

Cassette Series

4-way Cassette



2-pipe

4-pipe

Compact 4-way Cassette



2-pipe

4-pipe

Various Selections >>

- ❖ Versions for 2/4 pipe system.
- ❖ Versions for compact/normal size.

Stylish Panel with Large Airflow Outlet >>

- ❖ 4-way air supply panel is standard for 4-way cassette.
- ❖ 360° air supply panel is standard for compact 4-way cassette.

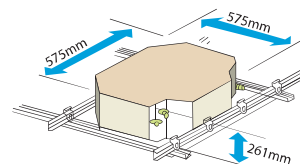
4-way panel

360° panel



Compact Design, Easy Installation >>

- ❖ For Compact Four-way Cassette: Extremely compact casing suits any room's decor and requires little space for installation on a low ceiling. Due to compact body and light weight, all models can be installed without a hoist.



High Efficiency and Low Sound Operation >>

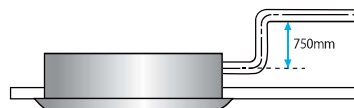
- ❖ Thanks to the DC brushless fan motor, the unit operates in high efficiency and low sound level.

Various Accessories Selections >>

- ❖ Safe factory-installed electric heater is optional.
- ❖ Extended drainage pan for better ceiling protection is optional.

High-lift Drain Pump >>

- ❖ Standard built-in drain pump with 750mm pump head for normal size and 500mm for compact size.



Fresh Air Intake >>

- ❖ Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.



2-Pipe 4-Way Cassette



Model		MKA-V60R	MKA-V750R	MKA-V850R
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Air flow (H/M/L)	m³/h	1175/987/768	1229/1020/810	1451/1146/1012
	CFM	691/580/451	722/600/476	853/674/595
Cooling¹	Capacity (H/M/L)	kW	5.93/5.3/4.4	7.52/6.46/5.89
	Water flow rate(H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81
	Water pressure drop(H/M/L)	kPa	19.2/15.4/11	21.3/21.3/12.4
	Power input(H/M/L)	W	41/27/17	49/31/20
	Power input(H/M/L)	kW	6.06/6.35/5.32	6.27/6.53/5.43
Heating²	Capacity (H/M/L)	kW	1.30/1.14/1.13	1.39/1.20/1.00
	Water flow rate(H/M/L)	m³/h	1.30/1.14/1.13	1.39/1.20/1.00
	Water pressure drop(H/M/L)	kPa	25.9/20.1/19.9	30.2/22.7/16.3
	Power input(H/M/L)	W	42/28/17	44/32/19
	Power input(H/M/L)	kW	8.42/7.31/6.06	8.62/7.49/6.27
Heating³	Capacity (H/M/L)	kW	1.06/0.92/0.77	1.10/0.96/0.81
	Water flow rate(H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81
	Water pressure drop(H/M/L)	kPa	16.9/12.7/8.6	19.1/14.8/10.6
	Power input(H/M/L)	W	42/28/17	49/31/19
	Power input(H/M/L)	kW	43/29/17	44/30/19
Sound pressure level (H/M/L)	dB(A)	43/39/33	44/40/34	45/40/37
Fan motor	Type	DC Motor	DC Motor	DC Motor
Fan	Quantity	1	1	1
	Type	Centrifugal, forward-curved Blades		
Coil	Row	2	2	2
	Max. Working pressure	MPa	1.6	1.6
	Diameter	mm	Ø7	Ø7
	Net dimensions (WxHxD)	mm	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035
Panel	Net weight	kg	6	6
	Gross weight	kg	9	9
	Net dimensions (WxHxD)	mm	840x230x840	840x230x840
	Packing size (WxHxD)	mm	900x260x900	900x260x900
	Net weight	kg	23	27
Body	Gross weight	kg	28	33
	Water inlet/outlet pipe	inch	RC3/4	RC3/4
	Drain pipe	mm	ODØ32	ODØ32

Model		MKA-V950R	MKA-V1200R	MKA-V1500R
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Air flow (H/M/L)	m³/h	1530/1224/1101	1581/1371/1236	1871/1415/1198
	CFM	907/720/647	930/806/727	1100/832/704
Cooling¹	Capacity (H/M/L)	kW	7.84/6.84/6.35	7.87/7.12/6.67
	Water flow rate(H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22
	Water pressure drop(H/M/L)	kPa	22/17/14.1	22.3/18.1/16.3
	Power input(H/M/L)	W	75/42/34	85/59/45
	Power input(H/M/L)	kW	8.49/8.7/7.35	9.16/8.54/7.9
Heating²	Capacity (H/M/L)	kW	1.71/1.45/1.33	1.73/1.57/1.46
	Water flow rate(H/M/L)	m³/h	1.71/1.45/1.33	1.73/1.57/1.46
	Water pressure drop(H/M/L)	kPa	28.1/20.1/17.4	28.8/24.2/20.7
	Power input(H/M/L)	W	76/43/33	86/59/45
	Power input(H/M/L)	kW	10.86/9.24/8.49	10.92/9.84/9.16
Heating³	Capacity (H/M/L)	kW	1.43/1.24/1.13	1.44/1.28/1.22
	Water flow rate(H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22
	Water pressure drop(H/M/L)	kPa	19.9/15.2/12.6	20/16.2/14.7
	Power input(H/M/L)	W	76/42/33	85/58/45
	Power input(H/M/L)	kW	46/42/39	48/44/41
Sound pressure level (H/M/L)	dB(A)	46/42/39	48/44/41	49/43/39
Fan motor	Type	DC Motor	DC Motor	DC Motor
Fan	Quantity	1	1	1
	Type	Centrifugal, forward-curved Blades		
Coil	Row	2	2	2
	Max. Working pressure	MPa	1.6	1.6
	Diameter	mm	Ø7	Ø7
	Net dimensions (WxHxD)	mm	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035
Panel	Net weight	kg	6	6
	Gross weight	kg	9	9
	Net dimensions (WxHxD)	mm	840x300x840	840x300x840
	Packing size (WxHxD)	mm	900x330x900	900x330x900
	Net weight	kg	27	29.5
Body	Gross weight	kg	33	34.5
	Water inlet/outlet pipe	inch	RC3/4	RC3/4
	Drain pipe	mm	ODØ32	ODØ32

Based on Eurovent conditions:

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, high fan speed.

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

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-Pipe 4-Way Cassette



Model		MKA-V630F	MKA-V750F	MKA-V850F
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Air flow (H/M/L)	m ³ /h CFM	1287/1084/851 757/637/500	1389/1149/929 817/675/546	1444/1143/1008 849/672/592
Cooling ¹	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	5.36/4.81/4 0.99/0.87/0.72 14.8/11.5/8.1 50/33/19	5.62/5.4/2.6 0.99/0.95/0.80 16.1/12.7/10.4 60/38/29
Heating ²	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	7.38/6.06/5.09 0.61/0.55/0.47 25.3/20.5/14.5 51/33/19	7.66/6.35/5.44 0.65/0.58/0.50 32/25.7/19.1 61/38/23
Heating ³	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	8.15/7.19/6.17 0.69/0.62/0.54 37.2/26.1/19.3 50/33/19	8.34/7.17/6.57 0.73/0.66/0.61 39.5/32.5/23.8 62/39/23
Sound pressure level	(H/M/L) dB(A)	42/37/31	44/39/33	45/39/36
Fan motor	Type Quantity	DC Motor 1	DC Motor 1	DC Motor 1
Fan	Type Quantity	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1
Coil	Row Max. working pressure Diameter	2 MPa Ø7	2 MPa Ø7	2 MPa Ø7
Panel	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	950x45x950 1035x90x1035 6 9	950x45x950 1035x90x1035 6 9
Body	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	840x300x840 900x330x900 27.5 33.5	840x300x840 900x330x900 27.5 33.5
Pipe connections	Water inlet/outlet pipe Drain pipe	inch mm	Cold water: RC3/4; Hot water: RC1/2 ODØ32	Cold water: RC3/4; Hot water: RC1/2 ODØ32

Model		MKA-V950F	MKA-V1200F	MKA-V1500F
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Air flow (H/M/L)	m ³ /h CFM	1525/1212/1088 897/712/640	1785/1545/1397 1050/908/821	1857/1410/1191 876/729/645
Cooling ¹	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	5.82/5.07/4.75 1.040/0.90/83 16.4/12.6/10.9 77/42/32	8.75/7.97/7.4 1.57/1.30/1.15 33.9/30/24 107/71/54
Heating ²	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	8.52/6.36/5.93 0.68/0.59/0.55 34/26.6/23.5 76/42/32	11.7/9.88/9.27 0.96/0.89/0.84 42.4/36.6/32.6 107/72/55
Heating ³	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	8.37/7.24/6.76 0.78/0.67/0.63 43.8/33.5/29.3 76/41/32	12.29/9.17/8.24 1.14/0.96/0.87 62.1/45.7/38.3 129/83/35
Sound pressure level	(H/M/L) dB(A)	46/41/38	48/44/42	49/43/38
Fan motor	Type Quantity	DC Motor 1	DC Motor 1	DC Motor 1
Fan	Type Quantity	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1
Coil	Row Max. working pressure Diameter	2 MPa Ø7	2 MPa Ø7	2 MPa Ø7
Panel	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	950x45x950 1035x90x1035 6 9	950x45x950 1035x90x1035 6 9
Body	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	840x300x840 900x330x900 27.5 32.4	840x300x840 900x330x900 27.5 35
Pipe connections	Water inlet/outlet pipe Drain pipe	inch mm	Cold water: RC3/4; Hot water: RC1/2 ODØ32	Cold water: RC3/4; Hot water: RC1/2 ODØ32

2-Pipe Compact 4-Way Cassette



Model		MKD-V300	MKD-V400	MKD-V500
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Air flow (H/M/L)	m ³ /h CFM	535/429/322 314/252/189	719/561/448 422/330/263	781/611/494 459/359/290
Cooling ¹	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	2.98/2.53/2 0.53/0.45/0.35 10/7/5 15/9/5	3.96/3.26/2.76 0.70/0.58/0.51 11.48/8.2/6.54 28/15/19
Heating ²	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	2.61/2.89/2.24 0.64/0.54/0.42 12.1/8.5/5.3 15/9/5	4.63/3.79/3.1 0.83/0.67/0.56 9.2/8.6/6 28/16/10
Heating ³	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	4.01/3.35/2.61 0.53/0.45/0.35 8.2/6/3.8 14/9/5	5.44/3.4/3.57 0.70/0.58/0.51 12.68/6.4/4.92 28/16/10
Sound pressure level (H/M/L)	(H/M/L) dB(A)	39/33/27	42/36/30	43/38/32
Fan motor	Type Quantity	DC Motor 1	DC Motor 1	DC Motor 1
Fan	Type Quantity	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1
Coil	Row Max. working pressure Diameter	2 MPa Ø7	2 MPa Ø7	2 MPa Ø7
Panel	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	647x50x647 715x123x715 2.5 4.5	647x50x647 715x123x715 2.5 4.5
Body	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	575x261x575 670x290x670 16.5 22.5	575x261x575 670x290x670 16.5 22.5
Pipe connections	Water inlet/outlet pipe Drain pipe	inch mm	G3/4 ODØ25	G3/4 ODØ25

4-Pipe Compact 4-Way Cassette

Model		MKD-V320F	MKD-V400F	MKD-V500F
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Air flow (H/M/L)	m ³ /h CFM	536/429/321 315/252/188	727/569/451 427/334/265	731/572/462 430/336/271
Cooling ¹	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	2.42/2.08/1.65 0.42/0.36/0.29 17.4/13.1/9.3 14/9/5	3.08/2.64/2.28 0.56/0.48/0.41 33.15/9/7 37/24/19
Heating ²	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	4.24/2.86/2.25 0.32/0.27/0.21 23.5/17.1/11.3 15/9/5	5.52/3.33/2.98 0.36/0.31/0.27 24.14/17.9/13.1 28/16/10
Heating ³	Capacity (H/M/L) Water flow rate(H/M/L) Water pressure drop(H/M/L) Power input(H/M/L)	kW m ³ /h kPa W	3.85/3.25/2.55 0.36/0.30/0.24 29.8/21.7/14.3 15/9/5	4.94/4.12/3.5 0.46/0.38/0.33 30.36/22.17/16.68 29/16/10
Sound pressure level	(H/M/L) dB(A)	39/33/27	42/35/30	44/39/31
Fan motor	Type Quantity	DC Motor 1	DC Motor 1	DC Motor 1
Fan	Type Quantity	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1	Centrifugal, forward-curved Blades 1
Coil	Row Max. working pressure Diameter	2 MPa Ø7	2 MPa Ø7	2 MPa Ø7
Panel	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	647x50x647 715x123x715 2.5 4.5	647x50x647 715x123x715 2.5 4.5
Body	Net dimensions (WxHxD) Packing size (WxHxD) Net weight Gross weight	mm mm kg kg	575x261x575 670x290x670 16.7 22.7	575x261x575 670x290x670 16.7 22.7
Pipe connections	Water inlet/outlet pipe Drain pipe	inch mm	Cold water: G3/4; Hot water: G1/2 ODØ25	Cold water: G3/4; Hot water: G1/2 ODØ25

Based on Eurovent conditions:

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, high fan speed.

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

(4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 65/55°C, high fan speed.

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

(4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 70/60°C, high fan speed.