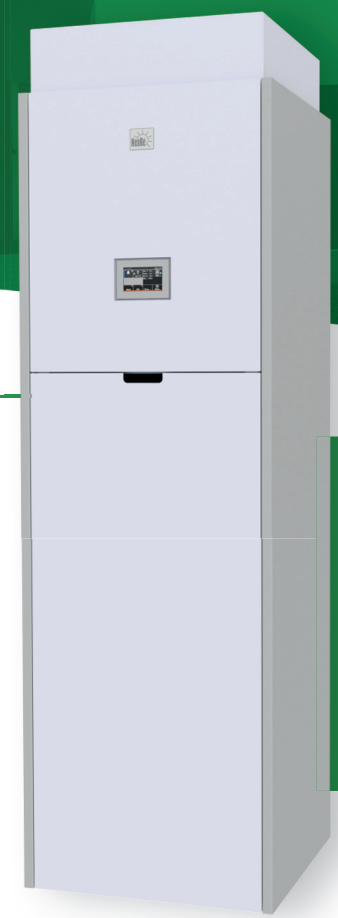
HEAT PUMP
NeoRé TG TX



- BUILT-IN BACKUP ELECTRIC HEATER
- EQUITHERMAL REGULATION
- EXPANSION TANK
- SMART REMOTE CONTROL
- 200 L STAINLESS TANK FOR DHW
- POOL CIRCUIT CONTROL

HEAT PUMPS WHICH ARE DESIGNED FOR FAMILY HOUSES HEATING AND DOMESTIC HOT WATER HEATING WITH A GREAT RATIO OF USE VALUE AND DESIGN

OPTIONAL EQUIPMENT

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

- POWER 5-16 kW
- ECOLOGICAL REFRIGERANT R32
- HEATING AND COOLING
- LOW NOISE FROM 35 dB

STANDARD EQUIPMENT

- comprehensive regulation by Foxtrot
- integrated electric heater 3 × 2 kW
- circulator with speed control and lower noise up to 6 dB
- 8 l expansion tank for heating circuit
- 2,5 bar heating circuit safety valve
- sensor for pressure monitoring
- 3-way valve for DHW heating
- 200 l stainless tank for DHW
- floor drying program
- pool and secondary source service
- equithermal regulation
- graphic touch screen
- build-in web server for remote control
- cloud access
- magnetic purge filter

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NAME OF THE SERIES				COMFORT SERIES				HIGH POWER SERIES			
Type			NeoRé 5 TG TX	NeoRé 8 TG TX	NeoRé 11 TG TX	NeoRé 14 TG TX	NeoRé 8 TG TX HP	NeoRé 11 TG TX HP	NeoRé 14 TG TX HP	NeoRé 16 TG TX HP
Rated power	Low temperature (35°C)	kW	5	6	7	9	6	9	11	13
	Intermediate temp. (55°C)	kW	4	5	6	6	5	8	10	11
Bivalent temperature	Low temperature	°C	-7							
	Intermediate temp.	°C	-7							
Seasonal Energy Efficiency (Eu 811,813/2013)	Low temperature	%	174	176,4	174,9	172,5	194	192	186	184
	Intermediate temp.	%	121	123,6	122,8	120	133	134	127	124
	Class low temperature		A++	A+++	A++	A++	A+++	A+++	A+++	A+++
	Class Intermediate temperature		A+	A+	A+	A+	A++	A++	A++	A+
Seasonal Coefficient of Performance SCOP	Class Low temperature		4,42	4,48	4,45	4,39	4,92	4,88	4,71	4,67
	Class Intermediate temperature		3,09	3,16	3,14	3,07	3,39	3,42	3,26	3,18
+2°C / +35°C (EN 14511)	Power / COP*	kW/-	4,5 / 3,7	8,0 / 3,7	9,0 / 3,7	11,8 / 3,6	8,0 / 4,1	11 / 4,2	13,5 / 4,0	15,5 / 3,8
-2°C / +35°C (EN 14511)	Power / COP*	kW/-	4,3 / 3,4	7,3 / 3,4	8,2 / 3,0	10,8 / 3,4	7,6 / 3,9	10,4 / 4,0	12,7 / 3,8	14,3 / 3,6
-7°C / +35°C (EN 14511)	Power / COP*	kW/-	3,9 / 3,1	6,3 / 3,0	7,1 / 3,0	9,3 / 3,0	6,9 / 3,6	9,5 / 3,7	11,5 / 3,5	12,8 / 3,3
-7°C / +55°C (EN 14511)	Power / COP*	kW/-	2,8 / 2,1	3,3 / 1,8	3,7 / 1,8	4,8 / 1,8	5,0 / 2,4	6,8 / 2,4	8,3 / 2,3	9,2 / 2,2
+5°C / +35°C (EN 14511)	Min. power (10% compressor power)	kW	1,0	2,9	3,2	4,2	1,8	2,5	3,0	3,5
Annual energy consumption	Low temperature	kWh	2 102	2 813	3 361	4 241	2 466	3 809	4 821	5 747
	Intermediate temp.	kWh	2 339	3 321	3 714	4 214	2 921	4 831	6 337	7 157
Cooling power	+40°C / +15°C	kW	3,9	6,33	9,47	11,46	7,1	10	11,5	13
EER			3,9	3,9	3,56	3,31	5,18	5,26	5	4,3
Annual DHW energy consumption	Load profile XL	kWh	892	873	885	899	812	805	850	870

INDOOR UNIT

Bivalent source	Power	kW	6,0 (3×2 kW)							
Hladina hluku (akustický výkon)		dB(A)	32,5 dB							
Indoor unit dimensions	H x W x D	cm	213 × 63 × 63							
Indoor unit weight		kg	186 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	6,8							
Nominal flow rate of heating w.		l/h	1000	1400	1900	2400	1400	1900	2400	2750
Circulation pump			ErP low energy PWM							
Lead protection		A	3x20	3x20	3x25	3x25	3x20	3x25	3x25	3x25
DHW tank			200 l							

OUTDOOR UNIT

Outdoor unit voltage			1f 230V							3f 400V
Electric current	Max.	A	13,1	17,5	18,5	20	17,5	18,5	20	10,5
Fan engine			DC - variable revs							
Outdoor unit noise (acoustic pressure - 5m distance***)		dB(A)	35	37	39	39	34	37	37	38
Outdoor unit dimensions	H x W x D	cm	63x87x30	89x90x32	89x90x32	89x90x32	105x101x37	155x101x37	155x101x37	134x90x32
Outdoor unit weight	(netto)	kg	45	68	68	68	74	104	104	95
Refrigerant			R32 (GWP=675)							
Refrigerant weight		kg	1,35	2,1	2,1	2,1	1,9	3,1	3,1	2,6
Connection pipes – Diameter	Fluid	mm	ø 6,4	ø 9,52						
	Gas	mm	ø 12,7	ø 15,88						
Lenght	Min./Max.	m	3/25	5/30	5/30	5/30	3/30	3/40	3/40	3/40
Lenght (without filling)	Max.	m	20	30	30	30	30	30	30	30
Height difference	Max.	m	10	10	10	10	10	10	10	10
Operational conditions		°C	-15 ~ 24				-27 ~ 24			
Max. temperature of heating water		°C	55				60			
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	m^3/hr		2250	4080	4080	4200	3180	6180		
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.

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