RAPID COOL

RAPIDSUNN HEAT PUMPS

EVI Heat Pump

EVI Air Source heat pumps transfer heat from the ambient air to water, providing hot water up to 60°C. The unique Low ambient-temperature heat pump is widely used for house warming. With innovative & advanced technology, the direct-heating heat pump can operate very well at -25°C ambient temperature with high output temperatures up to 60°C, which ensures the compatibility with normal sized radiator based systems without supplementation.

FEATURES :-

- Low running costs and high efficiency (COP up to 5)
- Reduced Capital Costs as it is Compatible with traditional radiator systems
- Long-life and corrosion resistant composite cabinet stands severe climates.
- American Copeland/ Panasonic scroll compressor ensures outstanding performance, ultra energy efficiency, durability and quiet operation.
- Self-diagnostic digital control panel monitors and troubleshoots heat pump operations to ensure safe and reliable operation.

		RS-EVI-10U	RS-EVI-19U	RS-EVI-37U	RS-EVI-43U	RS-EVI-70U
Heating Capacity	KW	10.3	18.7	37.4	43.4	69.8
COP		4.42	4.45	4.41	4.51	4.58
Rated Heated Water Output	L/H	220	400	800	930	1500
Rated Outlet Water Temp.	°C	55				
Max Outlet Water Temp	°C	60				
Rated Power Input	KW	2.32	4.2	8.48	9.63	15.23
Rated Current	A	11.10	7.85	16.11	18.29	28.93
Power Supply		220-240V/ 50Hz/1Ph	380-415V/50hz/3Ph			
Compressor Type		Scroll (Emerson/Panasonic)				
Number of Compressors		1	1	2	2	2
Throttling Device		Electronic Expansion Valve				
Fan Discharging		Vertical				
Fan Quantity	Piece	1	1	2	2	2
Fan Input	W	70	250	250	250	750
Ambient Temperature	°C	-25-43				
Refrigerant		R407C / R410A				
Circulation Flow	m^3/h	1.76	3.2	6.44	7.47	12
Circulation Pressure Drop	kPa	≤30	≤60	≤65	≤65	≤65
Noise At 1 Meter Distance	dB(A)	≤59	≤62	≤63	≤63	≤68
Water Pipe Size	inch	R1	R1	R1-1/2	R1-1/2	Rc2-1/2
Cabinet		Stainless Steel/Steel with Powder Coating				
Dimension (L × W × H)	mm	710 × 710 × 795	800 × 800 × 1110	1450 × 890 × 1110	1450 × 890 × 1110	1990 × 980 × 2045
Net Weight	kg	107	129	268	305	552

Testing Condition: Ambient Temp.(DB/WS)= 20°C/15°C, Input/Output Water Temp. = 15°C/55°C