

HEAT PUMP

NeoRé TG EX



GRAPHIC TOUCH SCREEN



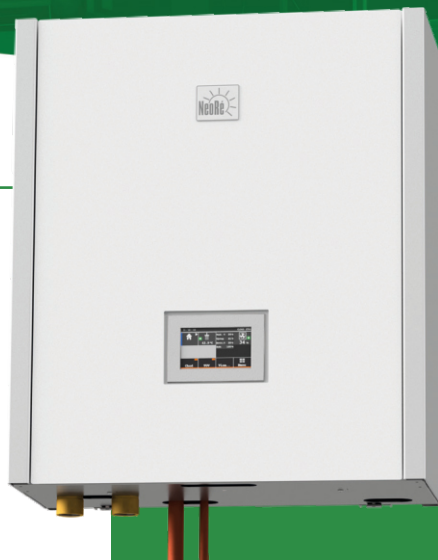
EQUITHERMAL REGULATION



CALORIMETER



SMART REMOTE CONTROL



HEAT PUMPS WHICH ARE DESIGNATED FOR HEATING OF INDUSTRIAL BUILDINGS AND LARGE FAMILY HOUSES WITH THE NECESSITY OF BUYING OF BIVALENT SOURCE



OPTIONAL EQUIPMENT

- indoor temperature sensor
- Neota Route service connection
- 3-way mixing second circuit valve
- external DHW heating set
- 3-way zone valve for pool
- outdoor unit console
- WiFi Router



POWER 22-28 kW



ECOLOGICAL REFRIGERANT R32



HEATING AND COOLING



LOW NOISE FROM 46 dB



STANDARD EQUIPMENT

- comprehensive regulation by Foxtrot
- circulator with speed control and lower noise up to 6 dB
- equithermal regulation
- indoor temperature sensor
- calorimeter
- DHW circulation electric output
- two heating circuits
- floor drying program
- graphic touch screen
- build-in web server for remote control
- cloud access

NAME OF THE SERIES

COMFORT SERIES

Type			NeoRé 22 TG EX	NeoRé 28 TG EX
Rated power	Low temperature (35°C)	kW	18	20
	Intermediate temp. (55°C)	kW	15	16
Bivalent temperature	Low temperature	°C	-7	
	Intermediate temperature	°C	-7	
Seasonal Energy Efficiency (Eu 811,813/2013)	Low temperature	%	174	170
	Intermediate temperature	%	126	122
	Class Low temperature		A++	A++
	Class Intermediate temperature		A+	A+
Seasonal Coefficient of Performance SCOP	Class Low temperature		4,43	4,34
	Class Intermediate temperature		3,22	3,13
+2°C / +35°C (EN 14511)	Power / COP*	kW/-	17,0 / 3,7	21,0 / 3,5
-2°C / +35°C (EN 14511)	Power / COP*	kW/-	15,3 / 3,3	18,8 / 3,2
-7°C / +35°C (EN 14511)	Power / COP*	kW/-	12,9 / 2,9	15,9 / 2,8
-7°C / +55°C (EN 14511)	Power / COP*	kW/-	9,3 / 1,8	11,4 / 1,8
+5°C / +35°C (EN 14511)	Min. power (10% compressor power)	kW	5,6	6,9
Annual energy consumption	Low temperature	kWh	8440	9928
	Intermediate temperature	kWh	9362	10784
Cooling power	+40°C / +15°C	kW	20	23,5
EER			3,6	3,0

INDOOR UNIT

Bivalent source	Power	kW	external	
Indoor unit noise (acoustic power)		dB(A)	46 dB	
Indoor unit dimensions	H x W x D	cm	65 x 57 x 30	
Indoor unit weight		kg	61 netto	
Condensation exchanger			stainless steel - soldered	
Max. height of water column		m	18	
Overpressure relief		MPa	0,25	
Heating circuit connection			G1" inner thread	
Pumping power	(indoor unit)	m	12	
Nominal flow rate of heating w.		l/h	2750	3500
Circulation pump			ErP low energy PWM	
Lead protection		A	3x25	3x25

OUTDOOR UNIT

Outdoor unit voltage			3f 230V	
Electric current	Max.	A	18	22
Fan engine			DC - variable revs	
Outdoor unit noise (acoustic pressure - 5m distance***)		dB(A)	46	48
Outdoor unit dimensions	H x W x D	cm	155 x 101 x 37	155 x 101 x 37
Outdoor unit weight	(netto)	kg	142	142
Refrigerant			R32 (GWP=675)	
Refrigerant weight		kg	5,0	5,0
Connection pipes	Diameter	Fluid	mm	ø 12,7
		Gas	mm	ø 28,6
	Lenght	Min. / Max.	m	5/40
	Lenght (without filling)	Max.	m	30
	Height difference	Max.	m	15
Operational conditions		°C	-15 ~ 24	
Max. temperature of heating water		°C	55	
Min. temperature of heating water		°C	20	
Compressor			DC - inverter (with variable revs)	
Regulation of cooling circle			electronic expansion valve	
Evaporator			Al-Cu vertical	
Air flow		m³/hr	9150	10890
Defrosting			by hot gas thru reverse valve	
Limits for relative humidity			15-95%	

* Value is measured according to standard ČSN14511, 40% compressor power. (Measuring includes defrosting and total consumption of the technology of heat pump).

** Measured according to EN12102-1 at 3m, direction coefficient 2 | Values of seasonal energy are determine for average temperature band.