

THE BEST HEATING BY EVEREST BASE CAMP



HYPER THERM SERIES

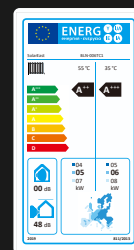


R290
HEATING & COOLING & DHW
MONOBLOCK
DC INVERTER
HEAT PUMP

2024



SIZING GUIDE.



Model			Hyper Therm 12.1S	Hyper Therm 15.2S	Hyper Therm 21.9S	Hyper Therm 15.2T	Hyper Therm 21.9T
Rated voltage / Frequency			220-240V~ / 50/60Hz	220-240V~ / 50/60Hz	220-240V~ / 50/60Hz	380-415V/3N~/50/60Hz	380-415V/3N~/50/60Hz
Heating ¹	Capacity	kW	4.10 -12.10	4.30-15.20	7.24-21.90	4.30-15.20	7.24-21.90
	Input Power	kW	0.79 -2.85	0.87-3.73	1.50-5.88	0.87-3.73	1.50-5.88
	Input Current	A	3.45-13.04	4.02-16.38	6.86-30.25	1.78-6.04	2.82-9.16
Heating ²	Capacity	kW	4.05-12.15	4.25-14.55	6.36-19.45	4.25-14.55	6.36-19.45
	Input Power	kW	1.38-4.06	1.45-4.28	2.15-6.85	1.45-4.28	2.15-6.85
	Input Current	A	5.73-17.70	6.71-18.80	9.84-30.12	2.84-6.78	3.71-10.60
Cooling	Capacity	kW	3.65-8.59	3.65-11.04	4.55-17.20	3.65-11.04	4.55-17.20
	Input Power	kW	1.12-3.31	1.12-3.97	1.85-7.31	1.12-3.97	1.85-7.31
	Input Current	A	5.18-14.47	5.18-17.44	8.47-32.1	1.97-6.30	2.99-11.26
SCOP (Water Temp. At 35°C)			4.98	4.90	4.91	4.90	4.93
SCOP (Water Temp. At 55°C)			3.84	3.86	3.94	3.86	3.93
Rated Input Power		kW	3.5	5.40	7.50	5.85	10.5
Rated Input Current		A	15.0	25.0	35.0	10.0	17.0
Refrigerant Type/Charge/GWP		.../kg	R290/0.55/3	R290/0.90/3	R290/1.4/3	R290/0.90/3	R290/1.4/3
CO ₂ Equivalent		/	0.0017t	0.0027t	0.0042t	0.0027t	0.0042t
Operation Pressure(Low Side)		MPa	0.8	0.8	0.8	0.8	0.8
Operation Pressure(High Side)		MPa	3.0	3.0	3.0	3.0	3.0
Maximum Allowable Pressure		MPa	3.0	3.0	3.0	3.0	3.0
Electrical Shockproof		/	I	I	I	I	I
IP Class		/	IPX4	IPX4	IPX4	IPX4	IPX4
Max. Outlet Water Temp.		°C	75	75	75	75	75
Operating Ambient Temperature		°C	-25~45	-25~45	-25~45	-25~45	-25~45
Water Piping Connections		inch	G1	G1	G1-1/4	G1	G1-1/4
Rated Water Flow		m ³ /h	1.0	2.06	3.10	2.06	3.1
Water Pressure Drop		kPa	20	20	55	20	55
Min/Max Water Pressure		MPa	0.1/0.3	0.1/0.3	0.1/0.3	0.1/0.3	0.1/0.3
Noise Level		dB(A)	46	50	55	50	55
Net Dimensions (L×W×H)		mm	1187×418×805	1287×448×904	1187×488×1456	1287×448×904	1187×488×1456
Packed Dimensions (L×W×H)		mm	1217*463*920	1317*493*1020	1317*538*1570	1317*493*1020	1217*538*1570
Net Weight		kg	110	110	145	110	145
Gross Weight		kg	122	125	160	125	160

Rated Test Conditions:

Heating¹: Ambient Temp 7°C/6°C(DB/WB),Water-In/Out Temp 30°C/35°C Heating²: Ambient Temp 7°C/6°C(DB/WB),Water-In/Out Temp 47°C/55°C Cooling: Ambient Temp 35°C/24°C(DB/WB),Water-In/Out Temp 12°C/7°C

HOW THE SYSTEM WORKS.

VITO Hyper Therm 15S

ADVANTAGES



Stable running at -25°C

Panasonic EVI direct current inverter compressor good running at ultra-low temperature environment



Convenient IOT

Free WI-FI, intelligent control any time, anywhere.



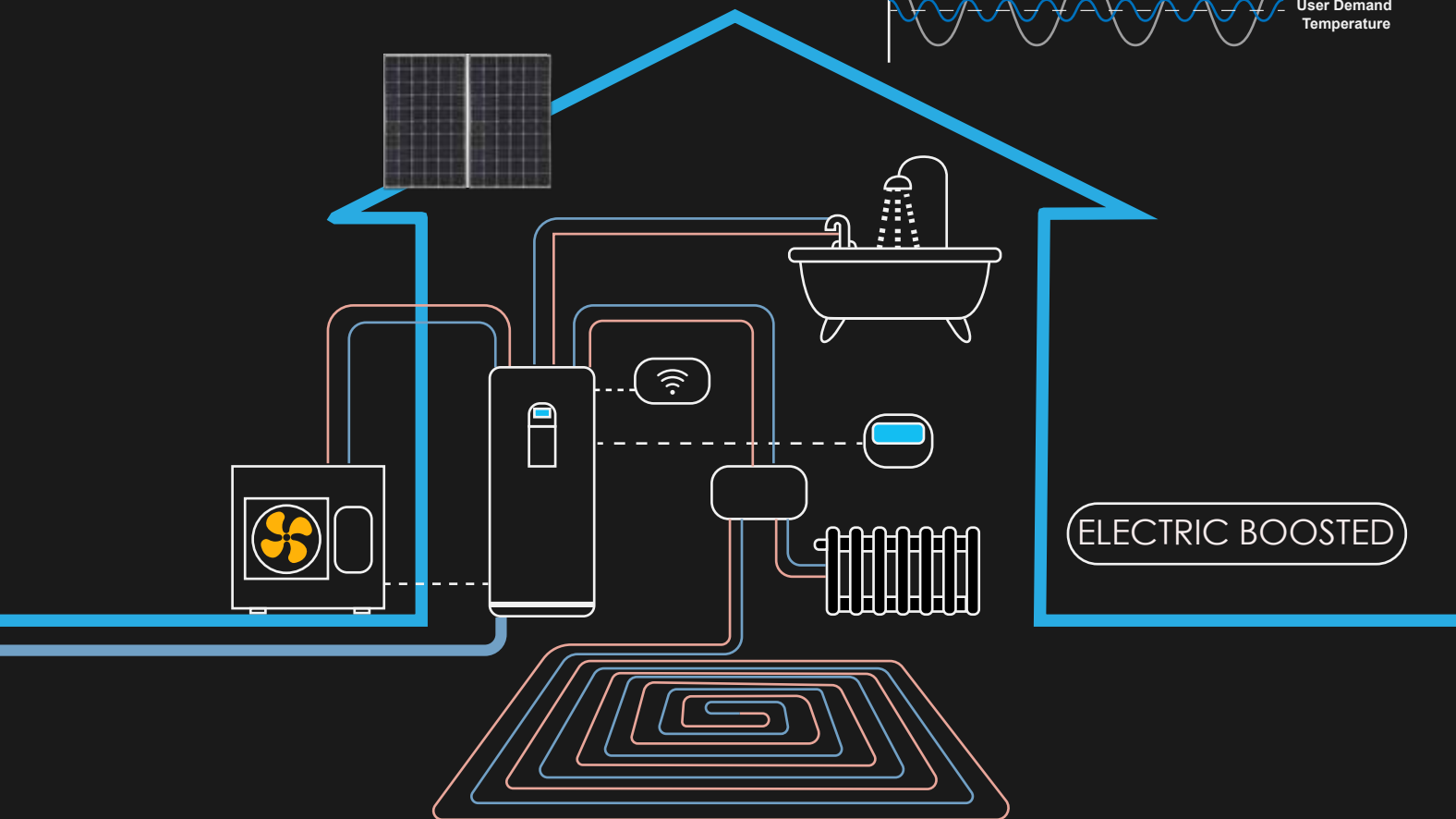
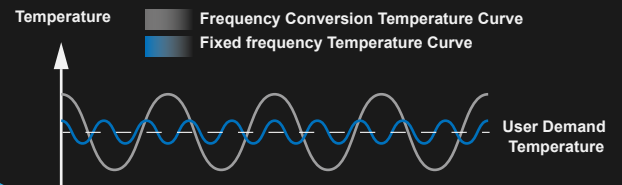
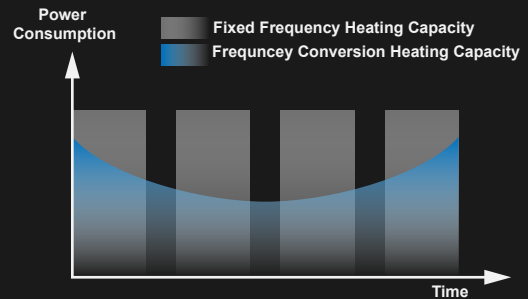
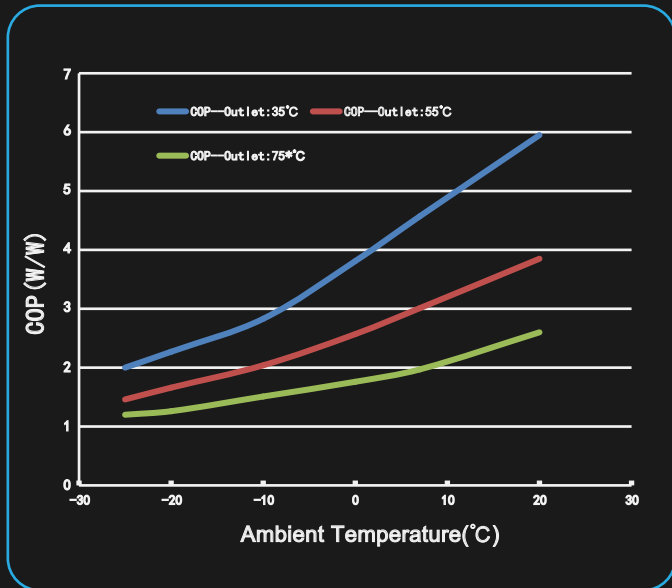
R290

A new generation non-toxic refrigerants with energy-saving, carbon reducing and environment-friendly. No harm to ozone layer, slow down global warming.

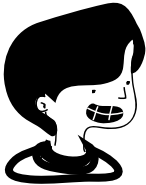


Quiet

Ultra low noise, enjoy the comfortable environment



REVIEWS



Great product! High temperature hot water!



Heat pump can meet the domestic water demand of 75 C, 35 C A+++, 55 C A++

Color screen controller, looks very high-end.



4 and 5-inch color screen TFT-LCD controllers, 8 operating modes can provide settings for different usage requirements, and provide multi-language options.



It can be used with my photovoltaic, solar thermal and gas boiler system!



Heat pump can be intelligently connected to the power grid, select the most economical power consumption method according to different signals, and display power consumption detection and display. The solar thermal and the heat pump are used as the heat source of the system at the same time, and the heat pump controls the gas boiler through the control port.

There are many rooms in my house, and the heating temperature can be set higher for the elderly and baby rooms



4 and 5-inch color screen TFT-LCD controllers, 8 operating modes can provide settings for different usage requirements, and provide multi-language options.



My supermarket has a large area, and I have used 5 cascades, and there is hot water when it is turned on, very good effect!



The cascade combination of multiple heat pumps can meet greater capacity requirements. 16 heat pumps can be cascaded, and the cascade output capacity adjustment can be realized according to the load demand. It also has zero cold water function, instant heating.

As a dealer, I can sit in the office and monitor the working conditions of each heat pump. Once a problem occurs, I can find it on the mobile phone.



Through the wifi module or 4G module, the working status of the heat pump can be monitored at any time anywhere in the world.



FEATURES.

Top-level DC Inverter Compressor

EVI technology and automatical switch into heating or cooling working mode according to the ambient temperature, stable running at -30°C.



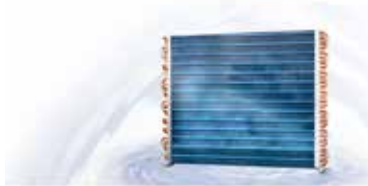
Danfoss Heat Exchanger

Patented "chocolate" diverges area technology, high heat exchange.



High-end Finned Tube Exchanger

Specific hydrophilic coating, not easy to accumulate water and ash. Rapid elimination of the moisture, greatly improve the heating efficiency.



S.P.D Smart Defrosting Technology



High End Refined Display

Optional high-end color display screen to better reflect excellent quality.



DC Inverter Motor

Automatic variable-speed control, Little vibration, low noise, low energy.

