



Condenserless  
screw chiller,  
standard  
efficiency,  
standard sound

EWLD-J-SS



Screw compressor

- › Compact design to allow easy indoor installation or retrofit operations
- › Daikin semi-hermetic single screw stepless compressor
- › High energy efficiency both at full and part load conditions
- › Chilled water temperatures down to -10°C on standard unit

# EWLD-J-SS



Cooling only				EWLD-J-SS	110	130	145	165	235	195	265	290	310	330	360	390	430	470	500	530	
Cooling capacity	Nom.		kW	110 (1)	128 (1)	142 (1)	163 (1)	236 (1)	191 (1)	264 (1)	285 (1)	306 (1)	327 (1)	355 (1)	382 (1)	428 (1)	473 (1)	501 (1)	529 (1)		
Power input	Cooling	Nom.	kW	31.2 (1)	38.4 (1)	43.8 (1)	50.4 (1)	66.0 (1)	56.0 (1)	75.3 (1)	87.4 (1)	94.0 (1)	100 (1)	106 (1)	111 (1)	122 (1)	132 (1)	141 (1)	150 (1)		
Capacity control	Method			Stepless																	
	Minimum capacity		%	25.0																	
EER				3.51 (1)	3.33 (1)	3.25 (1)	3.24 (1)	3.58 (1)	3.42 (1)	3.51 (1)	3.26 (1)	3.25 (1)	3.35 (1)	3.43 (1)	3.52 (1)	3.59 (1)	3.55 (1)	3.52 (1)			
Dimensions	Unit	Height	mm	1,020																	
		Width	mm	913																	
		Depth	mm	2,684																	
Weight	Unit		kg	1,124	1,141	1,237	1,263	1,489	1,305	1,489	2,474	2,500	2,526	2,568	2,611	2,795			2,979		
	Operation weight		kg	1,138	1,159	1,253	1,281	1,518	1,327	1,518	2,505	2,533	2,562	2,608	2,655	2,845			3,036		
Water heat exchanger - evaporator	Type			Plate heat exchanger																	
	Water volume		l	14	18	14	17	26	20	26	29	31	33	37	41	46			52		
Compressor	Type	Cooling	Nom.	kPa	Single screw compressor																
					Quantity	1															
Sound power level	Cooling	Nom.	dB(A)	89																	
Sound pressure level	Cooling	Nom.	dB(A)	79																	
Operation range	Evaporator	Cooling	Min.	°CDB	-10																
			Max.	°CDB	15																
	Condenser	Cooling	Min.	°CDB	25																
			Max.	°CDB	60																
Refrigerant	Type			R-134a																	
	GWP			1,430																	
	Circuits	Quantity		1																	
Piping connections	Condenser water inlet/outlet (OD)			-																	
	Evaporator water inlet/outlet (OD)			76.2 mm																	
Unit	Starting current	Max	A	151		195	288	195	288	281	293	310	403	422	440						
		Running current	Cooling	Nom.	A	52	62	72	81	107	91	120	145	153	162	171	181	197	214	227	241
			Max	A	76	97	107	122	167	143	189	215	230	245	265	286	311	335	357	378	
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. Its functioning relies on fluorinated greenhouse gases

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