



Water cooled
screw chiller,
high efficiency,
standard sound
EWWD-G-XS

R-134a



Screw compressor

- › Stepless single-screw compressor
- › 1-2 truly independent refrigerant circuits
- › Standard electronic expansion valve
- › DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- › Partial and total heat recovery option available

EWWD-G-XS



Heating only & Cooling only				EWWD-G-XS	190	230	280	320	380	400	460	500	550	650
Cooling capacity	Nom.		kW		185	222	276	306	365	407	443	495	539	602
Heating capacity	Nom.		kW		226	272	337	379	446	496	540	602	657	743
Power input	Cooling	Nom.	kW											
	Heating	Nom.	kW		40.6	49.4	61.0	73.4	81.1	89.0	97.0	107	117	141
Capacity control	Method				Stepless									
	Minimum capacity		%		25.0					12.5				
EER					4.57	4.50	4.53	4.17	4.50	4.58	4.57	4.61	4.59	4.26
ESEER					5.37	5.31	5.33	4.91	5.54	5.62	5.61	5.68	5.67	5.27
COP					5.57	5.50	5.53	5.17	5.50	5.58	5.6	5.61	5.59	5.26
IPLV					6.45	6.36	6.35	5.80	6.47	6.57	6.55	6.65	6.64	6.17
Dimensions	Unit	Height	mm		1,860					1,880				
		Width	mm		920					860				
		Depth	mm		3,435					4,305				
Weight	Unit		kg		1,650	1,665	1,680	2,800	2,945	2,955	2,975	2,990		
	Operation weight		kg		1,800	1,810	1,820	3,020	3,280	3,290	3,315	3,340		
Water heat exchanger - evaporator	Type				Single pass shell and tube									
	Water volume		l		125	120	110	170	285	280				
	Water pressure drop	Cooling	Total	kPa	23	31	30	37	28	21	24	33	39	47
Compressor	Type				Single screw compressor									
	Quantity				1					2				
Sound power level	Cooling	Nom.	dBA		88					90				
Sound pressure level	Cooling	Nom.	dBA		70					72				
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		60.0			65.0	60.0	65.0	60.0			
	Per circuit		TCO ₂ Eq		85.8			93.0	85.8	93.0	85.8			
Piping connections	Evaporator water inlet/outlet (OD)				114.3				139.7	168.3mm				
	Condenser water inlet/outlet (OD)				5"									
Unit	Starting current	Max	A		288				380	397		420		438
	Running current	Cooling	Nom.	A	71	81	96	109	142	152	161	174	186	210
		Max	A	114	136	165	186	229	250	272	301	330	373	
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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