

outdoor unit

- Easy Installation and Simple Maintenance
- All hydraulic components in the outdoor unit, i.e. a circulating pump, a membrane vessel, a safety and vent valve, a flow sensor, a pressure gauge and a flow heater, are fitted as standard.
- The refrigerant system is fully integrated in the outdoor unit, which means that no additional freon pipes are required.
- Compact design, easy to transport and install.



technical specification

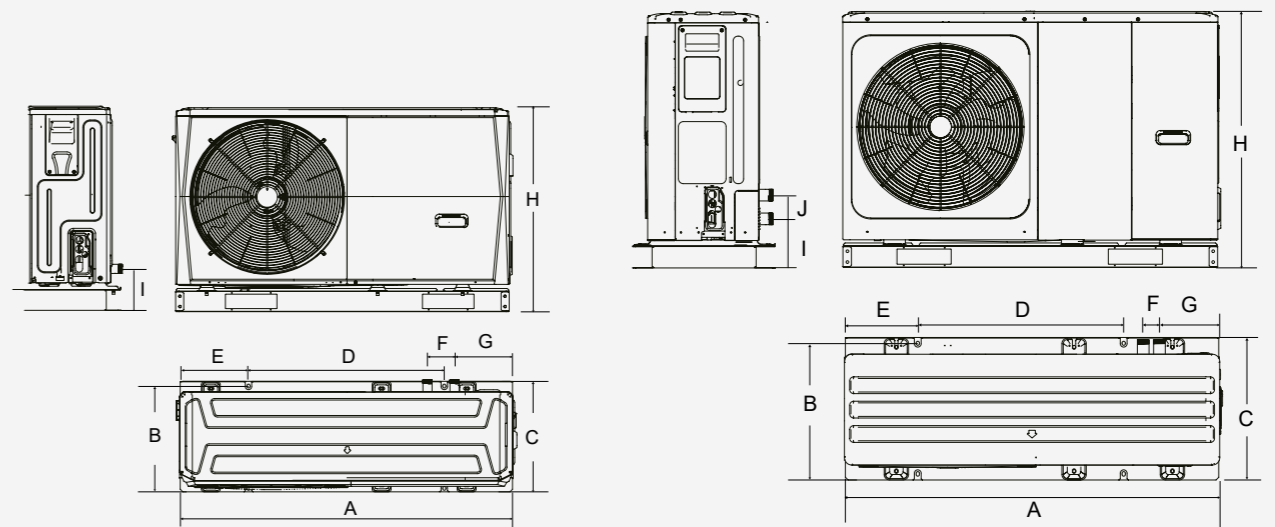
Model	unit	KHC-06RY1	KHC-08RY1	KHC-10RY1	KHC-12RY3	KHC-14RY3	KHC-16RY3	KHC-22RX3	KHC-30RX3
Heating A7W35 ΔT=5, R.H. 85%	nom. heating capacity (range)	kW 6.35 (2.73÷7.41)	8.40 (3.36÷9.11)	10.00 (3.81÷10.3)	12.10 (5.58÷14.6)	14.50 (5.92÷15.50)	15.90 (6.43÷16.80)	22.00 (9.92÷24.93)	30.1 (13.85÷31.75)
	electric energy consumption (range)	kW 1.28 (0.53÷1.56)	1.63 (0.61÷1.80)	2.02 (0.71÷2.09)	2.44 (1.04÷3.11)	3.15 (1.12÷3.37)	3.53 (1.27÷3.79)	5.00 (1.90÷6.47)	7.7 (2.93÷9.51)
	COP (range)	W/W 4.95 (5.32÷4.76)	5.15 (5.54÷5.07)	4.95 (5.39÷4.93)	4.95 (5.38÷4.69)	4.60 (5.27÷4.59)	4.50 (5.08÷4.43)	4.40 (5.33÷3.85)	3.91 (4.73÷3.34)
Heating A2W35 ΔT=5, R.H. 85%	nom. heating capacity	kW 5.50	7.10	8.20	9.20	11.00	13.00	22.00	26.00
	electric power consumption	kW 1.41	1.73	2.05	2.36	3.06	3.77	7.09	9.38
	COP	W/W 3.90	4.10	4.00	3.90	3.60	3.45	3.10	2.80
Heating A-7W35 ΔT=5, R.H. 85%	nom. heating capacity (range)	kW 6.00 (1.48÷6.21)	7.00 (1.82÷7.27)	8.00 (2.05÷8.31)	10.00 (3.97÷11.00)	12.00 (4.57÷12.70)	13.10 (4.99÷13.90)	21.00 (8.10÷23.73)	23.00 (10.35÷24.89)
	electric energy consumption (range)	kW 2.00 (0.48÷2.17)	2.19 (0.53÷2.26)	2.62 (0.61÷2.61)	3.33 (1.26÷3.89)	4.21 (1.48÷4.55)	4.85 (1.68÷5.19)	8.07 (2.91÷9.25)	9.38 (3.66÷9.93)
	COP (range)	W/W 3.00 (3.06÷2.86)	3.26 (3.44÷3.21)	3.05 (3.37÷3.11)	3.00 (3.14÷2.83)	2.85 (3.10÷2.79)	2.70 (2.97÷2.67)	2.60 (2.75÷2.56)	2.45 (2.83÷2.51)
Cooling A35W18 ΔT=5	nom. cooling capacity	kW 6.50	8.30	9.90	12.00	13.50	14.90	23.00	31.00
	electric power consumption	kW 1.35	1.64	2.18	3.04	3.75	4.38	5.00	7.75
	EER	W/W 4.80	5.05	4.55	3.95	3.60	3.40	4.60	4.00
Cooling A35W7 ΔT=5	nom. cooling capacity	kW 7.00	7.45	8.20	11.50	12.40	14.00	21.00	29.50
	electric power consumption	kW 2.33	2.22	2.52	4.18	4.96	5.60	7.12	11.57
	EER	W/W 3.00	3.35	3.25	2.75	2.50	2.50	2.95	2.55
Seasonal energy efficiency rating for room heating	OWT at 35°C class (temperate climate zone)	class A+++	A+++	A+++	A+++	A+++	A+++	A+++	A++
	OWT at 55°C class (temperate climate zone)	class A++	A++	A++	A++	A++	A++	A++	A+
SCOP	OWT at 35°C	W/W 4.95	5.22	5.2	4.81	4.72	4.62	4.53	4.19
	OWT at 55°C	W/W 3.52	3.37	3.47	3.45	3.47	3.41	3.22	3.14
Power supply	voltage / number of phases / frequency	V/Ph/Hz 220÷240/1/50	220÷240/1/50	220÷240/1/50	380÷415/3/50	380÷415/3/50	380÷415/3/50	380÷415/3/50	380÷415/3/50
	Maximum working current (MCA)	A 27	29	30	23	24	25	24.5	28.5
Auxiliary electric heater	electric power	kW 3	3	3	3+3+3	3+3+3	3+3+3	none	none
	capacity levels	1	1	1	3	3	3	none	none
Sound level	Sound power level	dB(A) 58	59	60	65	65	68	73	77
	Acoustic pressure (1 m)	dB(A) 45	46	49	50	51	55	59	63
Outdoor air temperature range	cooling	°C -5÷43	-5÷43	-5÷43	-5÷43	-5÷43	-5÷43	-5÷46	-5÷46
	heating	°C -25÷35	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35
	DHW	°C -25÷43	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43
Outlet water temperature range	cooling	°C 5÷25	5÷25	5÷25	5÷25	5÷25	5÷25	5÷25	5÷25
	heating	°C 25÷65	25÷65	25÷65	25÷65	25÷65	25÷65	25÷60	25÷60
	DHW	°C 30÷60	30÷60	30÷60	30÷60	30÷60	30÷60	40÷60	40÷60
Water connection	diameter(external thread)	inch 1	5/4	5/4	5/4	5/4	5/4	5/4	5/4
Refrigerant	symbol (GWP) / amount of refrigerant	--- / kg R32(675) / 1.4	R32(675) / 1.4	R32(675) / 1.4	R32(675) / 1.75	R32(675) / 1.75	R32(675) / 1.75	R32(675) / 5.0	R32(675) / 5.0
	of the unit (W / H / L)	mm 1295 × 792 × 429	1385 × 945 × 526	1385 × 945 × 526	1385 × 945 × 526	1385 × 945 × 526	1385 × 945 × 526	1129 × 1558 × 440	1129 × 1558 × 440
Dimensions	of the packaging (W / H / L)	mm 1375 × 965 × 475	1465 × 1120 × 560	1465 × 1120 × 560	1465 × 1120 × 560	1465 × 1120 × 560	1465 × 1120 × 560	1220 × 1735 × 565	1220 × 1735 × 565
	Weight	kg 98 / 121	121 / 148	121 / 148	160 / 188	160 / 188	160 / 188	177 / 206	177 / 206
Cost of the unit	EUR	5875	6050	6400	8750	9150	9350	11300	12250

*The technical data above is compliant with the guidelines specified in the following standards: EN14511; EN14825; EN50564; EN12102; (EU) No. 811:2013; (EU) No. 813:2013; OJ 2014/C 207/02:2014.

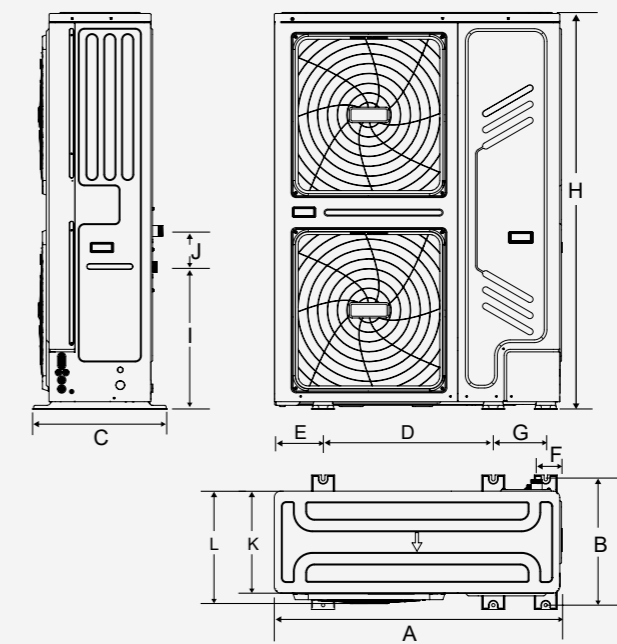
*The SCOP seasonal heating efficiency was determined for temperate climate conditions.

*The sound power level in the heating mode was determined in accordance with EN 12102, under the conditions consistent with EN 14825;

dimensions



MODEL	A	B	C	D	E	F	G	H	I	J
KHC-06RY1	1295	397	429	760	265	105	225	792	161	/
KHC-08/10/12/14/16RY1	1385	482	526	760	270	60	221	945	182	81



MODEL	A	B	C	D	E	F	G	H	I	J	K	L
KHC-22/30RX3	1129	494	528	668	192	98	206	1558	558	143	400	440