

NEW

DHW HEAT PUMP FLEXUS

80L, 120L, 200L e 300L



Stainless steel
DUPLUX 2205*

R290



A+



www.niponcomfort.com

*Corrosion resistant tank in duplex 2205 stainless steel

Coil temperature sensor

Smart defrost control.
Increases system longevity.

Average tank temperature sensor

Ensures that the water is heated evenly.
Antifreeze protection.

High and low pressure protection

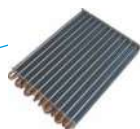
Protects the refrigeration system from excessive pressures to ensure safe operation.

Microchannels

High efficiency aluminum alloy
Microchannel exchanger.

50mm polyurethane foam insulation

Provides high-efficiency insulation,
significantly reducing heat dissipation



Evaporator

Higher efficiency for faster heating,
lower energy consumption and better
performance in different environmental
conditions.



Fan Motor

Provides maximum airflow with
minimum energy consumption
and reduced noise level.



GMCC Compressor

Designed for high efficiency
R290 DHW heat pumps.

Controller

Redesigned interface for easier control.



Capacities



- Electronic expansion valve
- Anti-Legionella Function
- Easy installation
- Anti-ice protection

Duplex Stainless Steel Tank 2205

The use of materials with greater corrosion resistance
contributes to the durability of the components.

DHW HEAT PUMP		FX-80	FX-120	FX-200	FX-200 1S	FX-300	FX-300 1S	DIFFERENT TYPES OF INSTALLATION
Electrical supply	V/Ph/Hz	220 240V/1/ 50Hz						The unit can function not only as a heat pump but also as a cooling, dehumidifier or energy recovery device.
Rated power	W	2160	2160	2200	2200	2200	2200	
COP*	W/W	3,05	3,14	3,6	3,6	3,8	3,8	
Maximum current	A	1.81 + 6.8 (e-heater)			2.61 + 6.8 (e-heater)			
Maximum water temperature	°C	70						
Max. water temperature	°C	70 (60 without support of electrical resistance)						
Temperature adjustment range	°C	10 - 70						
Working environment temperature	°C	-5-40						
Max. discharge pressure	bar	26						
Max. suction pressure	bar	10						
Sound Pressure**	dB(A)	55	55	55	55	56	56	
Energy Class				A+				
Type of refrigeration				R290				
Air flow	m3/h	250	250	350	350	350	350	
Compressor	Tipo	Rotary						
	Marca	GMCC						
Fan motor	Tipo	Asynchronous motor						
	W	40	40	60	60	60	60	
	RPM	900	900	1130	1130	1130	1130	
Pipe diameter	mm	Ø160mm						
Tank	Maximum Pressure	10						
	Material	Inox Duplex 2205						
	Hydraulic Connections	3/4"						
	Serpentine Connections	-	-	-	3/4"	-	3/4"	
	Solar Serpentine	m²	-	-	-	0,9	-	0,9
Auxiliary electrical resistance	KW	1,6						
Electronic expansion valve		✓	✓	✓	✓	✓	✓	
Anti-Corrosion System				Magnesium Anode				
	Equipment	mm	ø510x1078	ø510x1328	ø565x1750	ø565x1750	ø648x1850	 THE MAGNESIUM ANODE IS A PROTECTIVE ELEMENT THAT PREVENTS CORROSION IN THE INTERIOR TANK.
Dimensions	Packaging	mm	570x570x1185	570x570x1435	629x629x1892	629x629x1892	695x695x1989	
	Weight	Kg	46	51	72	72	87	
Code		NH1550080	NH1550120	NH1550200	NH1550300	NH1551200	NH1551300	

30% IMPROVED HEAT TRANSFER EFFICIENCY

FAST THERMAL RESPONSE

DURABILITY AND CORROSION RESISTANCE

PV READY FUNCTION
Possibility of integrating a photovoltaic energy source

*Referring to the hot climate zone (Warmer Climate 20/15 °C)

**Noise is tested according to EN 12102 with water at 50°C