HEAT PUMP
NEOHEAT EKO Plus

NEOHEAT EKO HEAT PUMP

EKO
NEOHEAT EKO Plus 9 | NEOHEAT EKO Plus 11 | NEOHEAT EKO Plus 13
HEAT PUMP WITH HEATING DHW UP TO 55°C

HEAT PUMPS IDEAL AS
THE MAIN HEATING SOURCE
FOR SINGLE-FAMILY HOUSES

The Neoheat EKO Plus heat pump features an integrated 250-litre DHW (domestic hot water) storage tank.

USER-FRIENDLY CONTROL PANEL

- Touch screen
- Remote control via server, so you can check the operating history and change the heat pump settings
- Heating curve function: adjusts outlet water temperature based on ambient temperature
- Indoor temperature monitoring
- Automatically switch into heating or cooling mode
- Vacation Mode
- Displayed unit operation condition

BASIC EQUIPMENT

- Built-in circulating pump
- Built-in three-way valve for the distribution of DHW and CH
- Control of two heat circuits – e.g. underfloor heating and traditional radiators
- Touch control panel in Polish
- Vacation Mode option
- Wi-Fi control (optional)

SERIES			NEOHEAT EKO Plus		
TYPE			NEOHEAT EKO Plus 9	NEOHEAT EKO Plus 11	NEOHEAT EKO Plus 13
Power supply			220–240 V / 50 Hz / 1P		
Refrigerant			R410A	R410A	R410A
Max. heating capacity (1)		kW	10,1	11,5	12,6
C.O.P (1)		W/W	4,03	3,82	3,89
Heating capacity, min./max. (1)		kW	4,33/10,1	4,67/11,5	4,2/12,6
Heating power input, min./max. (1)		W	975/2153	915/3029	926/3072
COP, min./max. (1)		W/W	4,02/4,65	3,82/5,05	3,89/4,77
Max. heating capacity (2)		kW	9,53	10,7	11,5
COP (2)		W/W	3,17	2,95	3,08
Heating capacity, min./max. (2)		kW	4,19/9,53	4,14/10,7	3,76/11,5
Heating power input, min./max. (2)		W	1230/2990	1218/3624	1267/3723
COP, min./max. (2)		W/W	3,12/3,55	2,95/3,56	2,97/3,28
Max. cooling capacity (3)		kW	6,84	9,2	10,3
EER (3)		W/W	2,09	2,68	3,29
Cooling capacity, min./max. (3)		kW	4,1/6,84	4,33/9,2	4,29/10,37
Cooling capacity input, min./max. (3)		W	1230/3280	993/3465	957/3156
		W/W	2,09/3,32	2,68/4,11	3,29/4,63
Max. cooling capacity (4)		kW	5,05	6,74	7,9
EER (4)		W/W	1,58	2,15	2,63
Cooling capacity, min./max. (4)		kW	2,34/5,05	2,17/6,74	2,34/7,91
Cooling capacity input, min./max. (4)		W	1080/3200	924/3132	1000/3012
EER, min./max. (4)		W/W	1,58/2,4	2,15/3,0	2,33/3,12
SCOP		W/W	3,99	3,92	3,9
Energy rating			A++	A++	A++
Fan	Number		1	1	2
	Air flow rate	m /h	3000	3100	4200
	Rated power	W	76	76	150
Water side heat exchanger	Type		Plate heat exchanger		
	Water pressure drop	kPa	30	30	30
	Piping connection size	cal	G1"	G1"	G1"
Water pump	Max. lift	m	7,5	7,5	7,5
Noise Level	Outdoor unit	dB(A)	62	65	65
	Indoor unit		43	45	46
Water capacity		l	250	250	250
Temperature setting range		°C	30–52–75°C	30–52–75°C	30–52–75°C
Hot water flow rate		kg/h	240	300	360
Operating temperature range		°C	Od -25 do 45	Od -25 do 45	Od -25 do 45
Minimum water inlet temperature in central heating / DHW mode		°C	23	23	23
Water piping connection size		cale	G1"	G1"	G1"
Max. water pressure		MPa	0,7	0,7	0,7
Integrated electrical heater		kW	2(220–240 V / 50 Hz / 1P)	2(220–240 V / 50 Hz / 1P)	2(220–240 V / 50 Hz / 1P)
1.5 kW electric heater control			Automatic		
Integrated electrical heater		kW	6(230 V / 50 Hz / 1P)	6(230 V / 50 Hz / 1P)	6(230 V / 50 Hz / 1P)
6 kW electric heater control			Automatic		
Refrigerant piping connector size		cale	3/8" 1/2"	3/8" 1/2"	3/8" 5/8"
Maximum piping length		m	12	12	12
Refrigerant charge increase per 1 m over 4 m of piping length		g	40	40	40
Water flow rate limits	Min./Nom./Max.	L/S	0,3/0,395/0,48	0,3/0,52/0,62	0,3/0,61/0,73
Net size (LxDxH)	Outdoor unit	mm	934 X 354 X 753	1044 X 414 X 763	1123 X 400 X 1195
	Indoor unit	mm	600 X 685 X 1720	600 X 685 X 1720	600 X 685 X 1720
Packaging size (LxDxH)	Outdoor unit	mm	900 X 440 X 810	1130 X 500 X 815	1330 X 490 X 1330
	Indoor unit	mm	640 X 740 X 1917	640 X 740 X 1917	640 X 740 X 1917
Net weight	Outdoor unit	kg	62,5	75	113
	Indoor unit	kg	130	130	130
Shipping weight Note:	Outdoor unit	kg	72,5	75	123
	Indoor unit	kg	140	140	140

(1) Heating conditions: Water inlet / outlet (supply-side) temperature: 30°C/35°C, ambient temperature: DB 7°C / WB 6°C;
(2) Heating conditions: Water inlet / outlet (supply-side) temperature: 40°C/45°C, ambient temperature: DB 7°C / WB 6°C;
(3) Cooling conditions: Water inlet / outlet (supply-side) temperature: 23°C/18°C, ambient temperature: 35°C
(4) Cooling conditions: Water inlet / outlet (supply-side) temperature: 12°C/7°C, ambient temperature: 35°C.
(5) The symbol „*" indicates that the hot water flow has been specified with the following test conditions: DB/WB 20°C/15°C, the water temperature setting was 50°C .
(6) The symbol „*" means that the water temperature can reach 55°C with the heat pump operating alone or 75°C with the electric heater in operation.
(7) The specifications are subject to change without prior notice. See the product name plate for the actual specifications.
(8) The performance test methods were as specified in EN 14511:2007.