

# R290 ALL-IN-ONE WATER HEATER

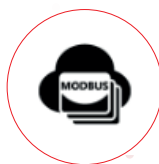
## FEATURES

- ❧ R290 refrigerant
- ❧ MODBUS function
- ❧ Solar water heating
- ❧ Easy to install
- ❧ Linkage control with PV system
- ❧ Low noise operation
- ❧ Electrical impressed anode
- ❧ Power consumption module
- ❧ Water heating at 75°C: reducing bacteria by 90%
- ❧ Making it up to 4X efficiency of an electric storage water heater

“ECODENSE All-In-One Heat Pump Water Heater provides efficient heating and cooling services while aligning with sustainability goals. It offers a cost-effective, environmentally-friendly heating solution for both residential and commercial users. It minimize energy costs and reduce carbon footprint.”



Environmentally friendly  
Adoption of R290  
refrigerant to minimize  
the environmental impact



MODBUS communication  
Remotely monitor and  
adjust the operation  
parameters, and obtain  
fault information in time



High water temperature  
The high water temperature of  
75 degrees effectively reduces  
bacteria by 90% and guarantees  
healthy water

## AREAS OF USE



Houses



Sites



Hospital



Schools



Plazas



Gym



Pool

# R290 ALL-IN-ONE WATER HEATER

Model		YT-200TB2	YT-250TB2	YT-300TB2
Loading Quantity (20GP)	Unit	24	24	24
Loading Quantity (40HQ)	Unit	51	51	51
Power Supply		220-240V~1/50Hz	220-240V~1/50Hz	220-240V~1/50Hz
Heating Capacity	W	2800	2800	2800
Rated Hot Water Production	L/h	60	60	60
Rated Power Input	W	629	629	629
Rated Current Input	A	2.8	2.8	2.8
COP	W/W	4.45	4.45	4.45
ElectricHeater				
Rated Input Power Input(resistance)	W	2000	2000	2000
Rated Input Current(resistance)	A	8.9	8.9	8.9
Power Input Max.	W	3000	3000	3000
Current Input Max.	A	13.3	13.3	13.3
Water tank volume	L	200	250	278
Refrigerant Type / Charge / GWP	.../kg	R290/0.45kg/3	R290/0.45kg/3	R290/0.45kg/3
CO2 Equivalent	t	0.00135	0.00135	0.00135
Working Ambient Temperature	C	-7-46	-7-46	-7-46
Operation Pressure(Low Side)	MPa	0,8	0,8	0,8
Operation Pressure(High Side)	MPa	3,0	3,0	3,0
Maximum Allowable Pressure	MPa	3,0	3,0	3,0
Rated Working Pressure of Tank	MPa	0,8	0,8	0,8
Electric Shock Proof				
IP Class		IP1	IP1	IP1
Water Piping Connections	inch	0,8	0,8	0,8
Air flow rated	m <sup>3</sup> /h	450	450	450
Compressor		LANDA	LANDA	LANDA
Expansion Valve		EEV	EEV	EEV
Fan		CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Air discharge		VERTICAL	VERTICAL	VERTICAL
Heat exchanger		Microchannel Wrap around tank	Microchannel Wrap around tank	Microchannel Wrap around tank
Inner tank material		Enamel	Enamel	Enamel
Inner tank thickness	mm	2,5	2,5	2,5
Insulation thickness	mm	60	60	60
Outer Casing		Galvanized painted sheet	Galvanized painted sheet	Galvanized painted sheet
Anti Legionella		Water heated up to 65C	Water heated up to 65C	Water heated up to 65C
Unit Dimensions(W/H/D)	mm	1650*φ620	1850*φ620	2050*φ620
Shipping Dimensions(W/H/D)	mm	1755*700*700	1985*700*700	2155*700*700
Noise	dB(A)	48	48	48
Net Weight	kg	95	105	115