






## R290 Air Source All Electric Heat Pump

<b>Features:</b> - R290 refrigerant gas - Energy Class: A+++ - Heating+Cooling +Hot Water - Full DC inverter compressor and fan motor - Max outlet temperature: 75°C - Wifi smart control - Inverter water pump inside. - Modbus RS485					
<b>Model:</b>	Product Code	TS-HP12-290M-VS01 12 kW R290 Mono Phase	TS-HP12-290T-VS01 12 kW R290 Three Phase	TS-HP18-290T-VS01 18 kW R290 Three Phase	
Loading qty. of 20GP/40GP/40HQ	Units	40/80/80	40/80/80	17/37/37	
Power Supply	V/Ph/Hz	220-240~/ 50Hz	380~415V/3N~/ 50Hz	380~415V / 3N / 50Hz	
Nominal Heating (Max) (A7/6°C,W30/35°C)	Heating Capacity	kW	4.30 ~ 15.20	4.30 ~ 15.20	7.24 ~ 21.90
	Power Input	kW	0.87 ~ 3.73	0.87 ~ 3.73	1.50 ~ 5.88
	Current Input	A	4.02 ~ 16.38	1.78 ~ 6.04	2.82 ~ 9.16
	COP	W/W	4.07 ~ 5.57	4.07 ~ 5.57	3.82 ~ 5.59
Nominal Heating (Max) (A7/6°C,W47/55°C)	Heating Capacity	kW	4.25 ~ 14.55	4.25 ~ 14.55	6.36 ~ 19.45
	Power Input	kW	1.45 ~ 4.28	1.45 ~ 4.28	2.15 ~ 6.85
	Current Input	A	6.71 ~ 18.80	2.84 ~ 6.78	3.71 ~ 10.60
	COP	W/W	2.83 ~ 3.45	2.83 ~ 3.45	2.84 ~ 3.57
Nominal Cooling (Max) (A35/24°C,W12/7°C)	Cooling Capacity	kW	3.65 ~ 11.04	3.65 ~ 11.04	4.55 ~ 17.20
	Input Power	kW	1.12~3.97	1.12 ~ 3.97	1.85 ~ 7.31
	Input Current	A	5.18~17.44	1.97 ~ 6.30	2.99 ~ 11.26
ERP Level (Outlet water temp. at 35°C)	/	A+++	A+++	A+++	
Rated Input Power	kW	5,4	5,85	10,5	
Rated Input Current	A	25	10,0	17,0	
Refrigerant Type / Charge / GWP	... / kg	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.4 / 3	
Rated water flow	m³/h	2,06	2,06	3,1	
Fan quantity	/	1	1	2	
Fan motor type	/	DC inverter			
Compressor	/	DC inverter			
Circulating pump	/	Inverter type / Built-in			
IP Class	/	IPX4			
Sound pressure at 1m distance	dB(A)	53	54	56	
Max. outlet water Temp.	°C	75	75	75	
Water Piping Connections	inch	G1	G1	G1 - 1 / 4	
Water Pressure Drop	kPa	20	20	55	
Operating temperature range (Heating mode)	°C	-25~45			
Operating temperature range (Cooling mode)	°C	16~45			
Unpacked Dimensions ( L×D×H )	mm	1287*448*904	1287*448*904	1187*488*1456	
Packed Dimensions ( L×D×H )	mm	1317*493*1020	1317*493*1020	1217*538*1570	
UnPacked Weight	kg	134	134	195	
Packed Weight	kg	139	139	200	
 Rijksdienst voor Ondernemend Nederland	Code	KA26171	KA26172	KA26170	

Certifications

