

# nipon®

techforcomfort

**NEW**

## AIR-TO-WATER HEAT PUMP

### I-NEX R290

INVERTER HEAT PUMP TECHNOLOGY



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 80°C.

## R290

Fitted with the natural refrigerant R290, ensuring maximum sustainability and lower environmental 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 70°C 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 Power (7°C out/ 35°C water)	kW	6.2	8.4	10.0	12.0	14.0	15.5	12.0	14.0	15.5
Heating Power (7°C out/ 45°C water)	kW	6.1	8.4	10.0	12.0	14.5	15.0	12.0	14.5	15.5
Heating Power (7°C out/ 55°C water)	kW	5.5	7.2	8.5	12.0	14.0	15.5	12.0	14.2	15.5
Cooling Power (35°C out/ 7°C water)	kW	6.1	7.5	8.9	11.6	12.8	14.0	11.6	12.8	14.0
Cooling Power (35°C out/ 18°C water)	kW	6.2	8.3	10	12	14	15.5	12	14	15.5
EER (35°C out/7°C water)		3.2	3.2	3.0	3.1	2.9	2.8	3.1	2.9	2.8
EER (35°C out/18°C water)		5.2	5.2	4.9	4.6	4.3	4.4	4.6	4.3	4.4
COP (7°C out/35°C water)		5.0	5.0	4.7	4.9	4.7	4.7	4.9	4.7	4.7
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
Electric 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	20	20	25	32	32	16	16	16
Power cable	mm <sup>2</sup>	3x2,5	3x4	3x4	3x4	3x6	3x6	5x2,5	5x2,5	5x2,5
Operating Temperature Range	Cooling	°C	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48	+15~+48
	Heating	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
	DHW	°C	-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
	Heat	dB(A)	47	51	52	55	56	53	55	56
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
Equipment dimensions (WxHxD)	mm	1210x450x880						940x1615x460		
Packaging Dimensions (WxHxD)	mm	1323x528x900						1090x1760x560		
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 may be subject to change without notice due to typographical errors or technical changes. The advertised warranty is only against manufacturing defects.