



Water cooled
screw chiller,
high efficiency,
standard sound

EWWD-I-XS

R-134a



Screw compressor

- › Stepless single-screw compressor
- › One or two truly independent refrigerant circuits for outstanding reliability
- › Standard electronic expansion valve

- › DX shell and tube evaporator – one pass refrigerant side to minimize pressure drops
- › Partial and total heat recovery option available

EWWD-I-XS



Heating only & Cooling only				EWWD-I-XS	360	440	500	600	750	800	850	950	C10	C11	C12	
Cooling capacity	Nom.		kW		360	431	504	570	717	791	863	929	971	1,035	1,130	
Heating capacity	Nom.		kW		435	520	608	697	865	995	1,040	1,122	1,180	1,263	1,380	
Power input	Cooling	Nom.	kW		74.5	89.5	104	127	148	163	178	193	208	228	250	
	Heating	Nom.	kW		74.5	89.5	104	127	148	163	178	193	208	228	250	
Capacity control	Method				Stepless											
	Minimum capacity			%	25.0						12.5					
EER					4.83		4.82		4.50	4.85	4.84	4.85	4.81	4.66	4.53	4.51
ESEER					4.81	4.74	4.70	4.60	5.52	5.68	5.41	5.53	5.31	5.45	5.10	
COP					5.83	5.82		5.50	5.85	5.84	5.85	5.81	5.66	5.53	5.51	
IPLV					5.72	5.63	5.57	5.47	6.45	6.89	6.33	6.63	6.19	6.35	5.97	
Dimensions	Unit	Height		mm	1,883						2,245					
		Width		mm	1,430						1,350					
		Depth		mm	4,012						4,782					
Weight	Unit		kg	2,594	2,667	2,704		4,964	4,997	5,049	5,073	5,097	5,132			
	Operation weight		kg	2,998	3,078	3,116		5,582	5,615	5,671	5,695	5,729	5,741			
Water heat exchanger - evaporator	Type				Single pass shell and tube											
	Water volume			l	326	317	308		539			528		504		
	Water pressure drop	Cooling	Nom.	kPa	64		54	68	58	68	56	64	72	46	52	
Heating		Nom.	kPa	64		54	68	58	68	56	64	72	46	52		
Compressor	Type				Single screw compressor											
	Quantity				1						2					
Sound power level	Cooling	Nom.	dBA	94	97					98	99	100				
Sound pressure level	Cooling	Nom.	dBA	75	76	78					79	80	81			
Operation range	Evaporator	Cooling	Min.	°CDB	-8											
			Max.	°CDB	15											
	Condenser	Cooling	Min.	°CDB	20											
			Max.	°CDB	55											
Refrigerant	Type/GWP				R-134a/ 1,430											
	Circuits			Quantity	1						2					
Refrigerant charge	Per circuit			kg	100.0	87.0	130.0	105.0	90.0	88.5	87.0	86.0	85.0			
	Per circuit			TCO ₂ Eq	143.0	124.4	185.9	150.2	128.7	126.6	124.4	123.0	121.6			
Piping connections	Evaporator water inlet/outlet (OD)				168.3mm						219.1mm					
	Condenser water inlet/outlet (OD)				5"											
Unit	Starting current		Max	A	330	464			493	627	650	681		703		
	Running current	Cooling	Nom.	A	117	144	164	194	235	261	287	307	327	358	388	
		Max			A	204	233	271	299	407	436	465	504	542	570	597
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400											

Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; entering condenser water temp. 30°C; leaving condenser water temp. 35°C; full load operation. 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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