Neoheat EKO II

The heat pump is a split-type unit featuring a compact design and dedicated to
single-family homes. The Wi-Fi function facilitates its remote control. It can operate two heating circuits, for example, a floor heating system and radiator system. Precise temperature control separately for each circuit ensures maximum comfort. The heat pump is fully maintenance-free - using heating curves, it automatically adjusts its operation to current weather conditions to maintain the preset indoor temperature.

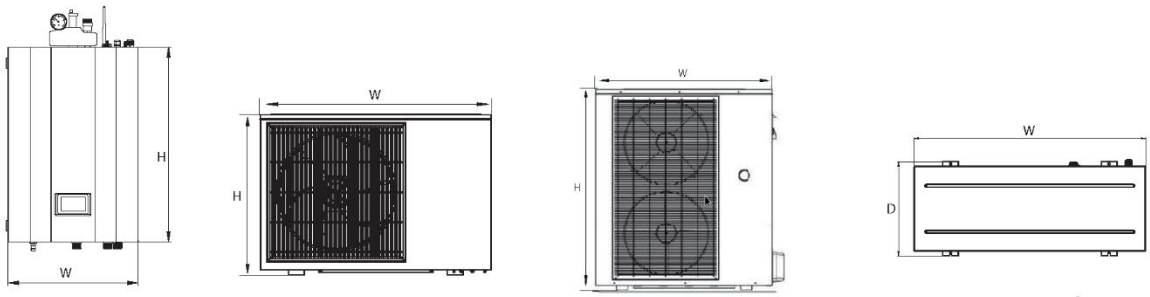
SPLIT EKO II

Wi-Fi/REMOTE MAINTENANCE ACCESS

TWO HEATING CIRCUITS

R32 REFRIGERANT

CLASS



Model			Neoheat EKO II				
			Neoheat EKO II 6	Neoheat EKO II 9	Neoheat EKO II 12	Neoheat EKO II 15	Neoheat EKO II 19
Indoor unit dimensions (H x W x D)	net/gross	mm	751 x 500 x 298/ 800 x 550 x 350	751 x 500 x 298/ 800 x 550 x 350	751 x 500 x 298/ 800 x 550 x 350	751 x 500 x 298/ 800 x 550 x 350	751 x 500 x 298/ 800 x 550 x 350
Outdoor unit dimensions (H x W x D)	net/gross		699 x 1008 x 371/ 750 x 1060 x 420	846 x 1165 x 371/ 900 x 1210 x 420	846 x 1165 x 371/ 900 x 1210 x 420	1447 x 1092 x 397/ 1500 x 1130 x 440	1447 x 1092 x 397/ 1500 x 1130 x 440

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Seasonal space heating energy efficiency rating, temperate climate	LWT = 35°C		A+++	A+++	A+++	A+++	A+++
	LWT = 55°C		A++	A++	A++	A++	A++
Rated heat output, temperate climate (-10°C)*	LWT = 35°C	kW	4	6	9	11	16
	LWT = 55°C		4	6	7	10	15
Seasonal energy efficiency, space heating,	LWT = 35°C	%	186.7	186	193.8	192.8	190
temperate climate	LWT = 55°C		133.2	130.4	135.1	130	130
Annual energy consumption, temperate climate	LWT = 35°C	kWh	1827	2864	3601	4574	6953
	LWT = 55°C		2809	3728	3956	5945	7750
Indoor sound power level		DB(A)	44	44	35	38	44
Outdoor sound power level		DB(A)	52	53	54	58	61
Special precautions			Before installing, see the installation and service manuals.				
Electrical efficiency			N/A				
Rated heat output, cold climate	LWT = 35°C	kW	3	5	7	10	15
	LWT = 55°C		3	5	6	10	14
Rated heat output, warm climate	LWT = 35°C	kW	6	8	10	13	18
	LWT = 55°C		6	7	8	13	16
Seasonal energy efficiency, space heating,	LWT = 35°C	%	155	153	156	160	156
cold climate	LWT = 55°C		117	105	110	115	110
Seasonal energy efficiency, space heating,	LWT = 35°C	%	189	192	194	196	194
warm climate	LWT = 55°C		147	143	142	143	140
Annual energy consumption, final energy amount,	LWT = 35°C	kWh	2071	3049	4020	7020	8825
cool climate	LWT = 55°C		3089	4100	4112	7910	9930
Annual energy consumption, final energy amount,	LWT = 35°C	kWh	1710	3149	3480	6243	8105
warm climate	LWT = 55°C		2550	3510	3660	6913	8590
Heat pump power supply		V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	220 - 240 / 1 / 50	380 - 420 / 3 / 50	380 - 420 / 3 / 50
Electric heater power supply		V	230	400	400	400	400
Heating (LWT = 35°C) (Outdoor temperature 2°C, 85% RH, EWT 30°C, LWT 35°C)	Air handling performance	kW	6.1	7.9	10.2	13.8	16.2
	COP	-	4	3.87	3.9	4.23	3.99
Heating (LWT = 35°C) (Outdoor temperature 7°C, 85% RH, EWT 47°C, LWT 55°C)	Air handling performance	kW	7.5	9.2	11.7	15.5	18.5
	COP	-	4.7	4.48	4.3	4.71	4.47
Cooling (LWT = 18°C) (Outdoor temperature 35°C, EWT 23°C, LWT 18°C)	Air handling performance	kW	7.4	9.5	12.2	18.6	19.4
	EER	-	4.1	4.31	3.9	3.7	3.05
Cooling (LWT = 7°C) (Outdoor 35°C, EWT 12°C, LWT 7°C)	Air handling performance	kW	4.3	7	8.5	13	15.80
	EER	-	2.5	2.99	2.7	3	2.89
Overcurrent protection rating		A	16	25	25	25	32
Power supply (no. of conductors x size)		mm^2	3 x 2.5 mm^2	3 x 2.5 mm^2	3 x 4 mm^2	5 x 4 mm^2	5 x 6 mm^2
Indoor unit weight	net/gross	kg	37 / 47	39 / 49	39 / 49	42 / 52	45 / 55
Outdoor unit weight		kg	62 / 75	73 / 83	80 / 91	120 / 133	130 / 141
Compressor	Type		Twin, rotary - 1				
Refrigerant connections (liquid/gas)			1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	3/8 / 3/4	3/8 / 3/4
Sensors			TC (circuit temp.), TW (DHW temp.), TV1 (1st circuit temp.), TV2 (2nd circuit temp.), TR (indoor temp.)				
Integrated electric heater		kW	3	6	6	6	6
Compressor manufacturer			Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi	Mitsubishi
Refrigerant	Type / amount of gas	kg	R32 / 1	R32 / 1.6	R32 / 1.8	R32 / 2.6	R32 / 3.0
Recommended operating range	Cooling		0 ~ 55	0 ~ 55	0 ~ 55	0 ~ 55	0 ~ 55
	Heating	°C	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43
	DHW		-25 ~ 55	-25 ~ 55	-25 ~ 55	-25 ~ 55	-25 ~ 55
Water-side heat exchanger	Type			Plate heat exchanger			
Water-side connection	Type	Inch	1	1	1	5/4	5/4
Water pump	Max. delivery head	m	7.5	7.5	7.5	7.5	7.5
Water outlet temperature range	Cooling		7 ~ 25	7 ~ 25	7 ~ 25	7 ~ 25	7 ~ 25
	Heating	°C	20 ~ 55	20 ~ 55	20 ~ 55	20 ~ 55	20 ~ 55
	DHW (tank)		25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55

* Heating power for outdoor temperature of -10°C