

## Varm Plus Series

This hot water heat pump series, using high-temperature technology and EVI technology, operates steadily in ambient temperatures ranging from  $-5^{\circ}\text{C}$  to  $43^{\circ}\text{C}$  and can achieve output water temperatures up to  $80^{\circ}\text{C}$ . It offers low operating costs and meets the high-temperature water needs of industries such as hotels, chemicals, pharmaceuticals, and aquatic products.



R134A



OPERATING TEMPS  
 $-5\sim 43^{\circ}\text{C}$



MAX OUTLET  
WATER  $80^{\circ}\text{C}$



8 kW



14 kW



28 kW - 41 kW



55 kW



Varmeks Model		VM-OHT1301008	VM-OHT3311008	VM-OHT3311014	VM-OHT3311028	VM-OHT3311041	VM-OHT3311055	VM-OHT3311083
Parameters	Rated Heating Capacity (kW)	8,3	8,3	13,8	27,6	41,1	55,1	82,6
	Rated Input Power (kW)	3,3	3,3	5,4	10,8	16	21,5	32,3
	Max Input Power (kW)	4,46	4,46	7,3	14,6	21,6	29,0	43,6
	Rated Current (A)	14,9	6,6	10,8	21,6	32,2	43	64,6
	Max Current (A)	20,1	8,9	14,6	29,2	43,5	58,1	87,2
	COP (Coefficient of Performance)	2,52	2,52	2,56	2,56	2,57	2,56	2,56
	Power Supply	220V/50Hz/1PH	380V / 50Hz / 3PH					
	Refrigerant/Charge Qty	R134A/2.3kg	R134A/2.3kg	R134A/3.1kg	R134A/3.1kg x2	R134A/4.1kg x2	R134A/7.4kg x2	R134A/3.7kg x4
	Rated Heated Water Output (L/H)	119	119	198	396	589	790	1184
	Rated Outlet Hot Water temperature (°C)	75						
	Max Outlet Hot Water Temperature (°C)	80						
	Working Ambient Temperature	-5~43 °C						
	IP Grade (Level of protection)	IPX4						
	Anti-Electric Shock Rate	I						
	Noise (dB(A))	≤55	≤55	≤58	≤66	≤68	≤68	≤75
	Water Pressure Drop (kPa)	25	25	30	35	38	46	52
Water Circulation (m <sup>3</sup> /H)	3	3	5	10	15	20	30	
Diameter of Pipe (mm)	DN25	DN25	DN25	DN32	DN50	DN50	DN65	
Standard Configuration	Casing Material	Galvanized steel / Spray / Gray						
	Compressor	Copeland EVI						
	Compressor Model	ZW34KSE-PFS-522	ZW34KSE-TFP	ZW61KSE-TFP	ZW61KSE-TFP x2	ZW79KSE-TFP x2	ZW125KSE-TFP-522 x2	ZW79KSE-TFP x4
	Compressor HP	3HP	3HP	5HP	5HP x2	7HP x2	10HP x2	7HP x4
	Condenser	Efficient tank tube-in-shell						
	Economizer	Plate Type MTB020-17	Plate Type MTB020-17	Plate Type MTB020-17	Plate Type MTB020-17*2	Plate Type MTB020-17*2	Plate Type MTB020-17*2	Plate Type MTB020-17*4
	Evaporator	U-2/1550*600/φ9.52	U-2/1550*600/φ9.52	L-2/990*1200/φ9.52	V-2/650*1260*2/φ9.52	V-3/650*1260*3/φ9.52	V-3/900*1500*2/φ9.52	V-3/900*1900*2/φ9.52
	Fan	φ420*2	φ420*2	φ490*2	YSWF102L50P6-625N-	YSWF102L50P6-625N-	YSWF102L70P6-753N-	YSWF127L50P6-840N-
	Motor (With Capacitance)	50W*2(4μf*2)	50W*2(4μf*2)	90W*2(5μf)	550*2	550*2	630*2	710*3
	Four-way Valve	DSF-11	DSF-11	DSF-20	DSF-20*2	DSF-20*2	DHF-35*2	DSF-20*4
	Expansion Valve	Sanhua						
	AC Contactor	(220V-25A)	(220V-12A)	(220V-18A)	(220V-18A)*2	(220V-32A)*2	(220V-38A)*2	(220V-32A)*4
High Pressure Switch	2.4/3.0MPa							
Controller	Single System (Motorola Chip)			Dual system (Motorola Chip)			Four system (Motorola Chip)	
Body Size (W*D*H)(mm)	1110*490*1260	1110*490*1260	1110*490*1410	1580*800*1600	1580*800*1600	1850*1000*1950	2300*1100*2300	
Packing Size (W*D*H)(mm)	1180*540*1390	1180*540*1390	1180*540*1540	1680*900*1800	1680*900*1800	1950*1100*2050	2400*1200*2500	
Net Weight/Gross Weight (kg)	105/111	105/111	150/160	310/330	372/412	482/532	612/675	

Rated Working condition: Dry bulb temperature 20 °C , Wet bulb temperature 15 °C , Inlet water temperature 15 °C , Outlet water temperature 75 °C .

\*For only heating

\*There is no circulation pump