

HEAT PUMP

NeoRé TG MINI



OPERATION INDICATOR LIGHT



EQUITHERMAL REGULATION



SMART REMOTE CONTROL



HEAT PUMPS WHICH
ARE DESIGNED FOR FAMILY
HOUSES HEATING AND
DOMESTIC HOT WATER
HEATING



OPTIONAL EQUIPMENT

- external DHW heating set
- Neota Route service connection
- 3-way mixing second circuit valve
- outdoor unit console
- graphic touch screen
- WiFi Router



POWER 5-16 kW



ECOLOGICAL REFRIGERANT R32



HEATING AND
COOLING



LOW NOISE FROM 35 dB



STANDARD EQUIPMENT

- comprehensive regulation by Foxtrot
- circulator with speed control and lower noise up to 6 dB
- sensor for pressure monitoring
- calorimeter
- equithermal regulation
- floor drying program
- build-in web server for remote control
- cloud access

NAME OF THE SERIES			COMFORT SERIES				HIGH POWER SERIES			
Type			NeoRé 5 TG MINI	NeoRé 8 TG MINI	NeoRé 11 TG MINI	NeoRé 14 TG MINI	NeoRé 8 TG MINI HP	NeoRé 11 TG MINI HP	NeoRé 14 TG MINI HP	NeoRé 16 TG MINI 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	2102	2813	3361	4241	2466	3809	4821	5747
	Intermediate temp.	kWh	2339	3321	3714	4214	2921	4831	6337	7157
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

INDOOR UNIT										
Bivalent source	Power	kW	external							
Indoor unit noise (acoustic power)		dB(A)	32,5 dB							
Indoor unit dimensions	H x W x D	cm	65 x 57 x 30							
Indoor unit weight		kg	41 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	1x20	1x20	1x25	1x25	1x20	1x25	1x25	3x16	

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	35	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		m³/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.