nipon®
techforcomfort

NEW

AIR-TO-WATER HEAT PUMP

I·NEX R290
INVERTER HEAT PUMP TECHNOLOGY

EUROVENT CERTIFIED PERFORMANCE
SG Ready

R290 A+++



5 ANOS GARANTIA
3 anos total
+ 2 anos nas peças

I-NEX offers efficient solutions for heating, cooling and domestic hot water.
It operates quietly, with noises levels as low as 40 dB(A) e é capaz de fornecer água até 80ºC.

R290

Fitted with the natural refrigerant R290, ensuring maximum sustainability and lower enviromental impact.

ENERGY CLASS A+++

With A+++ certification, ensuring high performance and low energy consumption all year round.

STATE-OF-THE-ART COMPONENTS

R290 Natural Refrigerant
Full DC Inverter Technology
Inverter Water Pump
High-Efficiency Plate Heat Exchanger

EASY INSTALLATION

WI-FI CONTROL

WATER OUTLET AT 80°C

For heating and up to 70ºC for DHW without a backup system

FIVE OPERATING MODES

- COOLING
- HEATING
- HOT WATER
- COOLING + HOT WATER
- HEATING + HOT WATER



CONTROLLER

- Weekly schedule
- Silent mode
- Disinfection - Anti-Legionela



MONOBLOCO I-INEX			M06 Gv5	M08 Gv5	M10 Gv5	M12 Gv5	M14 Gv5	M16 Gv5	M12T Gv5	M14T Gv5	M16T Gv5
Heating Capacity (7°C outdoor/ 35°C water)		kW	6.2	8.4	10.0	12.0	14.0	15.5	12.0	14.0	15.5
Cooling Capacity (7°C outdoor/ 35°C water)		kW	6.2	8.3	10	12	14	15.5	12	14	15.5
COP (7°C EXT./ 45°C water)			3.9	3.9	3.7	3.8	3.7	3.75	3.8	3.7	3.75
SCOP (7°C EXT./ 35°C water)			5.1	5.05	4.85	4.68	4.65	4.68	4.68	4.68	4.63
SCOP (7°C EXT./ 55°C water)			3.8	3.8	3.8	3.5	3.48	3.43	3.5	3.5	3.35
EER (35°C ext/7°C water)			3.2	3.2	3.05	3.15	2.95	2.85	3.15	2.95	2.85
SEER (35°C ext/7°C water)			5.34	5.07	5.07	4.9	4.9	4.33	4.9	4.9	4.33
Maximum supply temperature			80	80	80	80	80	80	80	80	80
Energy Class (35°/55°/DHW)**							A+++/A++/A				
Power Supply		V/f/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	400/3/50	400/3/50	400/3/50
Maximum heating current		A	10.4	18.7	18.7	17.2	20.1	21.7	9.9	11.6	12.6
Maximum cooling current		A	12.2	13	15.7	20.7	25.7	25.6	11.9	14.8	14.8
Eletric Current (Cooling)		A	6.00	7.30	9.15	10.50	13.00	14.34	6.04	7.48	8.28
Electric Current (Heating)		A	8.29	6.94	9.07	11.30	14.2	15.32	6.50	8.17	8.84
Recommended circuit breaker		A	16	25	25	32	32	32	16	16	16
Power cable		mm^2	3x2,5	3x4	3x4	3x4	3x6	3x6	5x2,5	5x2,5	5x2,5
Operating Temperature Range	Heating	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
	Cooling	°C	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48	-15~+48
	DHW	°C	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45	-25~+45
DHW temperature		°C	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*	+40~+70*
Hydraulic Connections		Inch(DN)	1"(25)	1"(25)	1"(25)	1"(25)	1"(25)	1" ¼(32)	1"(25)	1"(25)	1" ¼(32)
Sound Pressure	Cold	dB(A)	47	52	53	55	56	53	55	56	53
	Heat	dB(A)	47	51	52	55	56	53	55	56	53
Refrigerante			R290	R290	R290	R290	R290	R290	R290	R290	R290
R290 Refrigerant Charge		Kg	0.8	1.00	1.00	1.2	1.2	1.5	1.2	1.2	1.5
Equipament dimensions (WxHxD)		mm	1210x880x450	1210x880x451	1210x880x452	1210x880x454	940x1615x460	1210x880x456	1210x880x456	1210x880x457	940x1615x460
Packing Dimensions (WxHxD)		mm	1323x900x528	1323x900x529	1323x900x531	1323x900x532	1050x1760x580	1323x900x534	1323x900x534	1323x900x535	1050x1760x580
Net/ Gross Weight		Kg	110/128	124/141	124/141	138/155	138/155	175/193	146/163	146/163	179/197
Code			NI0512106	NI0512108	NI0512110	NI0512112	NI0512114	NI0512116	NI0512312	NI0512314	NI0512316

* using only electrical resistance
** in accordance with EN 14825/ EN 16147

The specifications described in this table my be subject to change without notice due to typographical errors or technical changes.
The advertised warranty is only against manufacturing defects.