



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	Water pressure drop	Cooling	Nom.	kPa	14	13	39	37	26	33	32	39	37	34	33	29	26	29	32	
	Type				Single screw compressor															
Sound power level	Quantity				1															
	Cooling	Nom.		dB(A)	89															
Sound pressure level	Quantity				2															
	Cooling	Nom.		dB(A)	94															
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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