



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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