

**(EN) 5.2 Product specifications**

Product		HE-AI-290-06	HE-AI-290-09	HE-AI-290-12	HE-AI-290-12	HE-AI-290-16	HE-AI-290-16	HE-AI-290-19	HE-AI-290-22	HE-AI-290-30	
Rated Voltage / Frequency	Volt/Hz	230 / 50	230 / 50	230 / 50	400 / 50	230 / 50	400 / 50	400 / 50	400 / 50	400 / 50	
Heating (A7°C/6°C,W30°C/35°C)											
Heating Capacity	kW	6,40	9,15	12,20	12,20	16,00	16,00	19,00	22,00	30,00	
Power Input	kW	1,33	2,03	2,72	2,72	3,41	3,41	4,20	5,20	7,14	
COP	/	4,81	4,50	4,48	4,48	4,69	4,69	4,52	4,23	4,20	
Heating (A7°C/6°C,W47°C/55°C)											
Heating Capacity	kW	5,50	8,12	10,65	10,65	13,60	13,60	18,00	19,00	25,00	
Power Input	kW	1,70	2,66	3,51	3,51	4,41	4,41	6,10	6,45	8,33	
COP	/	3,23	3,05	3,03	3,03	3,08	3,08	2,95	2,95	3,00	
Cooling (A35°C/24°C,W12°C/7°C)											
Cooling Capacity	kW	5,20	6,80	9,40	9,40	13,20	13,20	14,19	16,03	20,00	
Power Input	kW	1,38	2,28	3,16	3,16	4,22	4,22	4,69	5,50	7,69	
EER	/	3,76	2,98	2,97	2,97	3,13	3,13	3,03	2,91	2,60	
Cooling (A35°C/24°C,W23°C/18°C)											
Cooling Capacity	kW	6,25	8,85	10,80	10,80	14,85	14,85	15,50	17,00	25,00	
Power Input	kW	1,42	2,28	2,88	2,88	3,97	3,97	4,65	5,67	8,33	
EER	/	4,40	3,88	3,75	3,75	3,74	3,74	3,33	3,00	3,00	
Heating mode(Low temperature application)											
Water outlet at 35°C	ηs,h(%)	187,2	185,6	190,0	185,8	189,6	185,1	183,4	184,7	/	
	Class	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	
	SCOP (Average)	4,75	4,72	4,83	4,72	4,82	4,70	4,66	4,69	/	
Heating mode(Medium temperature application)											
Water outlet at 55°C	ηs,h(%)	142,0	143,1	141,2	137,4	142,0	141,1	141,3	139,8	/	
	Class	A++	A++	A++	A++	A++	A++	A++	A++	A++	
	SCOP (Average)	3,63	3,65	3,60	3,51	3,62	3,60	3,61	3,57	/	
Max. Power Input	kW	2,76	3,15	3,75	3,75	6,21	6,21	7,40	8,00	11,00	
Max. Running Current	A	12,0	13,7	17,0	5,7	27,0	9,4	11,2	12,2	19,66	
Water temperature setting range											
Cooling Mode	°C	7~25									
Heating Mode	°C	25~75									
DHW Mode	°C	25~70									
Outdoor air temperature range											
Cooling Mode	°C	10~45									
Heating / DHW Mode	°C	-25~45									
Rated Water Flow	m³/h	1,10	1,57	2,10	2,10	2,75	2,75	3,27	3,78	5,16	
Water Pressure Drop	kPa	22	40	50	50	60	60	60	60	40	
Max Water Pump Lift	m	8	8	9	9	9	9	9	12,5	12,5	
Compressor Type/ Brand	/	Rotary/GMCC									Scroll /GMCC
Water Side Heat Exchanger	/	Plate Heat Exchanger									
Circulating Pump Brand	/	Grundfos									
Air Side Heat Exchanger	/	Tube-fin Heat Exchanger									
Display	/	Colored Touch Screen									
Wi-Fi Function	/	Yes									
Expansion Tank	L	5	5	5	5	5	5	5	5	5	
Electricity Shock Proof	/	I									
Refrigerant	/	R290									
Sound Pressure Level at 1m	dB(A)	51	54	54	54	56	56	58	60	65	
Connection of water inlet&outlet	inch	G1"	G1"	G1"	G1"	G1.25"	G1.25"	G1.25"	G1.25"	G1.25"	
Water Proof Class	/	IPX4									
Net /Gross Weight	kg	90/104	98/112	110/125	112/127	132/148	132/148	145/163	150/168	220/235	
Net Dimension (L×W×H)	mm	1115×415×90 0	1115×415×90 0	1115×415×90 0	1115×415×90 0	1115×415×132 20	1115×415×132 20	1115×415×132 20	1115×415×132 20	1115×448×154 42	
Packing Dimension (L×W×H)	mm	1155×500×103 35	1155×500×103 35	1155×500×112 20	1155×500×112 20	1155×500×142 60	1155×500×142 60	1155×500×142 60	1155×500×142 60	1155×535×154 70	