

2-Pipe 3-Row Duct



Model		MKT3-V200	MKT3-V300	MKT3-V400	MKT3-V500	
Power supply		220-240/1/50				
Air flow (H/M/L)		m³/h 411/273/171	531/442/311	734/564/389	865/626/441	
		CFM 241/160/100	312/260/182	431/331/228	508/368/259	
Standard external static pressure		12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling ¹	Capacity (H/M/L)	kW	2.35/1.72/1.32	3.12/2.72/2.1	3.99/3.26/2.5	4.46/3.59/2.83
	Water flow rate(H/M/L)	m³/h	0.43/0.31/0.25	0.6/0.48/0.37	0.69/0.57/0.43	0.79/0.63/0.50
	Water pressure drop(H/M/L)	kPa	13.6/8.6/6.3	23.8/16.4/11.3	13.9/3.5/8	16.4/11.3/7.6
	Power input(H/M/L)	W	17/9/7	23/15/10	26/15/9	39/19/11
Heating ²	Capacity (H/M/L)	kW	2.68/1.99/1.42	3.82/3.08/2.28	4.7/3.85/2.77	5.27/4.21/3.21
	Water flow rate(H/M/L)	m³/h	0.49/0.35/0.26	0.67/0.54/0.41	0.82/0.67/0.50	0.92/0.73/0.57
	Water pressure drop(H/M/L)	kPa	12.6/7.6/4.9	25/17.6/11.3	13/10.5/6.2	18.4/12.4/8.1
	Power input(H/M/L)	W	18/9/7	23/15/10	26/16/9	43/21/11
Heating ³	Capacity (H/M/L)	kW	3.17/2.27/1.75	4.51/3.61/2.71	5.52/4.55/3.27	6.26/4.99/3.81
	Water flow rate(H/M/L)	m³/h	0.43/0.31/0.25	0.60/0.48/0.37	0.69/0.57/0.43	0.79/0.63/0.50
	Water pressure drop(H/M/L)	kPa	10.3/6.1/4.2	19.2/12.9/8.5	10.8/7.7/4.8	13.7/9.5/6.3
	Power input(H/M/L)	W	18/9/7	23/15/10	28/16/9	43/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	38.1/28.4/23.4	36.4/29.5/20.7	38.4/32.2/24.0	44.3/36.3/27.9
Fan motor	Type	DC Motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1				
Coil	Row	3				
	Max. working pressure	MPa	1.6			
Coil	Diameter	mm	Ø9.52			
	Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522
Packing size (WxHxD)	mm	790x260x555	890x260x560	990x260x560	990x260x560	
Net weight	kg	16.7	19	21	21	
Gross weight	kg	19.7	22	24	24	
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	R3/4				

Model		MKT3-V600	MKT3-V800	MKT3-V1000	MKT3-V1200	
Power supply		220-240/1/50				
Air flow (H/M/L)		m³/h 1022/760/544	1452/1038/781	1824/1332/906	2134/1581/1083	
		CFM 601/447/320	854/610/459	1072/783/532	1255/930/637	
Standard external static pressure		12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling ¹	Capacity (H/M/L)	kW	5.85/4.82/3.78	8.02/6.36/5.08	8.96/7.37/5.66	10.79/8.86/6.79
	Water flow rate(H/M/L)	m³/h	1.05/0.85/0.65	1.42/1.11/0.89	1.59/1.29/0.98	1.93/1.57/1.20
	Water pressure drop(H/M/L)	kPa	31.4/22/14.2	31.6/20.5/13.9	24.1/16.9/10.8	26.3/18.8/12.8
	Power input(H/M/L)	W	49/24/12	60/28/16	60/43/19	106/49/24
Heating ²	Capacity (H/M/L)	kW	6.62/5.38/4	9.15/7.08/5.58	10.74/8.55/6.35	12.62/10.15/7.47
	Water flow rate(H/M/L)	m³/h	1.15/0.94/0.71	1.59/1.26/0.98	1.88/1.51/1.13	2.23/1.78/1.31
	Water pressure drop(H/M/L)	kPa	31.7/22.2/13.6	32.9/21.6/13.9	28.3/19.4/12	29.4/20/11.9
	Power input(H/M/L)	W	53/26/12	65/30/17	100/45/20	115/52/22
Heating ³	Capacity (H/M/L)	kW	7.84/6.35/4.81	10.88/8.46/6.68	12.61/10.04/7.35	14.9/11.92/8.89
	Water flow rate(H/M/L)	m³/h	1.05/0.85/0.65	1.42/1.11/0.89	1.59/1.29/0.98	1.93/1.57/1.20
	Water pressure drop(H/M/L)	kPa	26.4/18.2/11.4	26.3/16.9/11.5	21.1/14.8/9.5	22.6/16/10.2
	Power input(H/M/L)	W	52/25/13	65/30/17	99/44/19	114/51/22
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/39.0/30.3	44.9/36.1/27.7	47.8/40.7/30.7	48.9/41.8/31.7
Fan motor	Type	DC Motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	2				
Coil	Row	3				
	Max. working pressure	MPa	1.6			
Coil	Diameter	mm	Ø9.52			
	Net dimensions (WxHxD)	mm	1161x241x522	1461x241x522	1566x241x522	1856x241x522
Packing size (WxHxD)	mm	1210x260x560	1510x260x560	1615x260x560	1905x260x560	
Net weight	kg	23.7	33	34.7	39.2	
Gross weight	kg	27.2	37.2	39.2	44.4	
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	R3/4				

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1. Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

2. Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

3. Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

4. Sound pressure level is tested in a semi-anechoic test room.

5. The external static pressure test condition is 0 Pa.

2-Pipe 4-Row Duct

Model		MKT4-V200	MKT4-V300	MKT4-V400	MKT4-V500	
Power supply		220-240/1/50				
Air flow (H/M/L)		m³/h 441/297/227	627/468/338	778/537/349	884/642/461	
		CFM 259/174/133	368/275/198	458/316/205	520/377/271	
Standard external static pressure		12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling ¹	Capacity (H/M/L)	kW	2.22/1.59/1.2	3.19/2.58/1.87	4.06/3.26/2.41	4.46/3.56/2.78
	Water flow rate(H/M/L)	m³/h	0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43	0.80/0.63/0.50
	Water pressure drop(H/M/L)	kPa	2.44/1.52/1	5.24/3.61/2.36	8.4/5.9/3.49	11.6/8.1/5.6
	Power input(H/M/L)	W	17/9/6	21/12/7	29/16/9	43/23/14
Heating ²	Capacity (H/M/L)	kW	2.81/2.154	3.88/3.09/2.35	4.19/3.42/2.49	5.44/4.23/3.23
	Water flow rate(H/M/L)	m³/h	0.51/0.37/0.29	0.67/0.56/0.42	0.84/0.68/0.51	0.96/0.76/0.57
	Water pressure drop(H/M/L)	kPa	2/1.76/1.2	4.3/4.29/2.8	6.99/6.4/3.8	10.64/9.83/6.68
	Power input(H/M/L)	W	18/9/7	23/13/8	32/18/10	41/22/12
Heating ³	Capacity (H/M/L)	kW	3.23/2.32/1.75	4.5/3.6/2.68	5.6/4.59/3.36	6.25/4.88/3.74
	Water flow rate(H/M/L)	m³/h	0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43	0.80/0.63/0.50
	Water pressure drop(H/M/L)	kPa	2.99/1.2/0.71	5.85/3.1/1.9	9.1/4.9/2.8	14.06/7.6/5.5
	Power input(H/M/L)	W	19/9/6	23/13/8	32/18/10	42/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	37.3/27.4/22.2	39.6/32.5/25.0	41.1/34.5/26.4	44.8/37.2/29.8
Fan motor	Type	DC Motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1				
Coil	Row	4				
	Max. working pressure	MPa	1.6			
Coil	Diameter	mm	Ø9.52			
	Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522
Packing size (WxHxD)	mm	790x260x555	890x260x560	990x260x560	990x260x560	
Net weight	kg	17.8	20	21.9	21.9	
Gross weight	kg	20.4	22.9	25.1	25.1	
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	R3/4				

Model		MKT4-V600	MKT4-V800	MKT4-V1000	MKT4-V1200	
Power supply		220-240/1/50				
Air flow (H/M/L)		m³/h 1056/793/575	1506/1084/822	1813/1341/932	2134/1617/1119	
		CFM 621/466/338	885/637/483	1066/788/548	1255/951/658	
Standard external static pressure		12Pa (default); 30/50Pa can be set through dial switch on PCB				
Cooling ¹	Capacity (H/M/L)	kW	5.87/4.78/3.68	6.65/5.04/3.61	7.98/6.19/4.37	9.76/7.81/5.72
	Water flow rate(H/M/L)	m³/h	1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78	1.78/1.41/1.02
	Water pressure drop(H/M/L)	kPa	19.4/13.6/8.5	8.8/5.09/2.8	13.81/8.63/4.75	22.31/15/8.98
	Power input(H/M/L)	W	51/25/12	61/27/16	93/49/21	109/50/22
Heating ²	Capacity (H/M/L)	kW	6.47/5.18/3.91	8.36/6.32/4.77	9.92/7.94/5.86	11.76/9.32/6.76
	Water flow rate(H/M/L)	m³/h	1.11/0.90/0.67	1.43/1.12/0.86	1.68/1.35/1.00	2.01/1.60/1.15
	Water pressure drop(H/M/L)	kPa	16.31/12.6/7.41	7.7/6.97/4.3	19.72/18.9/11.1	20.04/16.93/9.62
	Power input(H/M/L)	W	56/27/13	66/30/16	102/46/20	119/55/24
Heating ³	Capacity (H/M/L)	kW	7.72/6.19/4.68	9.55/7.14/5.23	11.55/9/6.46	14.34/11.31/8.3
	Water flow rate(H/M/L)	m³/h	1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78	1.78/1.41/1.02
	Water pressure drop(H/M/L)	kPa	17.92/11.31/7	10.9/4.49/2.5	15.42/7.5/4.1	24.94/13.46/13.48
	Power input(H/M/L)	W	56/27/13	67/29/16	103/46/20	121/54/23
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/39.4/30.7	47.4/39.1/32.1	50.4/42.7/33.1	50.7/43.8/34.5
Fan motor	Type	DC Motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	2				
Coil	Row	4				
	Max. working pressure	MPa	1.6			
Coil	Diameter	mm	Ø9.52			
	Net dimensions (WxHxD)	mm	1161x241x522	1461x241x522	1566x241x522	1856x241x522
Packing size (WxHxD)	mm	1210x260x560	1510x260x560	1615x260x560	1905x260x560	
Net weight	kg	25	34.8	36.4	41.9	
Gross weight	kg	28.8	39.2	41.9	47.2	
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	R3/4				

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1. Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

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