

High Temperature Heat Pump

This series of heatpumps can generate hot water at 80°C at high COP. These heatpumps are ideal for industrial applications and processes requiring water at high temperature.

FEATURES :-

- Water outlet temperature up to 75/80°C
- Capacity available up to 200 KW
- Wide ambient range 7-43°C
- Environment friendly green refrigerant
- Protective system with thermostat and pressure switch
- High efficiency heat exchanger
- ZW series compressor
- Overload protection
- Smart touch



		RS-HT-15U	RS-HT-19U	RS-HT-29U	RS-HT-35U
Heating Capacity	KW	14.5	18.4	28.6	34.9
COP		4.2	4	4.2	4.1
Power Supply		380~415V/50Hz/3Ph			
Input Power	KW	3.5	4.6	6.8	8.5
Rated Current	A	7.6	11.8	17.4	21.2
Rated Water Temperature	°C	75			
Max Water Temperature	°C	80			
Heat Exchanger (Condenser)		Braze Plate Heat Exchanger / Tube in Shell			
Evaporator		Blue Finned Evaporator Coil			
Throttling Valve		Electronic Expansion Valve			
Refrigerant		R134a			
Compressor		Scroll (Copeland/Panasonic/Sunniva)			
Number of Compressor		1	1	2	1
Fan Quantity	Piece	1	1	2	1
Rated Hot Water Output @ 60°C	LPH	360	530	820	1000
Rated Hot Water Output @ 70°C	LPH	280	370	580	700
Rated Hot Water Output @ 80°C	LPH	215	280	435	530
Water Flow	m ³ /hr	2.5	3.3	5.5	6.1
Water Pressure Drop	KPa	≤45	≤50	≤55	≤56
Weight	kg	174	205	320	350
Noise at 1 Meter	dB(A)	≤58	≤62	≤65	≤69
Pipe Size	inch	R1	R1	R1-1/4	R1-1/2
Dimension	mm	800 × 800 × 1110	800 × 800 × 1025	1450 × 890 × 1110	975 × 975 × 1300

Testing Condition: Ambient Temp. (DB/WB)=20°C/15°C, Inlet Water Temp. = 55°C, Outlet Water Temp. = 60°C
(E.T. 10°C./ C.T. 65°C)

High Temperature Heat Pump

		RS-HT-38U	RS-HT-58V	RS-HT-70V	RS-HT-115V
Heating Capacity	KW	36.8	57.2	69.8	114.4
COP		4.0	4.2	4.1	4.2
Power Supply		380~415V/50Hz/3Ph			
Input Power	KW	9.2	13.6	17	27.2
Rated Current	A	23.6	34.8	42.4	69.6
Rated Water Temperature	°C	75			
Max Water Temperature	°C	80			
Heat Exchanger (Condenser)		Braze Plate Heat Exchanger / Tube in Shell			
Evaporator		Blue Finned Evaporator Coil			
Throttling Valve		Electronic Expansion Valve			
Refrigerant		R134a			
Compressor		Scroll (Copeland/Panasonic/Sunniva)			
Number of Compressor		2	2	2	4
Fan Quantity	Piece	2	2	2	4
Rated Hot Water Output @ 60°C	LPH	1060	1640	2000	3280
Rated Hot Water Output @ 70°C	LPH	750	1160	1400	2310
Rated Hot Water Output @ 80°C	LPH	560	870	1060	1740
Water Flow	m ³ /hr	6.6	10	12.2	20
Water Pressure Drop	KPa	≤58	≤65	≤70	≤75
Weight	kg	375	510	610	1040
Noise at 1 Meter	dB(A)	≤74	≤76	≤78	≤81
Pipe Size	inch	R1-1/2	R1-1/2	R2	R2-1/2
Dimension	mm	1600 × 990 × 1150	1850 × 950 × 1635	1850 × 950 × 1635	2200 × 2100 × 1800

Testing Condition: Ambient Temp. (DB/WB)=20°C/15°C, Inlet Water Temp. = 55°C, Outlet Water Temp. = 60°C
(E.T. 10°C./C.T. 65°C)