



Water cooled
screw inverter
chiller, standard
efficiency,
standard sound
EWWD-VZSS



Inverter



Screw compressor

- › Optimized energy efficiency both at full and part load conditions
- › Compact footprint through stacked heat exchanger lay-out
- › Heat pump version with reversibility on water side (up to 65°C hot water production)
- › Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- › Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- › High efficient flooded type heat exchanger allowing maximum unit performances
- › One or two truly independent refrigerant circuits for outstanding reliability

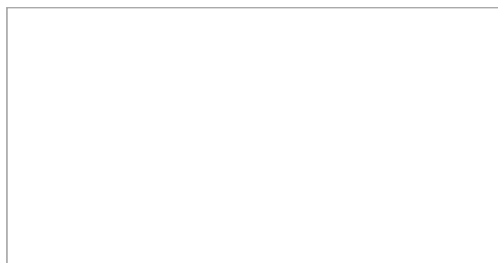
EWWD-VZSS



Heating only & Cooling only				EWWD-VZSS												
				600	700	760	890	C10	C12	C13	C14	C16	C17	C19	C21	
Cooling capacity	Nom.			kW												
Heating capacity	Nom.			kW												
Power input	Cooling	Nom.		kW												
	Heating	Nom.		kW												
Capacity control	Method			Stepless												
	Minimum capacity			20						10						
EER				5.51 (1)	5.31 (1)		5.52 (1)	5.28 (1)	5.08 (1)	5.11 (1)	5.00 (1)	4.93 (1)	5.06 (1)	4.92 (1)	5.07 (1)	
COP				5.42	5.27	5.28	5.5	5.3	5.02	5.05	4.96	4.94	5.06	4.98	5.09	
ESEER				7.62	7.50	7.63	7.54	7.52	7.86	7.81	7.90	7.46	7.99	7.49	7.95	
IPLV				9.43	9.36	9.37		9.40	9.52	9.56	9.57	9.36	9.70	9.38	9.65	
Dimensions	Unit	Height		mm		2,120		2,290	2,480	2,290			2,350		2,500	
		Width		mm		1,180		1,240	1,340	1,480			1,580		1,720	
		Depth		mm		3,460	3,690		3,830	4,550			4,560		4,570	
		Weight		kg		2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260
Water heat exchanger - evaporator	Type			Flooded single pass shell and tube												
	Water volume			l												
Water flow rate	Cooling	Nom.	l/s	88		96	134	156	230		270		320		380	
				Heating		Nom.		l/s								
Water pressure drop	Cooling	Nom.	kPa	80.0		106	89.0	98.0	104	69.0	84.0	70.0	89.0	78.0	92.0	80.0
				Heating		Nom.		kPa								
Water heat exchanger - condenser	Type			Single pass shell and tube												
	Water volume			l												
Water flow rate	Cooling	Nom.	l/s	81	102		126	217	180	200		270		250	430	
				Heating		Nom.		l/s								
Water pressure drop	Cooling	Nom.	kPa	31.0	29.0	32.0	30.0	33.0	44.0	39.0	45.0	66.0	42.0	55.0	37.0	
				Heating		Nom.		kPa								
Compressor	Type			Inverter driven single screw compressor												
	Quantity			1						2						
Sound power level	Cooling	Nom.		dBA												
Sound pressure level	Cooling	Nom.		dBA												
Operation range	Evaporator	Cooling	Min.-Max.	°CDB												
				Condenser	Cooling	Min.-Max.	°CDB									
Refrigerant			Type													
GWP			R-134a													
Circuits			Quantity													
Refrigerant charge	Per circuit	kg		1						2						
		TCO _{2eq}		1						2						
Piping connections	Evaporator water inlet/outlet			mm						mm						
	Condenser water inlet/outlet			mm						mm						
Unit	Starting current		Max	A												
	Running current	Cooling	Nom.	A												
				Max		A										
Power supply	Phase/Frequency/Voltage			Hz/V												

(1) All the performances (Cooling capacity, unit power input in cooling and EER) are based on the following conditions: evaporator 12.0/7.0°C; condenser 30/35.0°C, unit at full load operation, operating fluid: water, fouling factor = 0 | Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

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