



Fan Coil Units

KA-LSD

Low Static Pressure Fan Coil Unit



AC/DC Motor
Software

Overview & Specifications

The KA-LSD low static pressure fan-coil unit is to have a low profile of 245 or 295 mm.

Airflow Range: 340 to 3400 m³/h.

Cooling Capacity: 1.5 kW to 11 kW.

Available Static Pressure: 0 to 50 Pa.

Versions Available: 4-rows ; 6-rows.

Optional Features: Double-skin casing. Powder coating (RAL color code) for high humidity and rust conditions.

Construction & Components

Structure: Galvanized steel casing with corner-reinforced holes.

Double-Skin Casing (Optional): Outer layer of 0.5mm pre-painted G.I. sheet, inner layer of 0.5mm G.I. sheet, with 40kg/m³ density rockwool insulation in between, with total thickness 25mm.

Fan: Direct-driven double inlet, forward-curved centrifugal fan with a GI wheel.

Motor: Built-in single-phase AC motor with thermal protection (EC motor Optional). DC Motor software is also available.

Heat Exchanger: 3/8" (9.52mm) diameter refrigeration-quality copper tubes. Mechanically crimped aluminum fins (12pcs/inch corrugated blue fin). 3/4" male connection. Interchangeable on-site and 100% coil leakage tested at 350PSI.

Filters: Nylon filter with an 12.5mm aluminum frame (G4 rating). Alternative thicknesses 25mm is available.

Dimensional Data

Model	A	B	C	D	E	F	G	H	K	L
KA-LSD 02	740	522	470	470	245	130	192	150	517	390
KA-LSD 03	840	622	570	570	245	130	192	150	517	390
KA-LSD 04	940	722	670	670	245	130	192	150	517	390
KA-LSD 05	1040	822	770	770	245	130	192	150	517	390
KA-LSD 06	1240	952	900	900	245	130	192	150	517	390
KA-LSD 08	1540	1272	1220	1220	245	130	192	150	517	390
KA-LSD 10	1770	1472	1420	1420	245	130	192	150	517	390
KA-LSD 12	1940	1682	1630	1630	245	130	192	150	517	390
KA-LSD 14	2040	1782	1730	1730	245	130	192	150	517	390
KA-LSD 16	1940	1672	1620	1620	295	180	242	200	577	450
KA-LSD 18	2040	1832	1780	1780	295	180	242	200	577	450
KA-LSD 20	2100	1932	1880	1880	295	180	242	200	577	450

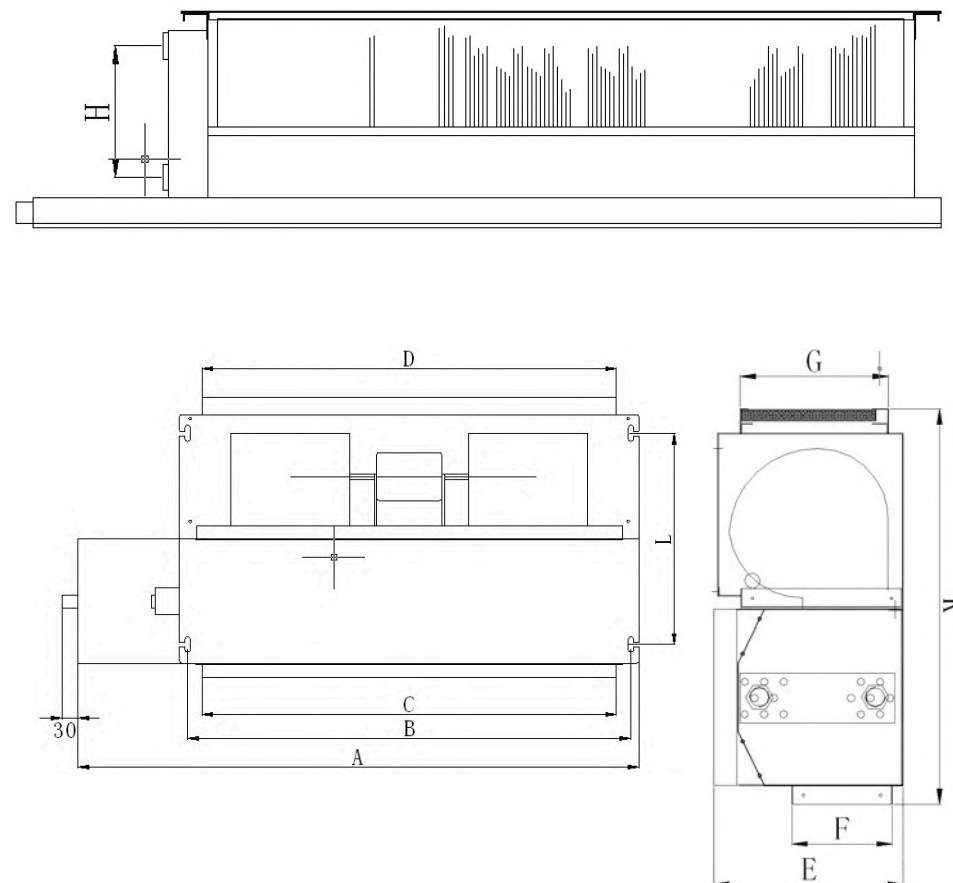
Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

Drawings



General Features

Power, Noise and Weight

Model	Power Input (W)	Noise dB(A)	Net Weight (kg)
KA-LSD 02	64	27	19
KA-LSD 03	88	29	21
KA-LSD 04	118	34	22
KA-LSD 05	132	35	24
KA-LSD 06	151	37	26
KA-LSD 08	186	38	36
KA-LSD 10	205	39	37
KA-LSD 12	245	46	45
KA-LSD 14	285	47	48
KA-LSD 16	320	48	52
KA-LSD 18	385	52	56
KA-LSD 20	450	56	58

Performance Data

Water Flow & Pressure Drop

Model	Speed	Water Flow (l/s)	Pressure Drop (kPa)
KA-LSD 02	High	0.12	10.21
	Medium	0.1	8.26
	Low	0.09	6.62
KA-LSD 03	High	0.17	19.71
	Medium	0.15	16.38
	Low	0.11	10.35
KA-LSD 04	High	0.2	10.51
	Medium	0.16	7.82
	Low	0.11	5.13
KA-LSD 05	High	0.22	13.81
	Medium	0.18	10.43
	Low	0.13	6.85

Performance Data

Water Flow & Pressure Drop

Model	Speed	Water Flow (l/s)	Pressure Drop (kPa)
KA-LSD 06	High	0.27	21.58
	Medium	0.22	16.19
	Low	0.18	12.93
KA-LSD 08	High	0.34	19.59
	Medium	0.27	14.51
	Low	0.21	10.44
KA-LSD 10	High	0.45	33.67
	Medium	0.34	23.37
	Low	0.26	16.13
KA-LSD 12	High	0.52	46.13
	Medium	0.42	35.44
	Low	0.33	25.61

Model	Speed	Water Flow (l/s)	Pressure Drop (kPa)
KA-LSD 14	High	0.57	55.66
	Medium	0.46	41.72
	Low	0.38	32.78
KA-LSD 16	High	0.66	46.61
	Medium	0.56	38.1
	Low	0.45	28.1
KA-LSD 18	High	0.73	27.43
	Medium	0.59	21.09
	Low	0.46	15.24
KA-LSD 20	High	0.84	36.11
	Medium	0.65	25.57
	Low	0.49	18

Performance Data

Air Flow (m³/h)

Model	KA-LSD 02	KA-LSD 03	KA-LSD 04	KA-LSD 05	KA-LSD 06	KA-LSD 08	KA-LSD 10	KA-LSD 12	KA-LSD 14	KA-LSD 16	KA-LSD 18	KA-LSD 20
Nominal	340	510	680	850	1020	1360	1700	2040	2380	2720	3060	3400
H	386	548	728	848	1028	1342	1680	1980	2310	2580	2905	3280
M	328	480	576	615	755	881	1132	1403	1598	1909	2168	2380
L	289	336	368	398	597	629	775	1006	1182	1394	1476	1635

Cooling (kW)

Model		KA-LSD 02	KA-LSD 03	KA-LSD 04	KA-LSD 05	KA-LSD 06	KA-LSD 08	KA-LSD 10	KA-LSD 12	KA-LSD 14	KA-LSD 16	KA-LSD 18	KA-LSD 20
Total	H	2.52	3.66	4.12	4.57	5.72	7.02	9.47	10.84	11.97	13.73	15.2	17.57
	M	2.15	3.18	3.29	3.68	4.59	5.59	7.17	8.87	9.61	11.78	12.44	13.52
	L	1.8	1.93	2.24	2.28	3.87	4.35	5.41	6.93	8	9.34	9.71	10.35
Sensible	H	1.8	2.6	3.01	3.27	4.05	4.94	6.63	7.52	8.28	9.54	10.74	12.37
	M	1.52	2.24	2.35	1.6	3.2	3.87	4.94	6.08	6.57	8.1	8.67	9.36
	L	1.25	1.54	1.66	1.84	2.67	2.96	3.66	4.68	5.41	6.34	6.66	7.05

KA-HSD

High Static Pressure Fan Coil Unit



AC/DC Motor
Software

Overview & Specifications

The KA-HSD high static pressure fan-coil unit is mainly used for ceiling ducted occasion.

Airflow Range: 1360 to 5100 m³/h.

Cooling Capacity: 5.94 kW to 30 kW (sensible capacity at medium speed).

Available Static Pressure: 75 to 150 Pa. Duct flange seal connection.

Versions Available: 4-rows; 6-rows

Optional Features: Double-skin casing. Powder coating (RAL color code) for high humidity and rust conditions. AC/DC motor available.

Construction & Components

Structure: Galvanized steel casing with corner-reinforced holes.

Double-Skin Casing (Optional): Outer layer of 0.5mm pre-painted G.I. sheet, inner layer of 0.5mm G.I. sheet, with 40kg/m³ density rockwool insulation in between, with total thickness 25mm.

Fan: Forward curved centrifugal, double inlet with direct drive. Fan and filter access by access door.

Motor: Built-in single-phase AC motor with thermal protection (EC motor Optional). DC Motor software is also available.

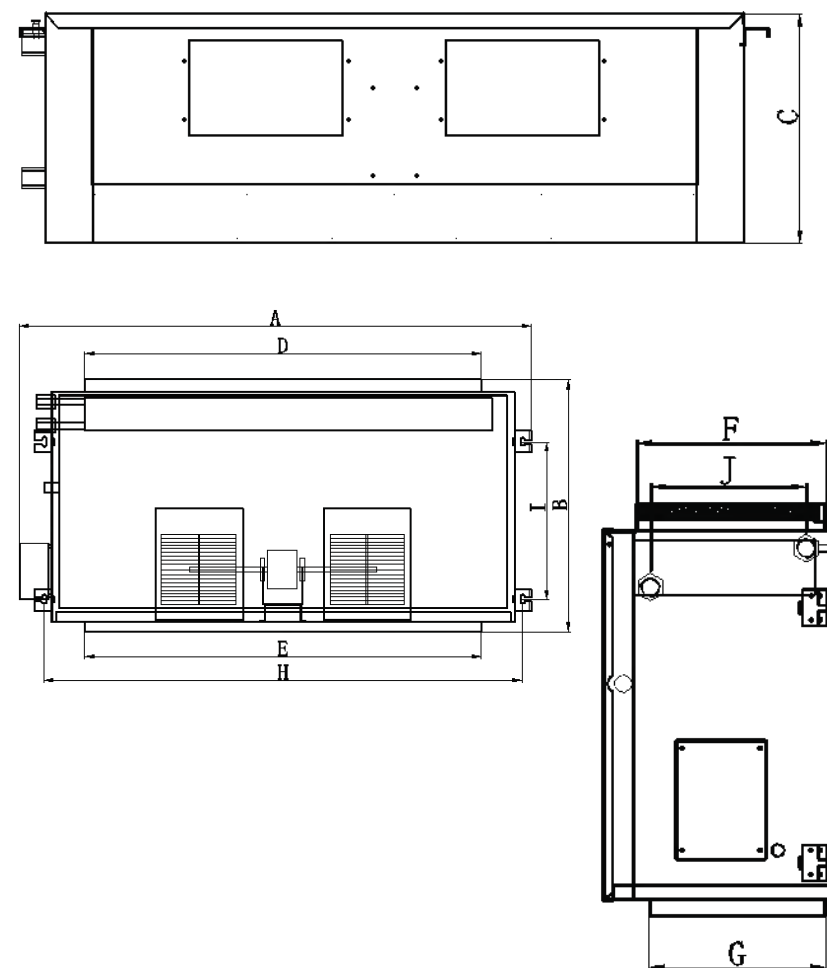
Heat Exchanger: 3/8" (9.52mm) diameter refrigeration-quality copper tubes. Connection options of 3/4" or 1" depending on the model. Mechanically crimped aluminum fins. Interchangeable on-site and 100% coil leakage tested at 350PSI.

Filters: Nylon filter with an 12.5mm aluminum frame (G4 rating). Alternative thicknesses of 25mm is available.

Dimensional List

Drawings

Model	A	B	C	D	E	F	G	H	I	J
KA-HSD 08	1090	568	340	780	780	255	255	1000	280	213
KA-HSD 10	1190	568	340	880	880	255	255	1100	280	213
KA-HSD 12	1290	568	390	980	980	305	305	1200	280	260
KA-HSD 14	1450	688	390	1140	1000	305	305	1360	425	260
KA-HSD 18	1490	688	450	1180	1100	365	305	1400	425	310
KA-HSD 20	1620	863	450	1310	1200	365	305	1530	425	310
KA-HSD 24	1640	863	500	1330	1200	415	355	1550	575	360
KA-HSD 30	1970	863	500	1660	1500	415	355	1880	575	360



Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Noise dB(A)	Net Weight (kg)
KA-HSD 08	368	44	42
KA-HSD 10	460	45	50
KA-HSD 12	564	46	55
KA-HSD 14	650	49	72
KA-HSD 18	845	49	76
KA-HSD 20	934	51	83
KA-HSD 24	1128	53	93
KA-HSD 30	1445	57	108

Performance Data

Water Flow (l/s)

Model	KA-HSD 08	KA-HSD 10	KA-HSD 12	KA-HSD 14	KA-HSD 18	KA-HSD 20	KA-HSD 24	KA-HSD 30
H	0.31	0.44	0.6	0.72	0.95	1.06	1.22	1.56
M	0.28	0.37	0.51	0.62	0.81	0.86	1.04	1.27
L	0.23	0.3	0.42	0.5	0.66	0.7	0.85	1.03

Water Pressure Drop (kPa)

Model	KA-HSD 08	KA-HSD 10	KA-HSD 12	KA-HSD 14	KA-HSD 18	KA-HSD 20	KA-HSD 24	KA-HSD 30
H	11.24	19.17	25.08	36.16	43.19	54.83	56.14	93.36
M	10.21	15.94	20.86	30.01	35.93	42.99	46.6	73.09
L	7.96	12.48	16.3	23.41	28.09	33.5	36.39	56.73

Performance Data

Air Flow (m³/h)

Model	KA-HSD 08	KA-HSD 10	KA-HSD 12	KA-HSD 14	KA-HSD 18	KA-HSD 20	KA-HSD 24	KA-HSD 30
Nominal	1001	1516	2053	2406	3267	3590	4108	5070
H	892	1213	1643	1925	2613	2684	3286	3802
M	669	910	1232	1444	1960	2013	2465	2851
L	1001	1516	2053	2406	3267	3590	4108	5070

Cooling (kW)

Model		KA-HSD 08	KA-HSD 10	KA-HSD 12	KA-HSD 14	KA-HSD 18	KA-HSD 20	KA-HSD 24	KA-HSD 30
Total	H	6.44	9.12	12.56	15.06	19.82	22.2	25.56	32.57
	M	5.94	7.82	10.76	12.89	16.99	18.11	21.87	26.55
	L	4.83	6.38	8.76	10.47	13.83	14.7	17.78	21.48
Sensible	H	4.53	6.48	8.84	10.5	13.88	15.43	17.74	22.33
	M	4.14	5.47	7.47	8.87	11.74	12.39	15	17.95
	L	3.3	4.37	5.97	7.08	9.4	9.9	12	14.31

KA-U

Universal Fan Coil Unit



AC/DC Motor
Software

Overview & Specifications

The KA-U ceiling cassette fan-coil unit is to have a low profile of 250mm.

Airflow Range: 340 to 2380 m³/h.

Cooling Capacity: 1.98 kW to 13 kW.

Available Static Pressure: Air conditioning of commercial buildings like hotel lobbies and offices for cooling and heating.

Versions Available: 4-rows; 6-rows

Key Advantages: Elegant cabinet and grill design. V-shape drain pan allows for both horizontal and vertical installation. Optional network control with DIP switch. AC/DC motor available.

Air Return: Bottom air return or front air return.

Construction & Components

Structure: ABS plastic air return and supply grill with elegant design. Metal parts made with standard Q235 galvanized steel sheet, including reinforcement hanger for ceiling mounted installation. ABS plastic feet can be added for floor standing installation.

Fan: GI fan impeller of centrifugal fans (forward curved, double inlet), designed for high efficiency and low noise level.

Motor: Built-in single-phase AC motor with thermal protection. DC Motor software is also available.

Heat Exchanger: 3/8" (9.52mm) diameter refrigeration-quality copper tubes. 3/4" male connection. Aluminum fins are mechanically crimped. Mounted on slides and interchangeable on site. 100% coil leakage tested at 350PSI.

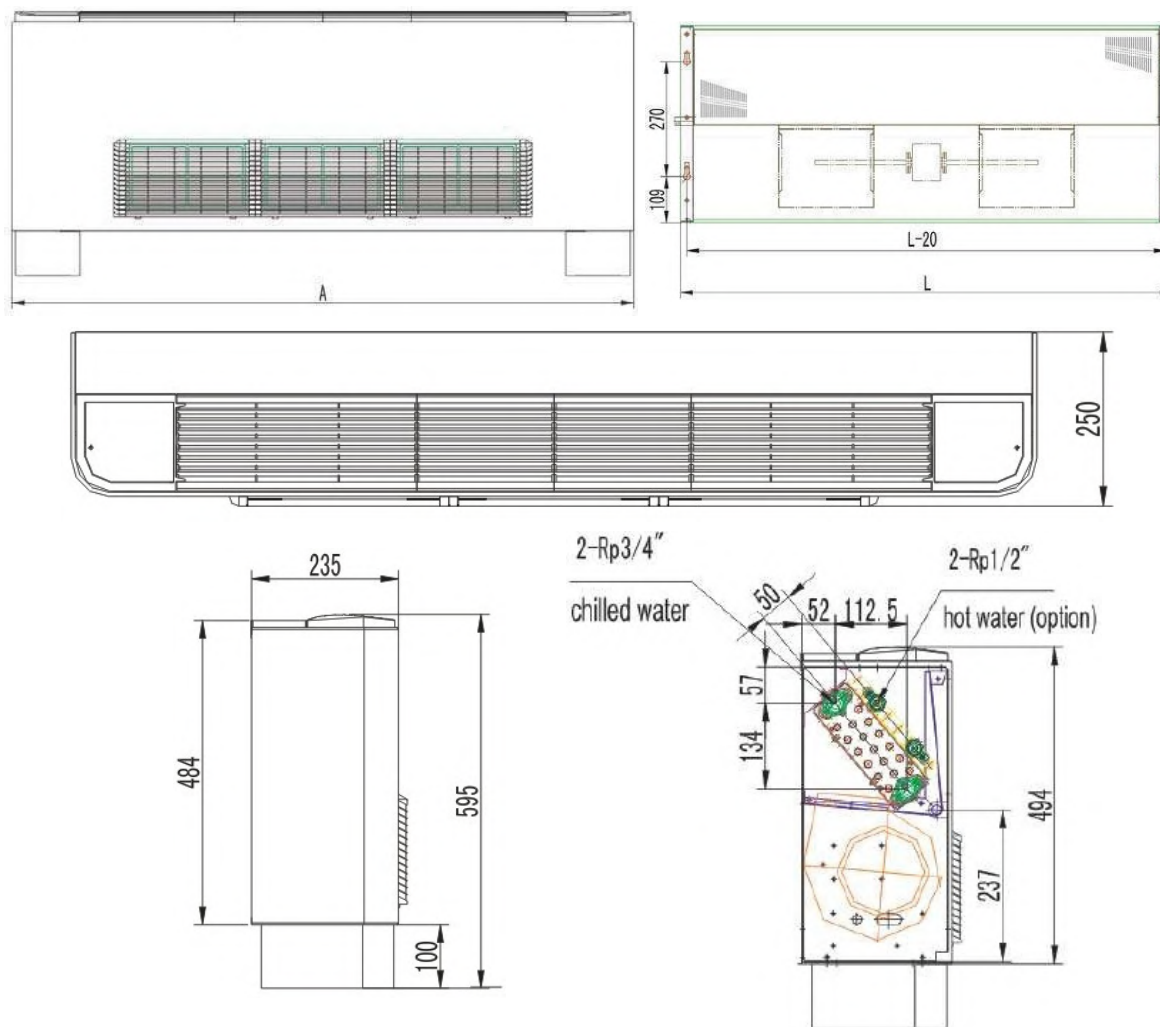
Drain Tray: Punched as a whole without any welding traces. Powder coated on GI sheet with rockwool insulation.

Filters: Nylon filter is standard provided for both bottom and front air return ways.

Dimensional List

Drawings

Model	L (mm)	A (mm)
KA-U 02	598	858
KA-U 03	658	908
KA-U 04	808	1158
KA-U 05	958	1208
KA-U 06	1008	1258
KA-U 08	1358	1608
KA-U 10	1508	1758
KA-U 12	1658	1908
KA-U 14	1808	2058



Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Noise dB(A)	Net Weight (kg)
KA-U 02	42	28	18
KA-U 03	58	29	19
KA-U 04	65	33	21
KA-U 05	83	35	23
KA-U 08	114	39	34
KA-U 10	138	41	37
KA-U 12	184	42	45
KA-U 14	221	45	48

Performance Data

Water Flow (l/s)

Model	KA-U 02	KA-U 03	KA-U 04	KA-U 05	KA-U 06	KA-U 08	KA-U 10	KA-U 12	KA-U 14
H	0.09	0.12	0.17	0.22	0.25	0.34	0.46	0.57	0.64
M	0.08	0.11	0.14	0.18	0.2	0.26	0.34	0.49	0.54
L	0.06	0.09	0.11	0.13	0.15	0.22	0.27	0.33	0.37

Water Pressure Drop (kPa)

Model	KA-U 02	KA-U 03	KA-U 04	KA-U 05	KA-U 06	KA-U 08	KA-U 10	KA-U 12	KA-U 14
H	2.58	4.21	7.86	12.8	17.92	33.86	59.86	92.21	114.52
M	2.03	3.64	6.07	10.21	13.24	23.95	40.51	75.79	91.25
L	1.53	2.93	4.61	6.59	8.99	19.18	29.2	44.24	56.8

Performance Data

Air Flow (m³/h)

Model	KA-U 02	KA-U 03	KA-U 04	KA-U 05	KA-U 06	KA-U 08	KA-U 10	KA-U 12	KA-U 14
Nominal	340	510	680	850	1020	1360	1700	2040	2380
H	411	510	680	879	998	1289	1722	2122	2392
M	313	434	512	685	721	891	1139	1720	1890
L	230	340	381	430	481	709	814	989	1151

Cooling (kW)

Model		KA-U 02	KA-U 03	KA-U 04	KA-U 05	KA-U 06	KA-U 08	KA-U 10	KA-U 12	KA-U 14
Total	H	1.98	2.55	3.51	4.56	5.34	7.21	9.64	11.93	13.37
	M	1.64	2.28	2.89	3.84	4.25	5.54	7.16	10.28	11.31
	L	1.33	1.93	2.34	2.75	3.16	4.68	5.58	6.82	7.84
Sensible	H	1.52	1.92	2.58	3.31	3.83	5.06	6.72	8.26	9.24
	M	1.24	1.69	2.08	2.75	2.99	3.83	4.91	7.06	7.75
	L	0.97	1.41	1.66	1.92	2.18	3.2	3.77	4.59	5.27

KA-4WC

Ceiling Cassette Fan coil unit



AC/DC Motor
Software

Overview & Specifications

The KA-4WC ceiling cassette fan-coil unit is to have a low profile of 290mm.

Airflow Range: 340 to 2890 m³/h.

Cooling Capacity: 3.5 kW to 15 kW.

Versions Available: 4-rows; 6-rows

Key Advantages: U-shape coil for an efficient exchange area. Optional network control with DIP switch. AC/DC motor available.

Construction & Components

Structure: ABS plastic front panel with elegant design. Metal parts utilize standard Q235 galvanized steel sheet with reinforcement hanger for ceiling mounted installation. IR Remote control is equipped as a standard requirement.

Drain Pump: High performance floating switch drain pump is equipped as a standard part.

Fan: ABS fan impeller of centrifugal fans. Designed for high efficiency and low noise level.

Motor: Built-in single-phase AC motor with thermal protection (EC motor Optional). DC Motor is available.

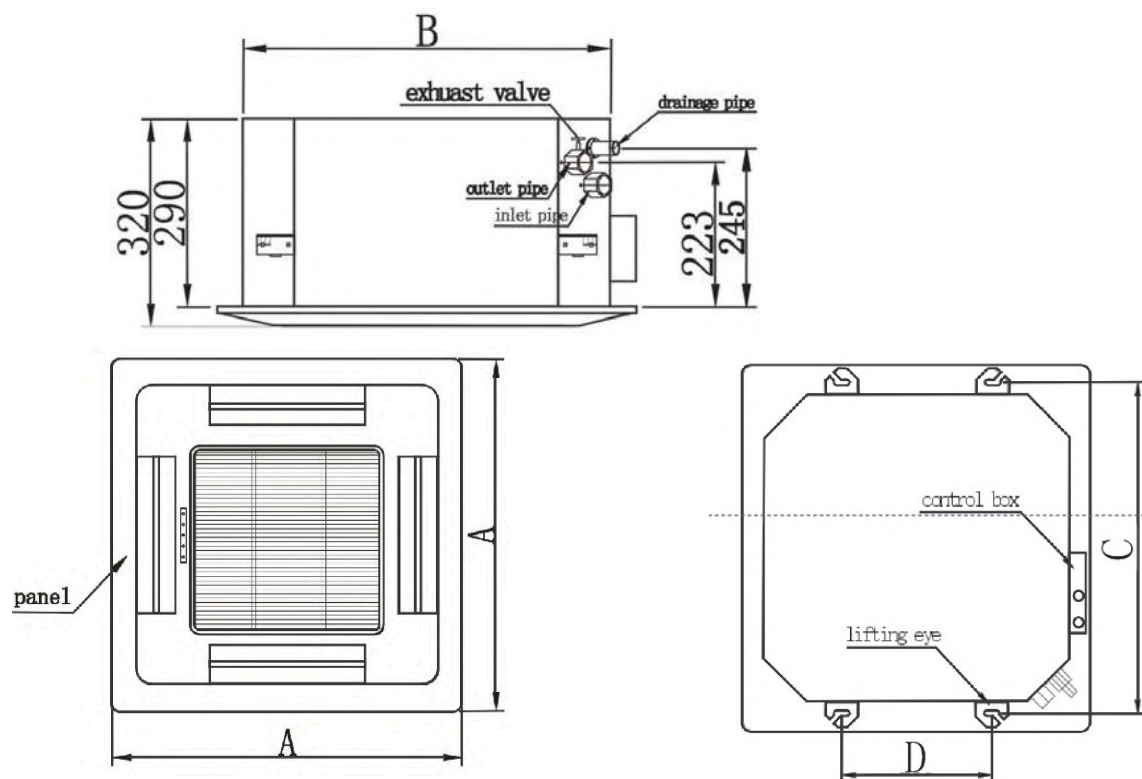
Heat Exchanger: 3/8" (9.52mm) diameter refrigeration-quality copper tubes. 3/4" male connection. Aluminum fins are mechanically crimped. Mounted on slides and interchangeable on site. 100% coil leakage tested at 350PSI.

Duct Connections: Fresh air and branch air duct connection access can be stamped as optional requirements.

Dimensional List

Drawings

Model	A	B	C	D
KA-4WC 03	680	580	614	424
KA-4WC 04	680	580	614	424
KA-4WC 05	830	705	737	338
KA-4WC 06	830	705	737	338
KA-4WC 08	830	705	737	338
KA-4WC 10	980	832	864	416
KA-4WC 12	980	832	864	416
KA-4WC 14	980	832	864	416
KA-4WC 17	1140	960	992	488



Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Noise dB(A)	Net Weight (kg)
KA-4WC 03	46	27	25
KA-4WC 04	47	29	26
KA-4WC 05	73	34	28
KA-4WC 06	97	35	29
KA-4WC 08	132	37	30
KA-4WC 10	186	39	37
KA-4WC 12	205	46	38
KA-4WC 14	245	47	59
KA-4WC 17	285	38	36

Performance Data

Water Flow (l/s)

Model	KA-4WC 03	KA-4WC 04	KA-4WC 05	KA-4WC 06	KA-4WC 08	KA-4WC 10	KA-4WC 12	KA-4WC 14	KA-4WC 17
H	0.17	0.19	0.26	0.32	0.38	0.48	0.54	0.63	0.77
M	0.16	0.16	0.22	0.28	0.3	0.45	0.48	0.51	0.6
L	0.11	0.11	0.2	0.23	0.23	0.4	0.42	0.46	0.5

Water Pressure Drop (kPa)

Model	KA-4WC 03	KA-4WC 04	KA-4WC 05	KA-4WC 06	KA-4WC 08	KA-4WC 10	KA-4WC 12	KA-4WC 14	KA-4WC 17
H	33.89	14.03	15.16	20.58	25.94	29.17	34.22	42.02	63.85
M	29.57	11.35	12.29	17.27	18.91	26.23	28.62	31.69	44.59
L	17.33	6.5	10.34	12.71	12.82	22.1	23.5	26.92	34.84

Performance Data

Air Flow (m³/h)

Model	KA-4WC 03	KA-4WC 04	KA-4WC 05	KA-4WC 06	KA-4WC 08	KA-4WC 10	KA-4WC 12	KA-4WC 14	KA-4WC 17
Nominal	510	680	850	1020	1360	1700	2040	2380	2890
H	544	622	865	1134	1392	1719	1981	2382	2892
M	483	517	721	971	1052	1566	1692	1851	2101
L	308	320	621	743	748	1346	1421	1601	1692

Cooling (kW)

Model		KA-4WC 03	KA-4WC 04	KA-4WC 05	KA-4WC 06	KA-4WC 08	KA-4WC 10	KA-4WC 12	KA-4WC 14	KA-4WC 17
Total	H	3.66	3.91	5.42	6.75	7.96	10.15	11.37	13.17	16.11
	M	3.32	3.36	4.67	5.95	6.35	9.41	10.02	10.77	12.47
	L	2.27	2.26	4.13	4.79	4.81	8.33	8.7	9.59	10.46
Sensible	H	2.44	2.66	3.69	4.63	5.5	6.96	7.83	9.11	11.08
	M	2.21	2.28	3.16	4.07	4.35	6.43	6.86	7.4	8.5
	L	1.49	1.51	2.79	3.25	3.26	5.67	5.93	6.56	7.09

KA-2WC

Two-way Ceiling Cassette Fan coil unit



AC/DC Motor
Software

Overview & Specifications

The KA-2WC ceiling cassette fan-coil unit is to have a low profile of 235mm.

Airflow Range: 680 to 1360 m³/h.

Cooling Capacity: 3.6 kW to 7.2 kW.

Versions Available: 4 models available ranging from 400-800 CFM (2-pipe configurations).

Key Advantages: Flat ABS panel with step motor control air outlet. Optional network control with DIP switch. AC/DC motor available.

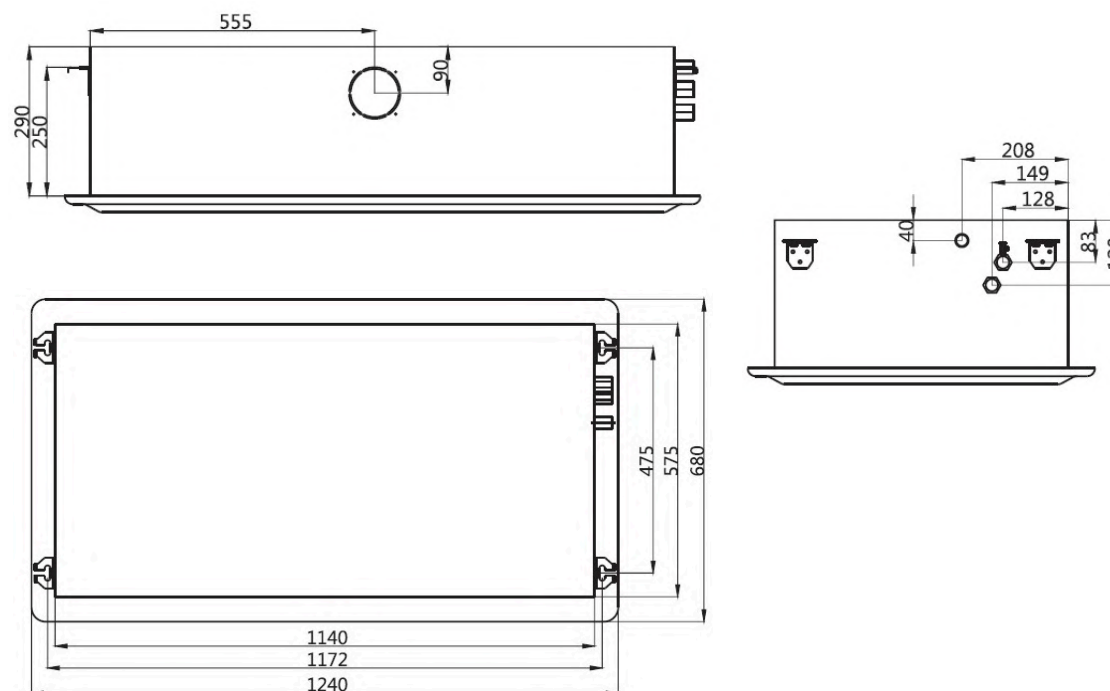
Construction & Components

- **Structure:** ABS plastic front panel with elegant design. Metal parts utilize standard Q235 galvanized steel sheet with reinforcement hanger for ceiling mounted installation. IR Remote control is equipped as a standard requirement.
- **Drain Pump:** High performance floating switch drain pump is equipped as a standard part.
- **Fan:** Centrifugal backward steel wheel DIDW fan (with ABS impeller) designed for high efficiency and low noise level.
- **Motor:** Built-in single-phase AC motor with thermal protection. DC Motor is available.
- **Heat Exchanger:** 3/8" (9.52mm) diameter refrigeration-quality copper tubes. 3/4" male connection. Aluminum fins are mechanically crimped. Mounted on slides and interchangeable on site. 100% coil leakage tested at 350PSI.
- **Duct Connections:** Fresh air and branch air duct connection access can be pre-stamped as optional requirements.

Dimensional List

Model	Panel Dimensions (mm)
KA-2WC 04	1240 x 680 x 30
KA-2WC 05	1240 x 680 x 30
KA-2WC 06	1240 x 680 x 30
KA-2WC 08	1240 x 680 x 30

Drawings



Conditions Reference:

- A. Entering air temperature:** +27°C DB; 19.0°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.
- B. District Cooling Rating:** Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.
- C. Entering air temperature:** +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Current (A)	Noise dB(A)	Net Weight (kg)
KA-2WC 04	64	0.29	42	32
KA-2WC 05	100	0.45	43	34
KA-2WC 06	110	0.5	45	36
KA-2WC 08	130	0.59	46	38

Performance Data

Water Flow (l/s)

Model	KA-2WC 04	KA-2WC 05	KA-2WC 06	KA-2WC 08
H	0.18	0.22	0.24	0.34
M	0.15	0.19	0.2	0.29
L	0.11	0.15	0.17	0.25

Water Pressure Drop (kPa)

Model	KA-2WC 04	KA-2WC 05	KA-2WC 06	KA-2WC 08
H	3.72	4.95	9.5	11.78
M	3.02	4.16	7.68	9.83
L	1.88	3.4	5.92	7.59

Performance Data

Air Flow (m³/h)

Model	KA-2WC 04	KA-2WC 05	KA-2WC 06	KA-2WC 08
Nominal	680	850	1020	1360
H	678	865	1035	1380
M	526	650	780	1060
L	412	490	620	818

Cooling (kW)

Model		KA-2WC 04	KA-2WC 05	KA-2WC 06	KA-2WC 08
Total	H	3.63	4.52	5.42	7.12
	M	2.87	3.4	4.18	5.56
	L	2.23	2.68	3.23	4.15
Sensible	H	2.6	3.23	3.86	4.98
	M	2.23	2.68	3.12	4.23
	L	1.93	2.25	2.65	3.48

KA-1WC

One-way Ceiling Cassette Fan coil unit



AC/DC Motor
Software

Overview & Specifications

The KA-1WC ceiling cassette fan-coil unit is to have a low profile of 235mm.

Airflow Range: 340 to 1020 m³/h.

Cooling Capacity: 1.9 kW to 5.4 kW.

Versions Available: 5 versions available ranging from 200-600 CFM (2-pipe).

Key Advantages: Flat ABS panel with step motor control air outlet. Optional network control with DIP switch. AC/DC motor available.

Construction & Components

Structure: ABS plastic front panel with elegant design. Metal parts utilize standard Q235 galvanized steel sheet with reinforcement hanger for ceiling mounted installation. IR Remote control is equipped as a standard requirement.

Drain Pump: High performance floating switch drain pump is equipped as a standard part.

Fan: Centrifugal backward steel wheel DIDW fan (with ABS impeller) designed for high efficiency and low noise level.

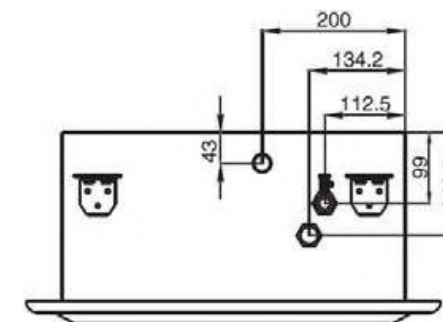
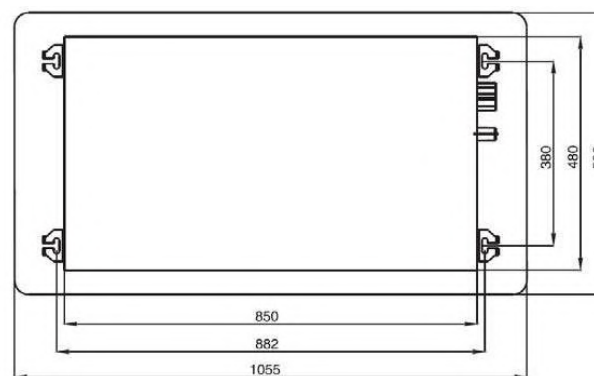
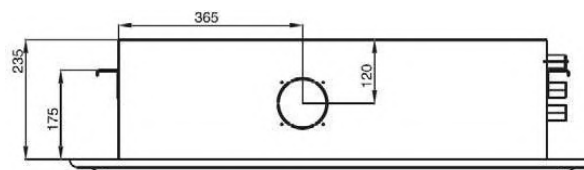
Motor: Built-in single-phase AC motor with thermal protection (EC motor Optional). DC Motor is available.

Heat Exchanger: 3/8" (9.52mm) diameter refrigeration-quality copper tubes. 3/4" male connection. Aluminum fins are mechanically crimped. Mounted on slides and interchangeable on site. 100% coil leakage tested at 350PSI.

Duct Connections: Fresh air and branch air duct connection access can be pre-stamped as optional requirements.

Dimensional List

Model	Panel Dimensions (mm)
KA-1WC 02	1055 x 580 x 30
KA-1WC 03	1055 x 580 x 30
KA-1WC 04	1055 x 580 x 30
KA-1WC 05	1055 x 580 x 30
KA-1WC 06	1055 x 580 x 30



Drawings

Conditions Reference:

- A. Entering air temperature:** +27°C DB; 19.0°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.
- B. District Cooling Rating:** Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.
- C. Entering air temperature:** +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Current (A)	Noise dB(A)	Net Weight (kg)
KA-1WC 02	46	0.2	39	20
KA-1WC 03	54	0.24	39	22
KA-1WC 04	62	0.28	40	24
KA-1WC 05	100	0.46	43	25
KA-1WC 06	110	0.51	45	28

Performance Data

Water Flow (l/s)

Model	KA-1WC 02	KA-1WC 03	KA-1WC 04	KA-1WC 05	KA-1WC 06
H	0.09	0.14	0.17	0.22	0.26
M	0.07	0.11	0.15	0.19	0.22
L	0.05	0.09	0.12	0.16	0.18

Water Pressure Drop (kPa)

Model	KA-1WC 02	KA-1WC 03	KA-1WC 04	KA-1WC 05	KA-1WC 06
H	2.72	3.95	8.73	10.73	11.86
M	2.19	3.16	6.78	8.37	9.78
L	1.55	2.42	5.25	6.53	7.52

Performance Data

Air Flow (m³/h)

Model	KA-1WC 02	KA-1WC 03	KA-1WC 04	KA-1WC 05	KA-1WC 06
Nominal	340	510	680	850	1020
H	336	544	678	865	1134
M	272	483	536	721	971
L	190	308	342	621	743

Cooling (kW)

Model		KA-1WC 02	KA-1WC 03	KA-1WC 04	KA-1WC 05	KA-1WC 06
Total	H	1.92	2.75	3.62	4.52	5.45
	M	1.56	2.28	2.88	3.42	4.12
	L	1.08	1.62	2.25	2.68	3.23
Sensible	H	1.32	1.93	2.53	3.2	3.83
	M	1.16	1.58	2.12	2.56	2.82
	L	0.82	1.12	1.78	2.03	2.47

KA-RC

Round Ceiling Cassette Fan coil unit



AC/DC Motor
Software

Overview & Specifications

The KA-RC 360° round ceiling cassette fan-coil unit is to have a low profile of 255 and 290 mm.

Airflow Range: 850 to 2380 m³/h.

Cooling Capacity: 4.5 kW to 12.6 kW.

Versions Available: 360° Round 2 pipes + 2 rows; 360° Round 4 pipes + 2 rows.

Key Advantages: 360° air discharge. U-shape coil for an efficient exchange area. Optional network control with DIP switch. AC/DC motor available.

Construction & Components

Structure: ABS plastic front panel (1100mm diameter) with elegant design. Metal parts utilize standard Q235 galvanized steel sheet with reinforcement hanger for ceiling mounted installation. IR Remote control is equipped as a standard requirement.

Drain Pump: High performance floating switch drain pump is equipped as a standard part.

Fan: ABS fan impeller of centrifugal fans. Designed for high efficiency and low noise level.

Motor: Built-in single-phase AC motor with thermal protection. DC Motor is available.

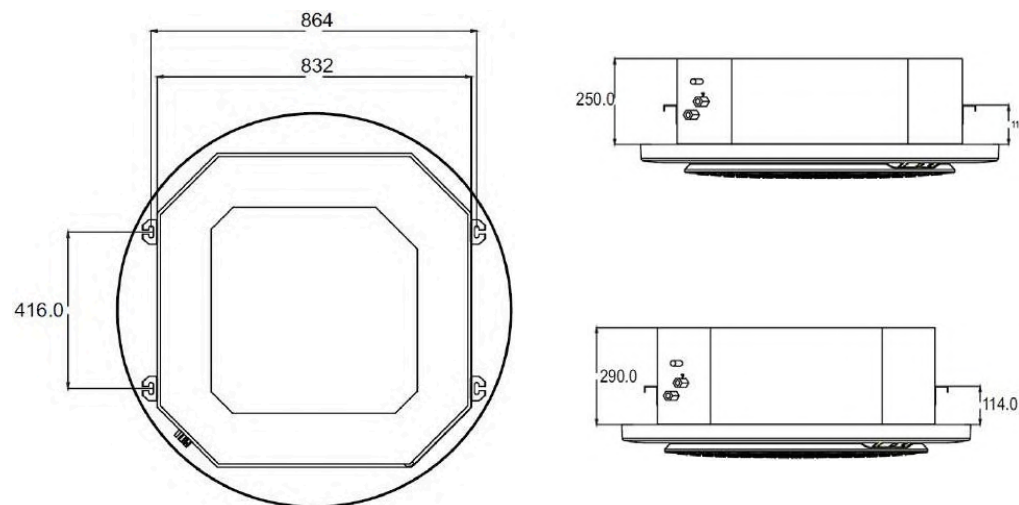
Heat Exchanger: 3/8" (9.52mm) diameter refrigeration-quality copper tubes. 3/4" male connection. Aluminum fins are mechanically crimped. Mounted on slides and interchangeable on site. 100% coil leakage tested at 350PSI.

Duct Connections: Fresh air and branch air duct connection access can be stamped as optional requirements.

Dimensional List

Drawings

Model	Panel Diameter (mm)	Unit Height (mm)	Hanger Length (mm)	Hanger Width (mm)
KA-RC 05	1100	250	864	416
KA-RC 06	1100	250	864	416
KA-RC 08	1100	250	864	416
KA-RC 10	1100	290	864	416
KA-RC 12	1100	290	864	416
KA-RC 14	1100	290	864	416



Conditions Reference:

A. Entering air temperature: +27°C DB; 19.5°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Noise dB(A)	Net Weight (kg)
KA-RC 05	76	43	25
KA-RC 06	96	45	26
KA-RC 08	132	46	28
KA-RC 10	152	47	29
KA-RC 12	189	50	30
KA-RC 14	220	52	-

Performance Data

Water Flow (l/s)

Model	KA-RC 05	KA-RC 06	KA-RC 08	KA-RC 10	KA-RC 12	KA-RC 14
H	0.26	0.32	0.38	0.48	0.54	0.63
M	0.22	0.28	0.3	0.45	0.48	0.51
L	0.2	0.23	0.23	0.4	0.42	0.46

Water Pressure Drop (kPa)

Model	KA-RC 05	KA-RC 06	KA-RC 08	KA-RC 10	KA-RC 12	KA-RC 14
H	15.16	20.58	25.94	29.17	34.22	42.02
M	12.29	17.27	18.91	26.23	28.62	31.69
L	10.34	12.71	12.82	22.1	23.5	26.92

Performance Data

Air Flow (m³/h)

Model	KA-RC 05	KA-RC 06	KA-RC 08	KA-RC 10	KA-RC 12	KA-RC 14
Nominal	850	1020	1360	1700	2040	2380
H	865	1134	1392	1719	2040	2382
M	640	790	1030	1290	1500	1850
L	430	520	690	860	1030	1200

Cooling (kW)

Model		KA-RC 05	KA-RC 06	KA-RC 08	KA-RC 10	KA-RC 12	KA-RC 14
Total	H	4.52	5.63	7	9.12	10.82	12.58
	M	3.53	4.39	5.46	7.11	8.44	9.81
	L	2.82	3.51	4.37	5.69	6.75	7.85
Sensible	H	3.62	4.5	5.6	7.3	8.66	10.06
	M	2.82	3.51	4.37	5.69	6.75	7.85
	L	2.26	2.81	3.49	4.55	5.4	6.28

KA-WM

Wall Mounted Fan coil unit



AC/DC Motor
Software

Overview & Specifications

The KA-WM wall-mounted fan-coil unit is to have a low profile of 250mm.

Airflow Range: 340 to 1360 m³/h.

Cooling Capacity: 1.98 kW to 7.05 kW.

Versions Available: 2 tubes + 2 rows (standard).

Key Advantages: Elegant cabinet and screen design. Remote controller is equipped as standard. Optional network control with DIP switch. AC/DC motor available.

Construction & Components

Structure: ABS plastic casing with elegant design. Metal parts utilize standard Q235 galvanized steel sheet. A back-installation G.I. panel is provided for easy production site installation.

Fan: Cross flow ABS plastic wheel DIDW fan. Designed for high efficiency and low noise level.

Motor: Built-in single-phase AC motor with thermal protection. DC Motor is available.

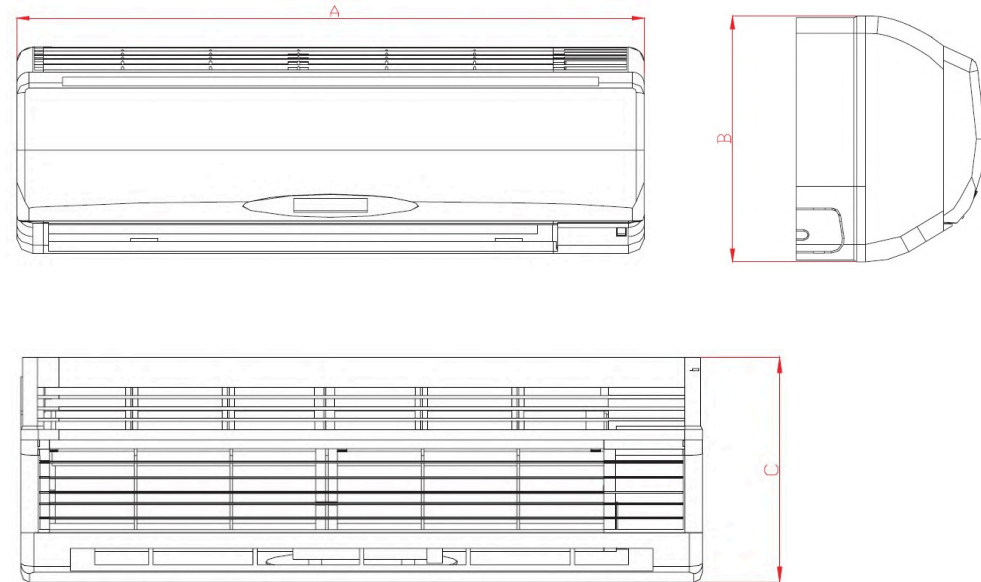
Heat Exchanger: 7mm diameter refrigeration-quality copper tubes. 3/4" female connection. Aluminum fins (14pcs/inch corrugated blue fin) are mechanically crimped. Mounted on slides and interchangeable on site. 100% coil leakage tested at 350PSI.

Swing Grill: Equipped with stepping motor control connected to the main PCB board for low noise operation.

Dimensional List

Drawings

Model	A (mm)	B (mm)	C (mm)
KA-WM 02	850	290	185
KA-WM 03	850	290	185
KA-WM 04	850	290	185
KA-WM 05	1030	320	220
KA-WM 06	1030	320	220
KA-WM 08	1080	350	240



Conditions Reference:

A. Entering air temperature: +27°C DB; 19.0°C WB; Water Inlet/Outlet: +7/12°C; Standard Reference: EUROVENT.

B. District Cooling Rating: Entering air temperature: +24.4°C DB; 17.2°C WB; Water Inlet/Outlet: +5.5/14.4°C.

C. Entering air temperature: +80°F DB; +67°F WB; Water Inlet/Outlet: +45/55°F; Standard Reference: ARI-440:2008.

General Features

Power, Noise and Weight

Model	Power Input (W)	Voltage	Noise dB(A)	Net Weight (kg)
KA-WM 02	26	220-240V/1Ph /50-60Hz	34	10
KA-WM 03	40	220-240V/1Ph /50-60Hz	37	9
KA-WM 04	42	220-240V/1Ph /50-60Hz	40	12
KA-WM 05	63	220-240V/1Ph /50-60Hz	43	14
KA-WM 06	75	220-240V/1Ph /50-60Hz	44	16
KA-WM 08	90	220-240V/1Ph /50-60Hz	45	20

Performance Data

Water Flow (l/s)

Model	KA-WM 02	KA-WM 03	KA-WM 04	KA-WM 05	KA-WM 06	KA-WM 08
H	0.09	0.12	0.17	0.22	0.25	0.34
M	0.08	0.11	0.14	0.18	0.2	0.26
L	0.06	0.09	0.11	0.13	0.15	0.22

Water Pressure Drop (kPa)

Model	KA-WM 02	KA-WM 03	KA-WM 04	KA-WM 05	KA-WM 06	KA-WM 08
H	0.09	0.13	0.15	0.18	0.22	0.31
M	0.09	0.11	0.13	0.16	0.2	0.22
L	0.07	0.1	0.1	0.13	0.16	0.21

Performance Data

Air Flow (m³/h)

Model	KA-WM 02	KA-WM 03	KA-WM 04	KA-WM 05	KA-WM 06	KA-WM 08
Nominal	340	510	680	850	1020	1360
H	345	519	668	826	1017	1340
M	297	447	543	694	902	1100
L	251	384	385	494	640	750

Cooling (kW)

Model		KA-WM 02	KA-WM 03	KA-WM 04	KA-WM 05	KA-WM 06	KA-WM 08
Total	H	1.98	2.77	3.13	3.79	4.73	7.05
	M	1.8	2.27	2.64	3.45	4.22	5.63
	L	1.42	2.1	2	2.62	3.42	4.53
Sensible	H	1.43	1.99	2.52	3.17	3.67	4.63
	M	1.25	1.7	1.96	2.64	2.67	4.1
	L	0.95	1.42	1.56	1.77	1.88	2.98

KLIMARC Common System Accessories

Thermostat: Multiple mechanical and digital options are available for system control across most models, excluding the Wall Mounted unit.



Control Valve (All Models): Available in mechanical or thermal types, with frequently used sizes including DN15 (1/2"), DN20 (3/4"), and DN25 (1"). Valve kits can be factory-assembled to streamline on-site installation.



Electrical Heater (KA-LSD, KA-HSD, KA-U): Available as an option for projects requiring high heating capacity, ranging from 1.0 kW to 6 kW. All heaters include safety-approved thermal protection and are wired directly into the unit's terminal box.



Auxiliary Drain Tray: Constructed from powder-coated G.I. material, these are primarily designed to capture condensate water from the valve kit assembly.



- **Ceiling Cassette Features (KA-4WC, KA-2WC, KA-1WC, KA-RC):**
- **Drain Pump Maintenance:** Features an easily accessible design where the panel can simply be drawn out to check pump conditions.

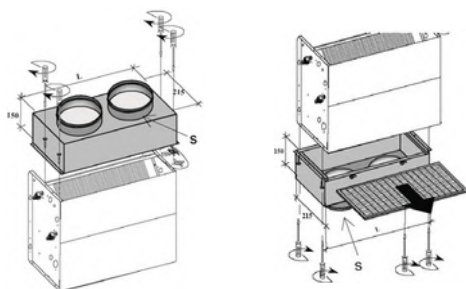


- **Duct Access:** Fresh air and branch air duct access can be pre-stamped on the units as an option.

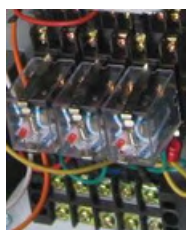


KLIMARC Model-Specific Accessories

KA-LSD (Low Static Pressure): Can be equipped with insulated inlet and outlet air plenums featuring circular connectors.



KA-HSD (High Static Pressure): Offers a control relay added to the terminal box to protect standard thermostats, as the large capacity of these units may exceed limited thermostat currents.



KA-U (Universal): Can feature ABS plastic feet for easy floor-standing installation. Its auxiliary drain tray utilizes Q235 G.I. material and accommodates both horizontal and vertical setups.



KA-WM (Wall Mounted):

- Equipped with a Remote Controller as a standard component.

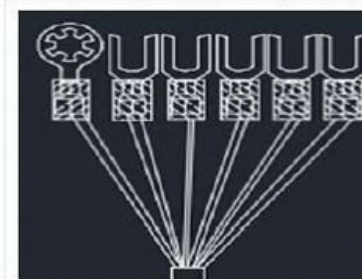


- Supports an optional mini condensate pump capable of a maximum water flow of 12L/h.



- Control valves have the flexibility to be installed either inside or outside the fan coil unit.
- Offers an optional cord cable control accompanied by a detailed wiring diagram.

PE	N	L	H	M	Low
Green	Blue	Live	Yellow	White	Black





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