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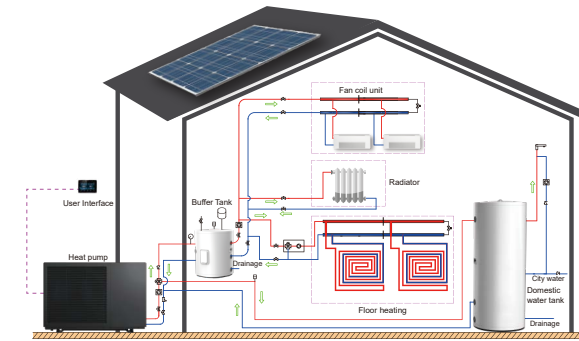
R290 MONOBLOCK HEAT PUMP VITO HYPER THERM SERIES - 75°C - A+++

Heating / Cooling / DHW / DC Inverter / Residential Type



Features

- R290 refrigerant, low GWP (GWP=3)
- Energy class: A+++
- Stable operation at -25°C
- Outlet water temperature up to 75°C
- Power Detection Function
- SG-READY Function
- 5-Inch TFT True Color Screen
- 5G/2.4G Compatible WIFI Module
- Dual Temperature Zone
- Reserved RS485 Communication Port
- Linkage Control with PV Function



Heat Pumps in Action: Various Application Scenarios

T E C H N I C A L D A T A

Model		HYPER THERM 9.1S	HYPER THERM12.1S	HYPER THERM12.1T	HYPER THERM 15.2S	HYPER THERM 15.2T	HYPER THERM 21.9S	HYPER THERM 21.9T
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50	220-240/1/50	380-415/3/50
Nominal Heating (Max) (A7/6°C, W30/35°C)	Heating capacity	kW 2.92 - 9.10	4.10-12.10	4.10-12.10	4.30 - 15.20	4.30 - 15.20	7.24 - 21.90	7.24 - 21.90
	Power input	kW 0.61 - 2.11	0.79-2.85	0.79-2.85	0.87 - 3.73	0.87 - 3.73	1.50 - 5.88	1.50 - 5.88
	Current input	A 2.80 - 9.25	3.45-13.04	1.62-4.57	4.02 - 16.38	1.78 - 6.04	6.86 - 30.25	2.82 - 9.16
	COP	W/W 4.31 - 5.66	4.24-5.57	4.24-5.57	4.07 - 5.57	4.07 - 5.57	3.82 - 5.59	3.82 - 5.59
Nominal Heating (Max) (A7/6°C, W47/55°C)	Heating capacity	kW 2.99-8.16	4.05-12.15	4.05-12.15	4.25 - 14.55	4.25 - 14.55	6.36 - 19.45	6.36 - 19.45
	Power input	kW 1.03-2.92	1.38-4.06	1.38-4.06	1.45 - 4.28	1.45 - 4.28	2.15 - 6.85	2.15 - 6.85
	Current input	A 4.57-12.79	5.73-17.70	2.70-6.43	6.71 - 18.80	2.84 - 6.78	9.84 - 30.12	3.71 - 10.60
	COP	W/W 2.79 - 3.46	2.99-3.45	2.99-3.45	2.83 - 3.45	2.83 - 3.45	2.84 - 3.57	2.84 - 3.57
Nominal Cooling (Max) (A35/24°C, W12/7°C)	Cooling capacity	kW 1.38-5.70	3.65-8.59	3.65-8.59	3.65 - 11.04	3.65 - 11.04	4.55 - 17.20	4.55 - 17.20
	Power input	kW 0.67-2.44	1.12-3.31	1.12-3.31	1.12 - 3.97	1.12 - 3.97	1.85 - 7.31	1.85 - 7.31
	Current input	A 3.06-10.27	5.18-14.47	1.97-5.25	5.18-17.44	1.97 - 6.30	8.47 - 32.1	2.99 - 11.26
	COP	W/W 2.07 - 2.39	3.31-7.70	3.31-7.70	3.24 - 3.66	3.24 - 3.66	2.72 - 3.11	3.31-7.70
ERP level (outlet water temp. at 35°C)	/	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Max. input power	kW	3.5	5.40	5.85	5.40	5.85	7.5	10.5
Max. input current	A	15.0	25.0	10.0	25.0	10.0	35.0	17.0
Refrigerant Type / Charge / GWP	... / kg	R290 / 0.55 / 3	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.05 / 3	R290 / 1.4 / 3	R290 / 1.4 / 3
Rated water flow	m³/h	1.00	1.4	1.4	2.06	2.06	3.1	3.1
Fan quantity	/	1	1	1	1	1	2	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)	46	43	43	53	54	56	56
Max outlet water temperature	°C	75	75	75	75	75	75	75
Water piping connections	/	G1	G1	G1	G1	G1	G1 - 1 / 4	G1 - 1 / 4
Water Pressure drop	kPa	20	20	20	20	20	55	55
Operating temperature range (heating mode)	°C	-25 - 45						
Operating temperature range (cooling mode)	°C	16 - 45						
Unpacked dimensions (L*D*H)	mm	1187*418*805	1287*448*904	1287*448*904	1287*448*904	1287*448*904	1187*488*1456	1187*488*1456
Packed dimensions (L*D*H)	mm	1217*463*920	1317*493*1020	1317*493*1020	1317*493*1020	1317*493*1020	1217*538*1570	1217*538*1570
UnPacked weight	kg	110	134	134	134	134	195	195
Packed weight	kg	122	146	146	146	146	208	208