






Neoheat Eko MONO R290


The heat pump is a monobloc-type unit with a hydro-box that forms a complete system. The Wi-Fi function facilitates its remote control. Thanks to application of the environmentally-friendly R290 refrigerant, which is odourless and colourless, occurs naturally in nature, demonstrates excellent thermodynamic properties and, simultaneously, has no adverse impact on combating global warming or ozone layer protection, this pump has become a pioneering solution in the field of environmental protection. The sound level resulting from this unit operation is also over 10 dB lower than for split-type units. The pump distinguishing feature is its wide operating temperature range, even up to 70 degrees Celsius.





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MONOBLOC +
HYDRO-BOX
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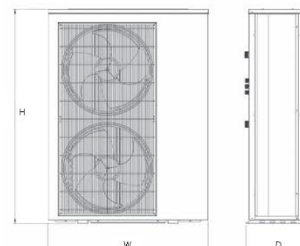
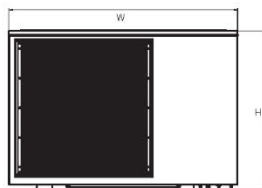
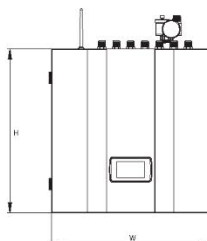
WI-FI/REMOTE
MAINTENANCE ACCESS
- 

TWO HEATING
CIRCUITS
- 

QUIET OPERATION
- 

ENVIRONMENTALLY-
FRIENDLY R290
REFRIGERANT
- 

CLASS



Model	Neoheat Eko Mono				
	Neoheat Eko Mono R290 08	Neoheat Eko Mono R290 12	Neoheat Eko Mono R290 15		
Indoor unit dimensions (H x W x D)	Net/gross	mm	570 x 550 x 255 / 620 x 600 x 310	570 x 550 x 255 / 620x600x310	570 x 550 x 255 / 620x600x310
Outdoor unit dimensions (H x W x D)	net		950 x 1165 x 370	950 x 1165 x 370	1450 x 1085 x 390

Model	Neoheat Eko Mono				
	Neoheat Eko Mono R290 08		Neoheat Eko Mono R290 12	Neoheat Eko Mono R290 15	
net					
Seasonal space heating energy efficiency rating, temperate climate	LWT = 35°C		A+++	A+++	A+++
	LWT = 55°C		A+++	A++	A++
Rated heat output, temperate climate (-10°C)	LWT = 35°C	kW	7	9	13
	LWT = 55°C		6	8	11
Seasonal energy efficiency, space heating, temperate climate	LWT = 35°C	%	190.9	187.5	186.5
	LWT = 55°C		143.1	139.4	136.9
Annual energy consumption, temperate climate	LWT = 35°C	kWh	2953	3889	5475
	LWT = 55°C		3622	4766	6505
Indoor sound power level	-	DB(A)	33	34	37
Outdoor sound power level	-	DB(A)	54	56	56
Rated heat output, cold climate	LWT = 35°C	kW	5.86	7.61	10.53
	LWT = 55°C		5.38	7.18	9.94
Rated heat output, warm climate	LWT = 35°C	kW	8.65	10.42	14.27
	LWT = 55°C		7.73	9.68	13.26
Seasonal space heating energy efficiency, cold climate	LWT = 35°C		159.80	153.30	154.80
	LWT = 55°C	%	120.60	107.60	109.20
Seasonal space heating energy efficiency, warm climate	LWT = 35°C		205.30	197.60	199.50
	LWT = 55°C	%	165.70	145.20	147.30
Annual energy consumption as final energy amount, cold climate	LWT = 35°C	kWh	3231	4308	5943
	LWT = 55°C		3766	5342	7353
Annual energy consumption as final energy amount, warm climate	LWT = 35°C	kWh	2586	3403	4721
	LWT = 55°C		3105	4308	5938
Heat pump power supply	-	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50	380 - 400 / 3 / 50
Electric heater power supply	-	V	230	380 / 3 ph	380 / 3 ph
Heating (LWT = 35°C) (Outdoor temperature 2°C, 85% RH, EWT 30°C, LWT 35°C)	Air handling performance	kW	8.2	10.6	14.4
	COP	-	4.02	3.73	3.19
Heating (LWT = 55°C) (Outdoor temperature 7°C, 85% RH, EWT 47°C, LWT 55°C)	Air handling performance	kW	8.5	11	14.9
	COP	-	3.08	2.56	2.73
Cooling (LWT = 18°C) (Outdoor temperature 35°C, EWT 23°C, LWT 18°C)	Air handling performance	kW	8	10.2	13.2
	EER	-	3.8	3.6	3.65
Cooling (LWT = 7°C) (Outdoor temperature 35°C, EWT 12°C, LWT 7°C)	Air handling performance	kW	6	7.5	10.1
	EER	-	3	2.75	2.85
Overcurrent protection rating	-	A	16	25	25
Power supply (no. of conductors x size)	-	mm ²	3 x 2.5	3 x 4	5 x 4
Indoor unit weight	Net/gross	kg	25	25	25
Outdoor unit weight		kg	98	110	145
Compressor	Type/no. of pieces	-	Twin, rotary - 1	Twin, rotary - 1	Twin, rotary - 1
Refrigerant connections (liquid/gas)	-	-	-	-	-
Sensors	-	-	TC (circuit temp.), TW (DHW temp.), TV1 (1st circuit temp.), TV2 (2nd circuit temp.), TR (indoor temp.)		
Integrated electric heater	-	kW	6	6	6
Compressor manufacturer	-	-	Highly	Highly	Highly
Refrigerant	Type/no. of pieces	kg	R290 / 0.7 kg	R290 / 0.9 kg	R290 / 1.5 kg
	Cooling		0 ~ 55	0 ~ 55	0 ~ 55
Recommended operating range	Heating	°C	-25~45	-25~45	-25~45
	DHW		-25 ~ 55	-25 ~ 55	-25 ~ 55
Water-side heat exchanger	Type		Plate heat exchanger		
Water-side connection	Type	Inch	1	1	5/4
Water pump	Max. delivery head	m	9	9	11
	Cooling		7 ~ 20	7 ~ 20	7 ~ 20
Water outlet temperature range	Heating	°C	20 ~ 70	20 ~ 70	20 ~ 70
	DHW		-	-	-