

KHA-06 | 08 | 10RY1-B, KHA-12 | 14 | 16RY3-B

TECHNICAL SPECIFICATION

Model			KHA-06RY1-B	KHA-08RY1-B	KHA-10RY1-B	KHA-12RY3-B	KHA-14RY3-B	KHA-16RY3-B
Heating A7W35 ΔT=5, R.H. 85%	nominal heat capacity (range)	kW	6,20 (2,73÷7,41)	8,30 (3,36÷9,11)	10,00 (3,81÷10,30)	12,10 (5,58÷14,60)	14,50 (5,92÷15,50)	16,00 (6,43÷16,80)
	electric energy consumption (range)	kW	1,24 (0,53÷1,56)	1,60 (0,61÷1,80)	2,00 (0,71÷2,09)	2,44 (1,04÷3,11)	3,09 (1,12÷3,37)	3,56 (1,27÷3,79)
	COP (range)	W/W	5,00 (5,32÷4,76)	5,20 (5,54÷5,07)	5,00 (5,39÷4,93)	4,95 (5,38÷4,69)	4,70 (5,27÷4,59)	4,50 (5,08÷4,43)
Heating A2W35 ΔT=5, R.H. 85%	nominal heat capacity	kW	5,50	7,10	8,20	9,30	11,40	13,00
	electric power consumption	kW	1,39	1,73	2,02	2,35	3,12	3,71
	COP	W/W	3,95	4,10	4,05	3,95	3,65	3,50
Heating A-7W35 ΔT=5, R.H. 85%	nominal heat capacity (range)	kW	6,10(1,48÷6,21)	7,10(1,82÷7,27)	8,25(2,05÷8,31)	10,00(3,97÷11,00)	12,00(4,57÷12,70)	13,30(4,99÷13,90)
	electric energy consumption (range)	kW	2,00 (0,48÷2,17)	2,18 (0,53÷2,26)	2,62 (0,61÷2,61)	3,33 (1,26÷3,89)	4,29 (1,48÷4,55)	4,93 (1,68÷5,19)
	COP (range)	W/W	3,05(3,06÷2,86)	3,25(3,44÷3,21)	3,15(3,37÷3,11)	3,00(3,14÷2,83)	2,80(3,10÷2,79)	2,70(2,97÷2,67)
Cooling A35W18 ΔT=5	nominal cooling capacity	kW	6,55	8,40	10,00	12,00	13,50	14,90
	electric power consumption	kW	1,34	1,66	2,08	3,00	3,75	4,38
	EER	W/W	4,90	5,05	4,80	4,00	3,60	3,40
Cooling A35W7 ΔT=5	nominal cooling capacity	kW	7,00	7,40	8,20	11,60	12,70	14,00
	electric power consumption	kW	2,33	2,19	2,48	4,22	4,98	5,71
	EER	W/W	3,00	3,38	3,30	2,75	2,55	2,45
Seasonal energy efficiency rating for room heating	LWT at 35°C (temperate climate zone)	klasa	A+++	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C (temperate climate zone)	klasa	A++	A++	A++	A++	A++	A++
SCOP	LWT at 35°C		4,95	5,21	5,19	4,81	4,72	4,62
	LWT at 55°C		3,52	3,36	3,49	3,45	3,47	3,41
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
	maximum operating current (MCA)	A	14	16	17	10	11	12
Sound level	sound power level (acc. to EN 12102)	dB	58	59	60	64	65	68
	acoustic pressure (1m)	dB	45	46	49	50	51	55
Outside air temperature range	cooling	°C	-5÷43	-5÷43	-5÷43	-5÷43	-5÷43	-5÷43
	heating	°C	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35	-25÷35
	CWU	°C	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43	-25÷43
Compressor type	twin rotary	DC	DC	DC	DC	DC	DC	
Cooling system	liquid / gas line diameters	mm	6,35 / 15,88	9,52 / 15,88	9,52 / 15,88	9,52 / 15,88	9,52 / 15,88	9,52 / 15,88
		cal	1/4 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
	permissible system length / permissible height difference	m	2÷30 / 20	2÷30 / 20	2÷30 / 20	2÷30 / 20	2÷30 / 20	2÷30 / 20
	connection method		socket	socket	socket	socket	socket	socket
Additional refrigerant	charge	g/m	20	38	38	38	38	38
	length without charge	m	<15	<15	<15	<15	<15	<15
Refrigerant	symbol (GWP) / refrigerant amount	kg	R32 (675) / 1,5	R32 (675) / 1,65	R32 (675) / 1,65	R32 (675) / 1,84	R32 (675) / 1,84	R32 (675) / 1,84
	of the unit (W×H×L)	mm	1008×712×426			1118×865×523		
Dimensions	of the packaging (W×H×L)	mm	1065×800×485			1180×890×560		
Weight	net / in packaging		58 / 64	75 / 89	75 / 89	112 / 125	112 / 125	112 / 125

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;