

WORKS UPTO
-30°
CELSIUS



EVI HEAT PUMPS

EVI stands for 'Enhanced Vapor Injection' and it's a technology used in colder climate regions, in order to achieve higher performance at lower temperatures. An EVI Heat Pump uses a third smaller internal plate heat exchanger called an "Economiser" within the refrigeration cycle. By utilizing a bypass valve with which some of the hot refrigerant vapor on the condenser is bypassed to a HX which combines with the colder gas on the evaporator expansion side. The heat energy is transferred raising the gas temperature even further, which is then injected at mid-range pressure into the heat of the scroll compressor through a separate vapor injection port. Using EVI Heat pump technology, we can overcome the limitation of maximum flow.

Being the smart heat pump, it perfectly combines eco-friendly refrigerant and inverter EVI technology to produce efficient house heating even under extreme cold climate. EVI Heat pump technology increases the performance efficiency by 27-30%.

Schools



Hotels



Hospitals



EVI - HEAT PUMP TECHNICAL SPECIFICATIONS					
Model Number	ST-HP-EVI-11	ST-HP-EVI-19	ST-HP-EVI-38	ST-HP-EVI-55	ST-HP-EVI-110
Heating Capacity (20 Degrees C)	11 kW	19 kW	38 kW	55 kW	110 KW
Rated Power (20 Degrees C)	2.81 kW	4.82 kW	8.9 kW	12.2 kW	24.9 kW
COP (20 Degrees C)	3.91	3.94	4.1	4.3	4.4
Rated Heated Water Output (20 Degrees C)	225 - 240 L / hr	390 - 410 L / hr	780 - 800 L / hr	1150 - 1200 L / hr	2350-2400 L /hr
Heating Capacity (0 to 7 Degrees C)	8.9 kW	14.4 kW	30.2 kW	45 kW	88.5 kW
Rated Power (0 to 7 Degrees C)	2.75 kW	4.65 kW	9 kW	12.4 kW	24.5 kW
COP (0 to 7 Degrees C)	3.23	3.09	3.36	3.62	3.61
Rated Heated Water Output (0 to 7 Degrees C)	165 - 175 L / hr	270 - 290 L / hr	580 - 600 L / hr	850 - 875 L / hr	1700 - 1750 L/hr
Power Supply	220 V / 50 Hz	380 V , 3 Phase - 50 Hz			
IP Grade (level of Protection)	IP X 4				
Compressor Make	Copeland				
Compressor Quantity	1	1	2	1	2
Refrigerant	R 410 A				
Working Ambient Temp.	(-) 30 to (+) 45 Degrees C				
Noise (db(A))	<= 55	<= 55	<= 60	<= 60	<= 60
Rated Water Circulation	1.75 m3 / h	3.06 m3 / h	6.12 m3 / h	9.1 m3 / h	18.58 m3 / h
Diameter of Connection (In / Out)	3/4 "	1 "	1.5 "	1.5 "	DN 65 (flange)
Product Size	L 810 * W 695 * H 865 (MM)	L 750 * W 805 * H 1165 (MM)	L 1480 * W 920 * H 1100 (MM)	L 1020 * W 920 * H 1900 (MM)	L 2080 * W 1000 * H 1900 (MM)
Hot Water Tank Compatability (For System Sizing , Reference Only , Actual Sizing after System Design Requirements and place of installation)	Upto 750 L	Upto 1500 L	Upto 3000 L	Upto 5000 L	Upto 10000 L
*The Above Specifications are subject to change without prior notice for product Improvement.					

FEATURES OF EVI HEAT PUMPS



DIGITAL CONTROLLER

Digital controller makes the operation totally automatic and programmable, supplying sanitary hot water and fulfilling space heating.



FOR COLDER REGIONS UPTO -30°C

The ultra-low Temperature air source heat pump has efficient heating capacity under -30°C is suitable for extreme cold areas and works well under extreme temperature conditions.



SILENT TECHNOLOGY

State of the art technology has been used which is used to produce whisper quite fans.



ENERGY EFFICIENT

It provides an energy-efficient means of heating as compared to other heating sources, especially in cold climates.



DURABLE

Uses refrigerant which Is ozone friendly thus does not require yearly inspection.



GOOD INVESTMENT

It will help you save on your energy bills and promote a friendlier environment.

