

WESTON

C L I M A T E

AIR TO WATER HEAT PUMP

R290 COMMERCIAL SERIES • 50 / 75 / 100 kW



westonclimate.com

R290 – THE NATURAL CHOICE FOR A BETTER FUTURE

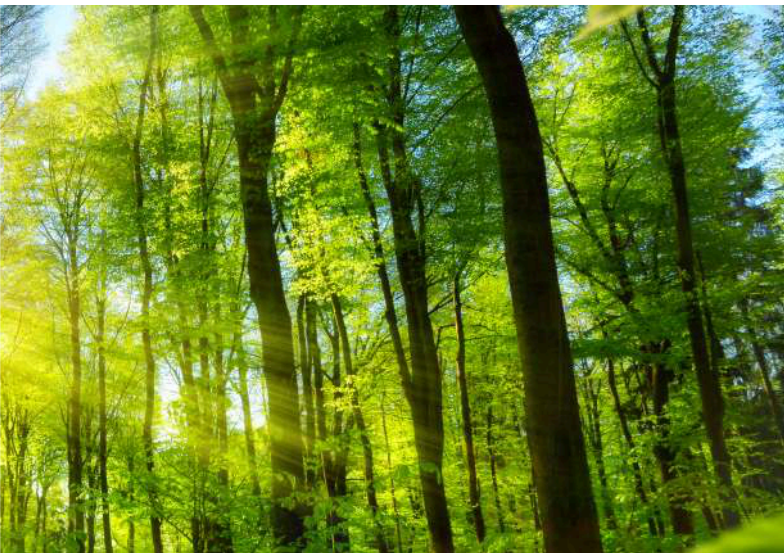


Low GWP. High Efficiency. 100% Green.

R290, or propane, is a natural refrigerant with zero ozone depletion potential (ODP = 0) and extremely low global warming potential (GWP = 3). It is increasingly being adopted in heat pump systems as an environmentally responsible alternative to traditional HFC refrigerants.

At Weston Climate, sustainability is at the core of what we do. By offering heat pumps that run on R290, we are contributing to a cleaner planet and helping our customers reduce their carbon footprint.

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GWP = 3

99% lower than conventional refrigerants



High Energy Efficiency

Reduced consumption, lower emissions



Safe & Certified

Meets EN378 / IEC international standards



Natural Refrigerant

Non-toxic, ozone-friendly



Ready for the Future

F-Gas regulation compliant

Rated A+++ at 35°C and A++ at 55°C flow temperature, Weston Climate R290 commercial heat pumps deliver outstanding seasonal performance. With leaving water temperatures up to 75°C, they suit underfloor heating, fan coils and high-temperature radiators alike.

Thanks to its low-charge design, R290 reduces operating costs while ensuring long-term sustainability. Designed for commercial buildings, the units are quiet and reliable, and meet the most demanding safety and climate regulations.

SMART CONTROL

Wired Controller

- 7 inch / 4 inch LCD touch screen
- Error code display and query
- Multiple languages
- 16-unit cascade
- Built-in temperature sensor
- Built-in WiFi module
- Built-in 4G module (optional)
- Wired controller and thermostat functions combined into one
- Multi-temperature zones
- SG-ready



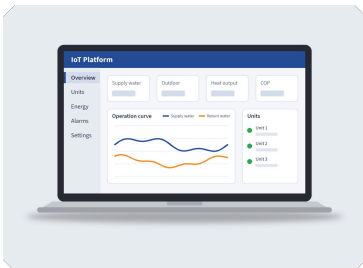
App

- Operating status query
- Error query
- Power consumption statistics
- Schedule setting
- Time setting
- Mode selection
- Multi-temperature zones
- Support engineering mode
- Multi-household management

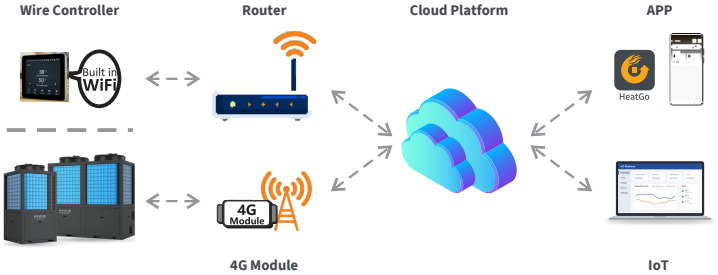


IoT

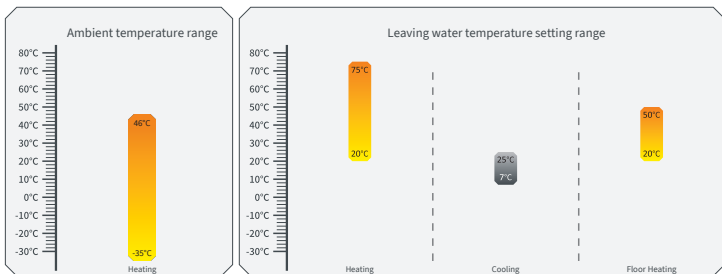
- Device information collection
- Operation Data Collection and Viewing
 - Parameter checking and setting
 - Operation curve
 - Troubleshooting
- OTA
 - Fix code defects quickly
 - Remote mainboard upgrade
- Project Engineering Management



REMOTE CONTROL MANAGEMENT



R290 COMMERCIAL AIR TO WATER HEAT PUMP



Modes:



Radiator/
Fan Coil Heating



Floor Heating



Cooling



Domestic
Hot Water

Features:

- R290 Natural Refrigerant: Near-Zero GWP for ultimate eco-friendliness.
- Full Inverter Technology: Highly efficient, perfectly constant, built to last.
- Leading Efficiency: A+++ at 35°C, A++ at 55°C.
- EVI Technology: Significantly boosts low-temperature heating capacity and efficiency, stable heating output down to -35°C.
- 75°C High-Temperature Output: Perfectly compatible with traditional high-temperature radiators.
- 3-in-1 Solution: Heating, Cooling and Domestic Hot Water in one unit.
- Domestic Hot Water up to 75°C, freely set by the user on the controller.
- High-Temperature Sterilization: protects domestic hot water against Legionella.
- Quiet Operation: 43–59 dB(A) depending on operating capacity.

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SPECIFICATION

					
Model		WESTON-GH-MN-R290-50KW-3F		WESTON-GH-MN-R290-75KW-3F	WESTON-GH-MN-R290-100KW-3F
Power Supply		380V~415V/3N/50Hz			
Nominal Heating (Max) (A7/6°C,W30/35°C)					
Heating Capacity	kW	18.50~50.50		25.00~76.0	35.50~105.00
Power Input	kW	3.95~14.80		5.75~21.71	7.95~30.43
COP	/	3.5~4.70		3.55~4.65	3.5~4.62
Nominal Heating (Max) (A7/6°C,W47/55°C)					
Heating Capacity	kW	10.85~40.00		19.58~67.27	26.85~93.45
Power Input	kW	3.74~13.79		6.19~26.91	8.52~37.38
COP	/	3.02~3.52		2.50~3.38	2.55~3.28
Nominal Cooling (Max) (A35/24°C,W12/7°C)					
Cooling Capacity	kW	10.15~28.50		13.5~48.5	16.20~65.50
Power Input	kW	3.63~12.95		6.91~20.90	7.35~33.41
EER	/	2.20~2.70		2.00~2.45	2.00~2.50
Max Power Input	kW	19.3		30.5	40.5
Max Current	A	35.0		54.5	82.0
ERP Level (35°C)/(55°C)	/	A+++/A++			
Maximum Allowable Pressure	MPa	3.2			
Refrigerant	/	R290			
Electrical Shockproof	/	I			
Compressor Quantity	/	1	2		
Fan Motor Quantity	/	1	2		
Fan Motor Type	/	DC			
Expansion Valve	/	EEV/sanhua			
Air Flow Direction	/	Vertical			
IP Class	/	IPX4			
Water Flow Volume	m³/h	6.0	9.0	12.5	
Water Pressure Drop	kPa	65	75	76	
Working Temperature Range	°C	-35~46			
Noise	dB(A)	55(39-55)	62(54-72)		
Water Connection	/	G3/2	Flange DN80		
Net Weight	kg	450	780	900	
Net Dimensions(L×W×H)	mm	1100×1100×2150	2200×1100×2255		
Packed Dimensions(L×W×H)	mm	1144×1144×2250	2260×1160×2385		

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Clean air. The right temperature.

WMD Company OÜ

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