R290 Monoblock
Heating & Cooling & Hot Water

Heat Pump Water Heater







KEY COMPONENTS



DC INVERTER COMPRESSOR

Compared to AC drive technology, DC inverter speed technology usually modulates control process of the compressor more precisely, thus improving transmission effciency and reducing noise and energy consumption of the compressor.

NOISE REDUCTION TECHNOLOGY

Our heat pump offers offers suspension chassis which can greatly minimize vibration and reduce noise. All-sided of cabinet is fully wrapped with Soundproof sponge material, which can effciently absorb and block out the noise from compressor operation.

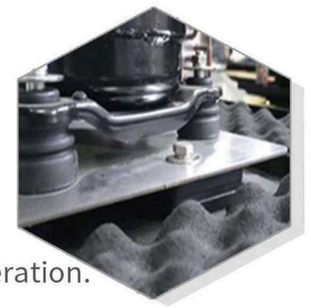




PLATE HEAT EXCHANGER

Thin rectangular channels are formed between various plates, and heat exchange is carried out through the plates, which has the advantage of high heat exchange effciency.

CIRCULATION WATER PUMP

Connect to the water inlet of the machine to make water flow in the pipe which makes our heat pump installation easier.



PRODUCT ADVANTAGE

WIFI CONTROL
Control your Heat Pump from anywhere via iPhone, Android and the Web with APP

LOW NOISE
Heat Pumps operate with market-leading super-low noise levels

HIGH TEMPERATURE
Our heat pump can heat your home quickly

RS485 MODBUS
Our heat pump exposes an RS485 interface for communication with extensions.

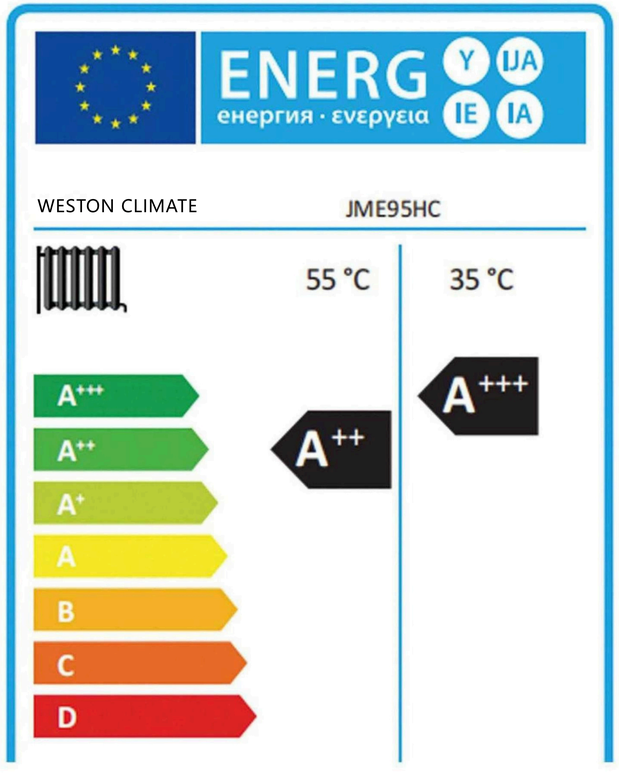
SG READY
Our heat pump support using the Smart grid ready interface

PV READY
With PV ready, our heat pump can connect the PV system

USB FUNCTION
Convenient program upgrade

10 SUPPORT LANGUAGES
Weston Climate is equipped with a user-friendly operation panel, offering support for ten different languages.

ERP LABEL



R290 FULL DC INVERTER Heat Pump has passed the ERP A+++ energy class test of TUV. Its energy efficiency grade can reach A+++ at 35°C. In addition, it has a high SCOP value which ensures the perfect performance and ultra-high energy efficiency of the unit.

TECHNICAL PARAMETER

Model		WESTON-JN-MN-R290-5KW-1F	WESTON-JN-MN-R290-7KW-1F	WESTON-JN-MN-R290-9.5KW-1F	WESTON-JN-MN-R290-12KW-1F	WESTON-JN-MN-R290-15KW-1F	WESTON-JN-MN-R290-22KW-1F
Heating Capacity Range (kW)		1.6-5.4	1.9-7.1	2-9.5	2.8-12	3.5-15	5-22
Heating (A7/6°C W30/35°C)	Heating Capacity (kW)	5.4	7.1	9.3	11.2	14.3	21.1
	Power Input (kW)	1.06	1.48	2.10	2.60	3.31	4.85
	COP	5.09	4.80	4.33	4.31	4.32	4.35
Heating (A-12°C W36/41°C)	Heating Capacity (kW)	2.99	4.40	5.74	7.02	9.06	12.96
	Power Input (kW)	1.09	1.68	2.18	2.68	3.65	5.12
	COP	2.74	2.62	2.63	2.62	2.48	2.53
Cooling (A35/24°C W23/18°C)	Cooling Capacity (kW)	3.45	4.52	5.68	8.89	9.91	15.03
	Power Input (kW)	1.23	1.71	2.02	3.34	4.01	5.29
	EER	2.80	2.64	2.81	2.66	2.47	2.84
Max Power Input (kW)		1.8	2.7	3.5	3.9	4.9	7.3
Max Current (A)		8.6	12.9	16.7	18.7	23.5	34.9
Power Supply		220~240V/50HZ/60HZ					
Operating Air Temp.(°C)		-35~43					
Max.Outlet Water Temp(°C)		75					
Compressor Brand		GMCC(ROTARY)				HIGHLY(ROTARY)	
Noise Level at 1m dB(A)		44	45	46	48	52	55

Model		WESTON-JN-MN-R290-9.5KW-3F	WESTON-JN-MN-R290-12KW-3F	WESTON-JN-MN-R290-15KW-3F	WESTON-JN-MN-R290-22KW-3F
Heating Capacity Range (kW)		2-9.5	2.8-11.5	3.5-15.2	5-22
Heating (A7/6°C W30/35°C)	Heating Capacity (kW)	9.3	11.2	14.3	21.1
	Power Input (kW)	2.10	2.60	3.31	4.85
	COP	4.33	4.31	4.32	4.35
Heating (A-12°C W36/41°C)	Heating Capacity (kW)	5.74	7.02	9.06	12.96
	Power Input (kW)	2.18	2.68	3.65	5.12
	COP	2.63	2.62	2.48	2.53
Cooling (A35/24°C W23/18°C)	Cooling Capacity (kW)	5.68	8.89	9.91	15.03
	Power Input (kW)	2.02	3.34	4.01	5.29
	EER	2.81	2.66	2.47	2.84
Max Power Input (kW)		3.5	3.9	4.9	7.3
Max Current (A)		6.3	6.9	8.8	13.1
Power Supply		380~415V/50HZ/60HZ			
Operating Air Temp.(°C)		-35~43			
Max.Outlet Water Temp(°C)		75			
Compressor Brand		GMCC(ROTARY)		HIGHLY(ROTARY)	
Noise Level at 1m dB(A)		46	48	52	55