

R290 MONOBLOC DC INVERTER AIR TO WATER HEAT PUMP

**R290****-35°C**

The industry-leading DC inverter compressor with EVI technology ensures the operation at -35 degrees properly.

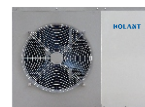


Powerful heating at extremely low temperatures for winter heating/hot water needs in ultra-cold areas



The integrated design of the product, using a number of noise reduction technologies such as silent fans, makes the mainframe run very quietly

SPECIFICATIONS



Model name			RJ-60H/N9-BPR	RJ-80H/N9-BPR	RJ-100H/N9-BPR	RJ-130H/N9-BPR
Power supply		V/Ph/H	220V / 50Hz			
Heating A 7/6℃ W 30/35℃	Capacity	kW	5.57	7.83	12.56	15.80
	Rated input	kW	1.19	1.69	2.68	3.44
	COP		4.61	4.61	4.68	4.59
Heating A 7/6℃ W 40/45℃	Capacity	kW	5.24	7.52	11.53	14.50
	Rated input	kW	1.31	1.88	2.86	3.65
	COP		3.97	3.97	4.01	3.97
Heating A 7/6℃ W 50/55℃	Capacity	kW	4.76	6.79	10.48	13.18
	Rated input	kW	1.58	2.23	3.39	4.36
	COP		3.04	3.05	3.09	3.02
Heating A -7/-8℃ W 30/35℃	Capacity	kW	4.33	6.13	9.44	11.85
	Rated input		1.35	1.92	2.92	3.73
	COP	kW	3.17	3.18	3.22	3.17
Heating A -7/-8℃ W 50/55℃	Capacity	kW	3.76	5.35	8.26	10.39
	Rated input	kW	1.75	2.51	3.79	4.95
	COP		2.11	2.11	2.16	2.10
Heating A -12/-14℃ W 36/41℃	Capacity	kW	3.72	5.33	8.23	10.35
	Rated input	kW	1.45	2.07	3.14	4.01
	COP		2.56	2.56	2.61	2.58
Heating A -20/-℃ W -/41℃	Capacity	kW	3.33	4.68	7.19	9.04
	Rated input	kW	1.53	2.14	3.22	4.13
	COP		2.17	2.18	2.23	2.19
Cooling A 35/24℃ W 12/7℃	Capacity	kW	3.99	5.62	8.59	10.80
	Rated input	kW	1.36	1.89	2.91	3.71
	EER		2.93	2.95	2.95	2.91
Seasonal space heating energy efficiency class	LWT at 35℃		A+++	A+++	A+++	A+++
	LWT at 55℃		A++	A++	A++	A++
	LWT at 35℃		4.66	4.68	4.75	4.66
SCOP	LWT at 55℃		4.03	4.06	4.12	4.01
	LWT at 7℃		4.35	4.36	4.39	4.27
MOP(Maximum overcurrent protection)	A		7.5	10.5	15.9	15.9
Water pressure drop	kPa		45	45	45	45
Refrigerant system pressure (Max. / Min.)			2.8 MPa/1.5MPa			
Refrigerant	Type		R290	R290	R290	R290
	Charged	kg	0.5	0.8	1.3	1.5
Compressor	Type		DC inverter			
	Brand		Panasonic			
	Model		WHP055	WHP076	WHP102	WHP133
	Quantity		1	1	1	1
	Capacity	kW	5.35	7.47	10.02	13.30
	Input	kW	1.15	1.58	2.15	2.86
Outdoor fan	Oil type / charged (ml)		HAF68/600	HAF68/840	HAF68/840	HAF68/1150
	Motor type		Brushless DC motor			
	Number of fans		1	1	1	1
Air side heat exchanger	Material		Fin copper tube			
	Rows		2	2	2	2
	Tube size	mm	Φ7	Φ7	Φ7	Φ7
Fan motor	Fan type		Axial Fan			
	Motor type		Brushless DC motor			
	Motor Quantity		1	1	1	2
Throttle type	Speed	rpm	300~1000			
			Electronic expansion valve			
Water side heat-exchanger			Plate heat exchanger			
Sound power level		dB	48	50	53	55
Water resistance			IPX4			
Water pipe connection	Inlet	mm	DN25(1")	DN25(1")	DN25(1")	DN25(1")
	Outlet	mm	DN25(1")	DN25(1")	DN25(1")	DN25(1")
Net/Gross weight	Net	kg	53	68	105	126
Dimension (L×H×D)	Net	mm	1120×430×750mm	1120×430×850mm	1120×430×1050mm	1120×430×1250mm
	Packing	mm	1140×500×880mm	1140×500×980mm	1140×500×1180mm	1140×500×1380mm
	Cooling	℃	- 5 to 43			
Operating temperature	Heating	℃	- 25 to 35			
	DHW	℃	-25 to 43			