



Water cooled
screw chiller,
standard
efficiency,
standard sound

EWWD-G-SS

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

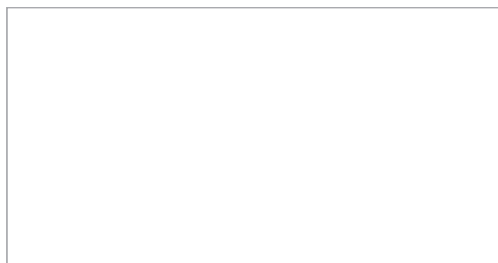
EWWD-G-SS



Heating only & Cooling only				EWWD-G-SS	170	210	260	300	320	380	420	460	500	600	
Cooling capacity	Nom.			kW	165 (1)	200 (1)	252 (1)	279 (1)	332 (1)	370 (1)	401 (1)	446 (1)	492 (1)	554 (1)	
Heating capacity	Nom.			kW	209	253	319	357	420	467	506	566	626	710	
Power input	Cooling	Nom.		kW	43.8 (1)	52.6 (1)	67.4 (1)	78.5 (1)	87.5 (1)	96.4 (1)	105 (1)	119 (1)	134 (1)	157 (1)	
	Heating	Nom.		kW	43.8	52.6	67.4	78.5	87.5	96.4	105	119	134	157	
Capacity control	Method			Stepless											
	Minimum capacity			%	25.0					12.5					
EER					3.77 (1)	3.80 (1)	3.74 (1)	3.55 (1)	3.80 (1)	3.84 (1)	3.80 (1)	3.74 (1)	3.68 (1)	3.53 (1)	
ESEER					4.50	4.54	4.46	4.25	4.75	4.80	4.76	4.67	4.59	4.44	
COP					4.77	4.80	4.74	4.55	4.80	4.84	4.80	4.74	4.68	4.53	
IPLV					5.36	5.35	5.30	5.04	5.52	5.55	5.60	5.31	5.16		
Dimensions	Unit	Height		mm	1,860					1,880					
		Width		mm	920					860					
		Depth		mm	3,435					4,305					
Weight	Unit		kg	1,393	1,410	1,503		2,687	2,697	2,702	2,757	2,762			
	Operation weight		kg	1,470	1,480	1,650		2,840	2,850	2,860	2,970				
Water heat exchanger - evaporator	Type			Single pass shell and tube											
	Water volume			l	60	56	123		118	113		173	168		
	Water pressure drop	Cooling	Total	kPa	45	61	41	49	58	57	66	50		59	
Compressor			Type	Single screw compressor											
Sound power level	Cooling	Nom.		dBA	88					90					
		Sound pressure level		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					55.0					
	Per circuit			TCO ₂ Eq	85.8					78.7					
Piping connections	Evaporator water inlet/outlet (OD)				88.9				114.3				139.7mm		
	Condenser water inlet/outlet (OD)				5"										
Unit	Starting current		Max	A	288					380	397		420		438
	Running current	Cooling	Nom.	A	75	85	105	122	149	160	171	190	209	242	
				Max	A	114	136	165	186	229	250	272	301	330	373
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400										

(1) 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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