R290

Monobloc Heating Cooling & DHW Heat Pump

Low Noise Operation

This inverter heat pump features a **4.3** color touchscreen, displaying real-time energy data. Multi-language support ensures global user convenience.

Shinhoo Circulation Pump

Built-in water pump

Plate Heat Exchanger

20% higher heat Exchange efficiency

GMCC Compressor

High efficiency and Energy saving

Deaerator

Add a deaerator to remove circulating air and microbubbles and prevent refrigerant from entering the room.

KEY COMPONENTS

Model		JME50HC	JME70HC	JME95HC/ JME95HC3N	JME120HC/ JME120HC3N	JME150HC/ JME150HC3N	JME220HC/ JME220HC3N
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℃ W30/35℃)	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	4.43	4.31	4.32	4.35
Heating (A-12℃ W36/41℃)	Heating Capacity (kW)	2.99	4.4	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℃ W23/18℃)	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 / 6.3	18.7 / 6.9	23.5 / 8.8	34.9 / 13.1
Power Supply		220V~240V (380V~415V) - 50Hz/60Hz					
Operating Air Temp.(℃)		-25~43					
Max.Outlet Water Temp(℃)		75					
Refrigerant		R290					
Fan Quantity		1					2
Compressor Brand		GMCC (Rotary)				HIGHLY (Rotary)	
Circulating pump		Inverter type / Built-in					
Heat Exchanger		Plate heat exchanger					
Casing Material		Galvanized Sheet					
Water Pipe Connection (inch)		G3/4"(female thread)		G1"(female thread)			
Noise Level at 1m dB(A)		44	45	46	48	52	55
Water Flow (m^3/h)		0.9	1.2	1.5	2.06	2.6	3.78
Water Pressure Drop (kPa)		11	12	14	14	16	20
Min/Max heating water pressure (bar)		2.0/10.0					
Net Dimensions (L/W/H) mm		1110/470/660	1110/470/660	1205/475/815	1205/475/815	1205/475/965	1205/475/1365
Package Dimensions (L/W/H) mm		1160/555/810	1160/555/810	1270/560/960	1270/560/960	1270/560/1110	1270/560/1510

	DESCRIPTION	PURPOSE
WIRE CONNECTION	New wire outlet are on the rear plate.	More neat and beautiful appearance.
WATER INLET & WATER OUTLET	Water inlet and outlet are in the same horizontal position on rear plate.	More convenient installation
WATER TRAY	Add water tray at chassis plate to realize the centralized condensate drainage.	More convenient installation
INTERNAL STRUCTURE	Change to use new globe valve with better leakproofness to prevent refrigerant leakage.	Improve safety performance.
	Add safety decompression valves to prevent excessive pressure.	Improve safety performance.
	Add deaerator to effectively and timely remove all circulating air and microbubbles from water system of heat pump to prevent refrigerant from entering room indoor.	Improve safety performance.
	Add gas-liquid separator to prevent compressor from returning oil and liquid.	Improve product reliability.

SMART GRID AND PV READY

Equipped with the smart grid communication interface, JNOD heat pump can respond to grid signals automatically, adjust the operation flexibly, greatly optimizing the efficiency and cost of energy use. With PV ready interface, our heat pump can connect the PV system and use electricity from solar, controlled by Home Engergy Manager/Smart Meter to maxmize the use of engergy from PV.

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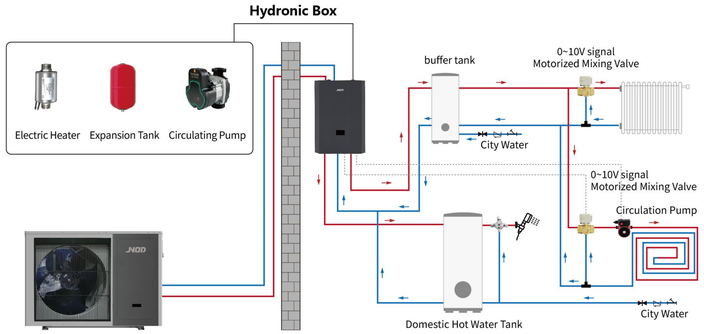
R290 Refrigerant | A+++ Energy Efficiency | > dB Low Noise | 75℃ Outlet | SG Ready Smart Heat Pumps