SolarEast



R290 Duplex Stainless Steel Hot Water Heat Pump

This R290 all-in-one heat pump features a **duplex stainless steel 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.

Integrated With PV System
Enables direct connection with PV for optimized energy use.

Power Consumption Module
Track daily energy use for smarter operation.

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

Duplex Stainless Steel Tank
Engineered for durability—resists corrosion, withstands high pressure, and extends tank lifespan.

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			YT-200TJ	YT-250TJ	YT-300TJ
Power Supply			220-240V-/1/50Hz	220-240V-/1/50Hz	220-240V-/1/50Hz
Heating Capacity		W	1450	1450	1450
Rated Hot Water Production		L/h	31	31	31
Rated Power Input		W	370	370	370
Rated Current Input		A	1.6	1.6	1.6
COP		W/W	3.919	3.919	3.919
Air 20/15℃ (EN16147)	Load Profiles	/	L	XL	XL
	ERP Class	/	A++	A++	A++
	Mixed water at 40℃	L	231	293	331
	COP	W/W	3.906	3.965	3.933
	η wh	%	165.4	164.2	162.8
Air 14/13℃ (EN16147)	Load Profiles	/	L	XL	XL
	ERP Class	/	A++	A+	A+
	Mixed water at 40℃	L	231	293	331
	COP	W/W	3.736	3.849	3.807
	η wh	%	157.7	159.2	157.6
Air 7/6℃ (EN16147)	Load Profiles	/	L	XL	XL
	ERP Class	/	A+	A+	A+
	Mixed water at 40℃	L	230	293	329
	COP	W/W	3.043	3.253	3.149
	η wh	%	127.2	133.9	129.5
Electric Heater	Rated Power Input	W	2000	2000	2000
	Rated Current Input	A	8.9	8.9	8.9
Power Input Max.		W	2550	2550	2550
Current Input Max.		A	11.3	11.3	11.3
Noise		dB(A)	48	48	48
Refrigerant Type／Charge／GWP		/	R290/0.15kg/3	R290/0.15kg/3	R290/0.15kg/3
CO_2 Equivalent		t	0.00045	0.00045	0.00045
Maximum water temperature		℃	75	75	75
Maximum water temperature of heat pump		℃	70	70	70
Working Ambient temperature		℃	-7-43	-7-43	-7-43
Operation Pressure(Low Side)		MPa	1.2	1.2	1.2
Operation Pressure(High Side)		MPa	3.2	3.2	3.2
Maximum Allowable Pressure		MPa	3.2	3.2	3.2
Electrical Shockproof		/	I	I	I
IP Class		/	IPX1	IPX1	IPX1
Compressor/Brand		/	GMCC	GMCC	GMCC
Water Tank Capacity		L	200	250	300
Water Piping Connections		In	G3/4“	G3/4“	G3/4“
TP valve specification		/	G3/4“	G3/4“	G3/4“
Anode (Mg/E)		/	Magnesium anode	Magnesium anode	Magnesium anode
Material		/	stainless steel	stainless steel	stainless steel
Rated Working Pressure Of Tank		MPa	0.8	0.8	0.8
Air flow Rated		m^3/h	350	350	350
Net Weight		kg	90	100	110
GrossWeight		kg	107	118	130
Unit Dimensions (L/W/H)		mm	600*600*1710	600*600*1940	600*600*2110
Shipping Dimensions (L/W/H)		mm	700*700*1815	700*700*2045	700*700*2215

* Please refer to the nameplate for product upgrades or changes in specifications without prior notice.

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