



R290 Tropikal xpro SERIES | SQUARE Hot Water Heat Pump

This R290 all-in-one heat pump features a enamel water tank for outstanding corrosion resistance, high pressure tolerance, and long service life. Energy Class A++ efficiency delivers hot water up to 75°C while keeping energy use low.

Equipped with WiFi smart control and IoT functions, it supports real-time monitoring, remote operation, and power consumption tracking for smarter management. Magnesium rod protection further extends the tank lifespan, ensuring reliable hot water performance for years to come.



R290 Refrigerant
Ultra-low GWP, safe and eco-friendly for sustainable hot water supply.



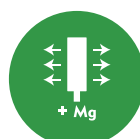
Energy Class A++
High efficiency performance, reducing energy consumption.



WiFi Smart Control
Remote monitoring and control via mobile phone app.



Output Water Temp. Up To 75°C
Meets high-demand hot water needs with ease.



Magnesium Rod Protection
Extends inner tank life with full-cycle corrosion resistance.



Power Consumption Module
Track daily energy use for smarter operation.

Universal Parts

Most core components are common to 200 L, 250 L, and 300 L models.

Magnesium rod



Electric heating tube



Compressor



Main PCB

Fan motor

Display board

Centrifugal fan

Heating element

Capacitor

200L



250L



300L



T E C H N I C A L D A T A

Model			Tropikal xpro200	Tropikal xpro250	Tropikal xpro300
Power Supply			220~240V~/1/50Hz	220~240V~/1/50Hz	220~240V~/1/50Hz
Maximum water temperature			75	75	75
Maximum water temperature of heat pump			70	70	70
Heating Capacity			1450	1450	1450
Rated Hot Water Production			31	31	31
Rated Power Input			370	370	370
Rated Current Input			1.6	1.6	1.6
COP			3.92	3.92	3.92
Name plate	Heat Pump	W	550	550	550
Rated power (Max)	Electric Heater	W	2100	2100	2100
	Heat Pump+Electric Heater	W	2650	2650	2650
Name plate	Heat Pump	A	2.4	2.4	2.4
Rated Current (Max)	Electric Heater	A	9.1	9.1	9.1
	Heat Pump+Electric Heater	A	11.5	11.5	11.5
Air 20/15 °C (EN16147)	Tapping	/	L	XL	XL
	ERP Class	/	A++	A++	A++
	COP	WW	4.009	4.08	4.029
	η _{wh}	%	169.4	168.97	166.79
Air 20/15 °C (EN16147) Evaluation condition			No pipe/set:51 °C	No pipe/set:51°C	No pipe/set:51°C
Air 14/13 °C (EN16147)	Tapping	/	L	XL	XL
	ERP Class	/	A++	A+	A+
	COP	WW	3.819	3.930	3.807
	η _{wh}	%	161.19	162.56	157.6
Air 14/13 °C (EN16147) Evaluation condition			in/out pipe set:51°C	in/out pipe set:51°C	in/out pipe set:51°C
Air 7/6 °C (EN16147)	Tapping	/	L	XL	XL
	ERP Class	/	A+	A+	A+
	COP	WW	3.151	3.356	3.251
	η _{wh}	%	132.1	138.14	133.9
Air 7/6 °C (EN16147) Evaluation condition			in/out pipe set:51°C	in/out pipe set:51 °C	in/out pipe set:51°C
Sound Pressure/Sound Power			dB(A)	35/51	35/51
Refrigerant Type/Charge/GWP			/	R290/0.15kg/3	R290/0.15kg/3
CO Equivalent			t	0.00045	0.00045
Working Ambient temperature			°C	-7~43	-7~43
Operation Pressure(Low Side)			MPa	1.2	1.2
Operation Pressure(High Side)			MPa	3.2	3.2
Maximum Allowable Pressure			MPa	3.2	3.2
Electrical Shockproof			/	I	I
IP Class			/	IPX1	IPX1
Water Tank Capacity			L	200	244
Water Piping Connections			In	G3/4"	G3/4"
Solar exchanger connector			/	-/G3/4"	-/G3/4"
Solar exchanger tube length			/	-/ Φ22mm * 10m	-/ Φ22mm * 10m
Inspectionaccess			mm	-/ Φ83	-/ Φ83
TP valve specification			/	G3/4"	G3/4"
Anode (Mg/E)			/	Magnesium/Electronic anode	Magnesium/Electronic anode
Material			/	Enamel/UNS S22053	Enamel/UNS S22053
Rated Working Pressure Of Tank			MPa	0.8	0.8
Air flow Rated			m ³ /h	350	350
Net Weight			kg	93	100
GrossWeight			kg	110	130
Unit Dimensions (L/W/H)			mm	600*600*1710	600*600*2110
Shipping Dimensions (L/W/H)			mm	700*700*1815	700*700*2045