	EEPROM fault	L2
10	EEPROM fault (reserved)	All	Electric control protection failure	P7	2	EEPROM failure in panel	L2
11	Air inlet sensor fault	All	Sensor fault	E2	4	T1 sensor fault	L2
12	T2A sensor fault	All IDUs with the V8 protocol (except HRV) or the Myhome IDU with the V6 protocol	Sensor fault	F0	1	T2A sensor fault	L3
13	T2B sensor fault	IDUs except HRV	Sensor fault	F2	1	T2B sensor fault	L3
14	DIP setting error	V8 protocol IDU	Installation failure	U1	1	Unit model not set	L2

15	DIP setting error	V8 protocol IDU	Installation failure	U1	2	Capacity not set	L2
16	Communication fault between main control and module	All	Communication failure	C4	1	Communication fault between main control and drive module	L2
17	Communication failure between IDU and external board	All	Communication failure	C6	1	Communication failure between IDU and panel/display board	L3
18	Communication failure between IDU and external board	All	Communication failure	C7	8	Communication failure between IDU and expansion board 2	L2
19	Communication failure between IDU and external board	All	Communication failure	C7	9	Communication failure between IDU and switch module	L2
20	Humidity sensor fault (reserved)	All	Non-stop fault	EA	2	Humidity sensor fault	L3
21	Communication failure between IDU and wired controller	All	Communication failure	C5	1	Communication failure between IDU and wired controller	L3
22	Controller and panel sensor fault (reserved)	All	Non-stop fault	E3	1	Wired controller temperature sensor failure	L3
23	Controller and panel sensor fault (reserved)	All	Non-stop fault	E3	3	External temperature sensor failure	L3
24	Beyond operating range	All	Status fault	P0	2	Anti-freezing protection	L3
25	Beyond operating range	FAPU or HRV	Status fault	P0	1	Water temperature protection	L3
26	Remote shutdown	All	Warning	d6	1	Remote shutdown	L3

11.8 Load Control and Controller Display in Case of Fault

No.	Fault	Forced shutdown or not in case of fault	Automatic recovery	Can the fan start	Can the pump start	Output at the alarm port	Can the pump start	Wired controller display	Display on the panel/display panel	Fault level (L1 > L2 > L3)
1	Fan fault	Yes	No	No	Yes	Yes	No	Fault code	Fault code	L1
2	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
3	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	No display	L2
4	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
5	Fan fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
6	Water level sensor fault (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
7	Water level sensor fault (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
8	Water level sensor fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
9	EEPROM fault	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
10	EEPROM fault (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
11	Air inlet sensor fault	No	Yes	Yes	Yes	Yes	No	Fault code	Fault code	L2
12	T2A sensor fault	No	Yes	Yes	Yes	Yes	Yes	Fault code	Fault code	L3

13	T2B sensor fault	No	Yes	Yes	Yes	Yes	Yes	Fault code	Fault code	L3
14	DIP setting error	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
15	DIP setting error	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
16	Communication failure between main control and fan drive module	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
17	Communication failure between IDU and external board	No	Yes	Yes	Yes	Yes	Yes	Fault code	Fault code	L3
18	Communication failure between IDU and external board (reserved)	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
19	Communication failure between IDU and external board	Yes	Yes	No	Yes	Yes	No	Fault code	Fault code	L2
20	Humidity sensor fault (reserved)	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
21	Communication failure between IDU and wired controller	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
22	Controller and panel sensor fault (reserved)	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
23	Controller and panel sensor fault (reserved)	No	Yes	Yes	Yes	No	Yes	No display	No display	L3
24	Beyond operating range	No	Yes	Yes	Yes	Yes	No	Fault code	Fault code	L3
25	Beyond operating range	No	Yes	Yes	Yes	Yes	No	Fault code	Fault code	L3
26	Remote shutdown	No	Yes	No	Yes	No	No	Fault code	Fault code	L3

Remarks: If the auxiliary heater is turned on in case of a fault, please turn it off immediately. The fan is turned off at the current fan speed 1 minute later

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