

The Power of **Hisa** - R290

Air source heat pumps

- // Monobloc Sizes 6kW, 8kW, 12kW & 18kW
- // Inverter driven technology
- // Heat water up to 75°
- // Suitable for UFH and radiators
- // Wi-Fi & remote monitoring as standard
- // A+++ Energy Efficiency Class
- // 10-year manufacturer warranty*



Data Sheet



Model	Unit	HR290-006-1PH	HR290-008-1PH	HR290-012-1PH	HR290-018-1PH
Power Supply	/	220-240~/50Hz			
Test Standard: EN14511 Ambient Temperature:7°C/6°C(DB/WB),Water Inlet/Outlet: 30°C/35°C					
Heating Capacity Min./Max	kW	2.92-9.10	4.10-12.10	4.30-15.20	7.24-21.90
Power Input Min./Max	kW	0.61-2.11	0.79-2.85	0.87-3.73	1.50-5.88
Rated Heating Capacity	kW	6.23	8.24	12.05	18.01
COP	/	4.77	4.96	4.62	4.4
Test Standard: EN14511 Ambient Temperature:7°C/6°C(DB/WB),Water Inlet/Outlet: 47°C/55°C					
Heating Capacity Min./Max	kW	2.99-8.16	4.05-12.15	4.25-14.55	6.36-19.45
Power Input Min./Max	kW	1.03-2.92	1.38-4.06	1.45-4.28	2.15-6.87
Rated Heating Capacity	kW	6.12	8.13	12.18	18
COP	/	3.06	3.12	3.01	3.02
Test Standard:EN14825-2022 Low temperature application(35°C)					
SCOP	/	4.83	4.93	4.77	4.81
Energy Efficiency Class	/	A+++	A+++	A+++	A+++
Test Standard:EN14825-2022 Medium temperature application(55°C)					
SCOP	/	3.71	3.72	3.77	3.72
Energy Efficiency Class	/	A++	A++	A++	A++
Operation Mode: Heating					
Operating Range	°C	-25~35			
Water Outlet Temp. Range	°C	20~75			
Operation Mode: DHW					
Operating Range	°C	-25~45			
Water Outlet Temp. Range	°C	20~65			
Test Standard:EN12102-2022 Ambient Temperature:7°C,Water Outlet: 35°C					
Sound Pressure Level	dB(A)	46	43	52	54
Sound Power Level	dB(A)	60	58	67	70
Test Standard:EN12102-2022 Ambient Temperature:7°C,Water Outlet: 55°C					
Sound Pressure Level	dB(A)	46	43	53	54
Sound Power Level	dB(A)	60	58	68	70
Power Input Max.	kW	3.5	5.4	5.4	7.5
Current Input Max.	A	15	25	25	35
Refrigerant Type	/	R290			
Operation Pressure (Low Pressure Side)	MPa	0.8			
Operation Pressure (High Pressure Side)	MPa	3.9			
Maximum Allowable Pressure	MPa	3.2			
Water Piping Connections	Inch	G1"			G1-1/4"
Expansion Tank	L	6			8
Water Pressure Drop	kPa	20			55
Water Pressure Min/Max	MPa	0.1/0.3			
Water Flow Rated	m³/h	1	2.06	2.06	3.1
Net Weight	Kg	110	134	134	195
Unit Dimensions (L x D x H)	mm	1187 x 418 x 805	1287 x 448 x 904	1287 x 448 x 904	1187 x 488 x 1455
Note: Parameters are subject to change without prior notice. Please refer to the unit nameplate.					

// HISA®

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