HEAT PUMP
NEOHEAT BASIC

NEOHEAT BASIC HEAT PUMP

BASIC
NEOHEAT 8 B | NEOHEAT 11 B
NEOHEAT 14 B | NEOHEAT 16 B

BASIC HIGH POWER
NEOHEAT 11 B HP | NEOHEAT 14 B HP
NEOHEAT 16 B HP |
HEAT PUMP WITH HEATING DHW UP TO 60°C

HEAT PUMPS IDEAL AS AN ADDITIONAL HEATING SOURCE FOR SINGLE-FAMILY HOUSES

BASIC EQUIPMENT

- Speed-regulated circulating pump with low sound level up to 6 dB
- Touch control panel
- Temperature control depending on external conditions

ACCESSORIES (OPTIONAL)

- EXP module to control two heat sources
- Additional ETS sensor
- Remote control via server
- Expandable for DHW heating

NAME OF THE SERIES			NEOHEAT BASIC				NEOHEAT BASIC HIGH POWER		
Type			Neoheat 8 B	Neoheat 11 B	Neoheat 14 B	Neoheat 16 B	Neoheat 11 B HP	Neoheat 14 B HP	Neoheat 16 B HP
Efficiency	Low temp.	kW	8	10.5	14	15	11	13	14
	Indirect temp.	kW	8	9	11	13	9	11	13
Bivalent point	Low temp.	°C	-7	-7	-7	-7	-7	-7	-7
	Indirect temp.	°C	-7	-6	-6	-6	-7	-7	-7
Seasonal energy efficiency (Eu 811, 813/2013)	Low temp.	%	155	150	148	148	154	150	149
	Indirect temp.	%	113	112	114	114	112	117	116
	Class		A++	A++	A+	A+	A++	A++	A+
SCOP			3.95	3.83	3.78	3.78	3.93	3.83	3.80
+2°C / +35°C (EN 14511)	Efficiency*	kW	8	10	13	14	11.1	14	15.1
	COP**		3.5	3.45	3.6	3.5	3.55	3.55	3.45
Annual energy consumption	Low temp.	kWh	4,415	5,600	6,815	7,998	5,930	6,738	7,408
	Indirect temp.	kWh	5,415	6,418	7,712	8,347	6,669	7,803	9,062
Cooling capacity	+40°C / + 15°C	kW	7.5	9.5	12	13.3	9.5	11.9	14
EER			3.21	2.9	3.22	3.01	3.22	3.01	2.9

INDOOR UNIT

neoheat

Sound power level		dB(A)	42						
Dimensions	H x W x L	cm	65 x 40 x 30						
Weight	net	kg	44						
Condensation exchanger	stainless steel tank								
Max. lifting height of the pump		m	18						
Overpressure relief		MPa	0.25						
Heat circuit connection	G1, "female thread								
Pump efficiency	indoor unit	m	7.5						
Nominal flow of heated water		l/h	950	1,360	2,400	2,700	1,360	2,400	2,700
Circulation pump	Low-energy, according to the ERP Directive								
Counter-current protection		A	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25	3 x 25
DHW tank		l	None						

OUTDOOR UNIT

Fuji Electric

Power supply	Ph/V/Hz		1/230/50			3/400/50			
Current consumption	Max.	A	17	20	20.5	12	10.5	11.5	12.5
Fan motor	DC - variable speed								
Sound power level		dB(A)	69	69	69	70	69	69	70
Net dimensions	H x W x L	cm	83 × 90 × 33	83 × 90 × 33	129 × 90 × 33	129 × 90 × 33	129 × 90 × 33	129 × 90 × 33	129 × 90 × 33
Weight	net	kg	68	68	86	86	93	93	93
Refrigerant	R410A								
Amount of refrigerant in the device		kg	2.1	2.1	3.35	3.35	2.7	2.7	2.7
Cooling lines – Diameter	Liquid	mm	ø 9.52						
	Gas	mm	ø 15.88						
Length	Min. / Max.	m	5/50	5/50	5/50	5/50	5/50	5/50	5/50
Length (not recharged)	Max.	m	20	20	20	20	20	20	20
Max. level difference	Max.	m	30	30	30	30	30	30	30
Working temperature range		°C	-15 ~ 24				-20 ~ 35		
Max. water heating temperature		°C	55				60		
Min. water heating temperature		°C	15						
Compressor	DC - inverter (variable speed)								
Cooling circuit adjustment	electronic expansion valve								
Evaporator	Al-Cu vertical								
Airflow		m^3/h	3,600	3,600	6,200	6,850	6,850		
Thawing	With hot gas through a non-return valve								
Limit for relative humidity	15 - 95%								

* 100% compressor operation.