2nd Generation Ceiling&Floor series



Model: 150/250/350/500/700/800 CFM



KJRP-86I/MFK-E (Optional)
KJRP-86A/BMFNKD-E(Optional)

Features

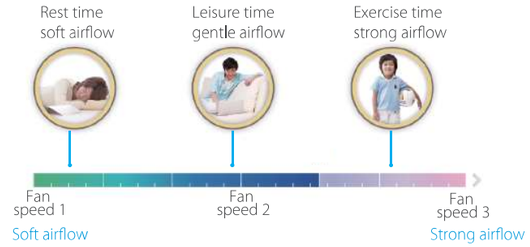
- 3 or 4 rows coil are optional for whole series .
- 2-Pipe and 4-Pipe are optional for whole series.
- Ultra-thin with 200 mm thickness.
- Floor standing/Horizontal/ Concealed type installation available (For floor standing : The footing is optional).
- The wired controller(KJRP-86I/MFK-E or KJRP-86A/BMFNKD-E) can be installed inside the unit.

Floor standing unit with multi casing options can be installed quickly and easily in new or existing facilities in a variety of applications.



Multiple Fan Speeds

The AC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirement, the H3 (concealed) unit is designed to be concealed in wall while the H1 (front air intake) and H2 (underside air intake) offer a choice of air intake options.

Concealed Type
H3 Series



Exposed Type
(air return from bottom)
H2 Series

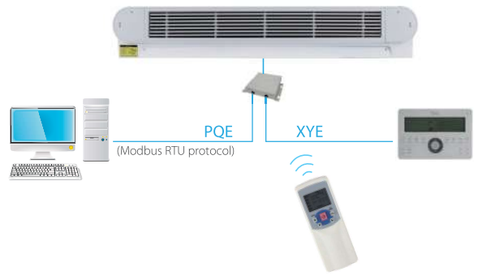


Exposed Type
(air return from side)
H1 Series



Control solutions

The fan coil units can be connected to Midea centralized controllers or BMS through the customized FCU KIT.

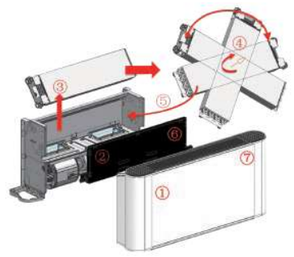


Wired Controller Easy Installation

A place for wired controller is reserved on the surface of the unit, KJRP-86I/MFK-E and KJRP-86A/BMFNKD-E can be perfectly installed.



Right/Left connection easy change



①*Remove the cover*
②*Remove the drain pan*
③*Remove the heat changer*
④*Turn heat changer over 180°*
⑤*Install heat changer*
⑥*Install the drain pan*
⑦*Install the cover*

Ease of Installation and Maintenance

The ceiling and floor unit offers exposed installation. The installation and maintenance is easy. The maintenance of the machine is quite easy and the key components can be accessed from the bottom of the machine.



Ceiling and Floor Installation Option

The unit is uniquely designed with the possibility to be installed beneath the ceiling or sitting on the floor to suit any interior design requirements.



2- Pipe 2nd Generation Ceiling&Floor

Model			MKH1-150-R3	MKH1-150-R4	MKH1-250-R3	MKH1-250-R4	MKH1-350-R3	MKH1-350-R4
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)		m^3/h	245/160/135	245/180/130	380/245/140	380/250/160	580/435/310	580/430/310
		CFM	144/94/79	144/106/76	224/144/82	235/147/94	341/256/182	341/253/182
External static pressure		Pa	0					
Cooling	Total Capacity (H/M/L)	kW	1.58/1.17/1.04	2.16/1.78/1.35	2.51/1.92/1.32	2.72/2.02/1.41	3.75/3.10/2.40	4.09/3.29/2.41
	Water flow rate (H/M/L)	m^3/h	0.27/0.20/0.18	0.37/0.31/0.23	0.43/0.33/0.23	0.47/0.35/0.24	0.64/0.53/0.41	0.70/0.56/0.41
	Water pressure drop (H/M/L)	kPa	15.1/9.0/7.1	31.9/23.2/14.1	17.1/11.7/5.2	23.9/14.0/7.5	37.3/26.4/16.5	40.1/26.4/15.3
Heating	Capacity (H/M/L)	kW	1.77/1.24/1.08	2.26/1.79/1.36	2.80/2.01/1.38	2.81/2.04/1.43	3.99/3.21/2.41	4.19/3.34/2.45
	Water flow rate (H/M/L)	m^3/h	0.30/0.21/0.19	0.39/0.31/0.23	0.48/0.34/0.24	0.48/0.35/0.25	0.68/0.55/0.41	0.72/0.57/0.42
	Water pressure drop (H/M/L)	kPa	15.0/7.9/6.4	31.9/21.5/14.1	16.6/9.8/5.2	22.5/12.6/6.1	34.6/24.2/15.4	36.3/25.4/14.5
Power input (H/M/L)		W	35/17/14	40/24/15	47/26/14	47/26/15	51/32/19	51/32/19
Sound pressure level (H/M/L)		dB(A)	34/23/21	39/34/26	34/25/19	35/26/20	39/32/24	39/32/24
Sound power level (H/M/L)		dB(A)	47/36/34	52/47/39	47/38/32	48/39/33	52/45/37	52/45/37
Fan motor	Type		AC fan motor					
	Quantity		1	1	1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades					
	Quantity		1	1	2	2	2	2
Coil	Row		3	4	3	4	3	4
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94
Body	Net dimensions (W×H×D)	mm	790×495×211	790×495×211	1020×495×211	1020×495×211	1240×495×211	1240×495×211
	Packing size (W×H×D)	mm	895×595×300	895×595×300	1125×595×300	1125×595×300	1345×595×300	1345×595×300
	Net weight	kg	16.3	16.7	20.0	20.8	24.0	25.4
	Gross weight	kg	21.8	22.7	26.8	26.8	31.0	32.4
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5

Model			MKH1-500-R3	MKH1-500-R4	MKH1-700-R3	MKH1-700-R4	MKH1-800-R3	MKH1-800-R4
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)		m^3/h	780/550/380	780/560/390	1050/750/490	1150/800/520	1100/845/530	1300/910/670
		CFM	459/324/224	459/329/229	618/441/288	618/471/306	647/497/312	618/535/394
External static pressure		Pa	0					
Cooling	Total Capacity (H/M/L)	kW	4.59/3.75/2.88	5.21/4/3	5.29/4.43/3.27	6.16/5.29/3.87	6.22/5.4/4.36	6.66/6.07/4.74
	Water flow rate (H/M/L)	m^3/h	0.79/0.64/0.49	0.89/0.71/0.55	0.91/0.76/0.56	1.06/0.91/0.66	1.07/0.94/0.75	1.14/1.04/0.81
	Water pressure drop (H/M/L)	kPa	56.1/39.5/25.0	59.9/40.4/26.0	47.5/32.6/18.7	36.8/26.7/14.8	38.4/31.4/19.7	52.3/44.5/28.2
Heating	Capacity (H/M/L)	kW	5.13/3.90/2.96	5.33/4.25/3.23	5.42/4.50/3.35	6.53/5.30/3.92	6.94/6.00/3.97	6.86/6.13/4.76
	Water flow rate (H/M/L)	m^3/h	0.88/0.67/0.51	0.91/0.73/0.55	0.93/0.77/0.57	1.12/0.91/0.67	1.19/1.03/0.79	1.18/1.05/0.82
	Water pressure drop (H/M/L)	kPa	56.0/36.8/23.0	59.4/36.8/21.2	51.0/34.0/18.6	38.5/26.2/13.4	40.7/28.8/17.0	50.0/38.3/23.3
Power input (H/M/L)		W	91/54/34	92/54/35	118/98/68	110/93/66	124/93/65	118/81/70
Sound pressure level (H/M/L)		dB(A)	48/39/30	48/39/30	52/43/33	52/43/33	53/48/39	53/48/39
Sound power level (H/M/L)		dB(A)	61/52/43	61/52/43	65/57/46	65/57/47	66/61/52	65/61/52
Fan motor	Type		AC fan motor					
	Quantity		1	1	1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades					
	Quantity		2	2	3	3	3	3
Coil	Row		3	4	3	4	3	4
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94
Body	Net dimensions (W×H×D)	mm	1240×495×211	1240×495×211	1360×495×211	1360×495×211	1360×591×211	1360×591×211
	Packing size (W×H×D)	mm	1345×595×300	1345×595×300	1465×595×300	1465×595×300	1465×695×300	1465×695×300
	Net weight	kg	25.5	26.3	27.3	28.5	31.7	34.0
	Gross weight	kg	32.0	33.4	34.8	36.0	40.2	42.0
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5

Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
   Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.

2- Pipe 2nd Generation Ceiling&Floor

Model			MKH2-150-R3	MKH2-150-R4	MKH2-250-R3	MKH2-250-R4	MKH2-350-R3	MKH2-350-R4
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)		m^3/h	255/165/142	255/192/139	400/273/180	425/284/184	595/447/319	595/450/319
		CFM	150/97/84	150/113/82	235/161/106	250/167/109	350/263/188	350/265/188
External static pressure		Pa	0					
Cooling	Total Capacity (H/M/L)	kW	1.65/1.22/1.09	2.25/1.85/1.40	2.65/2.02/1.40	3.05/2.26/1.58	3.85/3.19/2.46	4.20/3.38/2.48
	Water flow rate (H/M/L)	m^3/h	0.28/0.21/0.19	0.39/0.32/0.24	0.45/0.35/0.24	0.52/0.39/0.27	0.66/0.55/0.42	0.72/0.58/0.43
	Water pressure drop (H/M/L)	kPa	15.75/9.33/7.37	33.19/22.37/14.64	18.03/11.18/5.48	26.71/15.66/8.42	38.23/27.11/16.96	41.15/27.07/15.71
Heating	Capacity (H/M/L)	kW	1.85/1.29/1.13	2.35/1.87/1.42	3.05/2.24/1.52	3.15/2.28/1.60	4.10/3.30/2.48	4.30/3.43/2.52
	Water flow rate (H/M/L)	m^3/h	0.32/0.22/0.19	0.40/0.32/0.24	0.52/0.38/0.26	0.54/0.39/0.28	0.71/0.57/0.43	0.74/0.59/0.43
	Water pressure drop (H/M/L)	kPa	15.13/8.22/6.64	33.19/22.37/14.64	17.56/10.28/5.43	23.31/12.57/6.11	35.52/24.83/14.91	37.20/24.50/13.75
Power input (H/M/L)		W	35/17/14	40/24/15	47/26/14	47/26/14	51/32/19	51/32/19
Sound pressure level (H/M/L)		dB(A)	35/24/21	42/35/27	34/24/18	34/25/19	39/32/23	40/35/31
Sound power level (H/M/L)		dB(A)	47/35/34	53/47/39	46/37/31	47/38/32	52/44/36	52/45/37
Fan motor	Type		AC fan motor					
	Quantity		1	1	1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades					
	Quantity		1	1	2	2	2	2
Coil	Row		3	4	3	4	3	4
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94
Body	Net dimensions (W×H×D)	mm	790×495×200	790×495×200	1020×495×200	1020×495×200	1240×495×200	1240×495×200
	Packing size (W×H×D)	mm	895×595×300	895×595×300	1125×595×300	1125×595×300	1345×595×300	1345×595×300
	Net weight	kg	16.3	16.7	20.0	20.8	24.0	25.4
	Gross weight	kg	21.8	22.7	26.8	26.8	31.0	32.4
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5

Model			MKH2-500-R3	MKH2-500-R4	MKH2-700-R3	MKH2-700-R4	MKH2-800-R3	MKH2-800-R4
Power supply		V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)		m^3/h	790/560/392	800/574/404	1190/855/555	1150/885/591	1300/1088/782	1300/1132/836
		CFM	465/330/231	471/338/238	700/503/327	677/521/348	766/641/461	766/667/492
External static pressure		Pa	0					
Cooling	Total Capacity (H/M/L)	kW	4.65/3.80/2.92	5.35/4.25/3.31	6.00/5.03/3.71	6.75/5.80/4.24	7.35/6.51/5.15	8.25/7.52/5.87
	Water flow rate (H/M/L)	m^3/h	0.80/0.65/0.50	0.92/0.73/0.57	1.03/0.86/0.63	1.16/1.00/0.73	1.26/1.12/0.88	1.41/1.29/1.01
	Water pressure drop (H/M/L)	kPa	56.85/40.02/25.31	61.48/41.44/26.62	53.79/36.96/21.16	40.26/29.20/16.15	45.43/37.06/23.29	64.72/55.03/34.88
Heating	Capacity (H/M/L)	kW	5.20/3.95/3.00	5.70/4.36/3.31	6.15/5.10/3.80	7.15/5.81/4.30	8.20/7.09/5.46	8.50/7.60/5.90
	Water flow rate (H/M/L)	m^3/h	0.89/0.68/0.52	0.98/0.75/0.57	1.05/0.88/0.65	1.23/1.00/0.74	1.41/1.22/0.94	1.46/1.30/1.02
	Water pressure drop (H/M/L)	kPa	56.68/37.31/23.25	60.89/37.73/21.79	57.85/38.53/21.1	42.16/28.68/14.66	44.60/34.09/19.98	61.96/47.46/28.84
Power input (H/M/L)		W	91/54/34	91/54/35	123/98/68	110/89/64	123/109/83	118/104/82
Sound pressure level (H/M/L)		dB(A)	48/39/31	47/40/31	50/43/33	50/44/33	51/46/36	50/45/37
Sound power level (H/M/L)		dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/50	63/58/50
Fan motor	Type		AC fan motor					
	Quantity		1	1	1	1	1	1
Fan	Type		Centrifugal, forward-curved Blades					
	Quantity		2	2	3	3	3	3
Coil	Row		3	4	3	4	3	4
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94
Body	Net dimensions (W×H×D)	mm	1240×495×200	1240×495×200	1360×495×200	1360×495×200	1360×591×200	1360×591×200
	Packing size (W×H×D)	mm	1345×595×300	1345×595×300	1465×595×300	1465×595×300	1465×695×300	1465×695×300
	Net weight	kg	25.5	26.3	27.3	28.5	31.7	34.0
	Gross weight	kg	32.0	33.4	34.8	36.0	40.2	42.0
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5

Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
   Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber test room.