



Condenserless
screw chiller,
standard efficiency,
standard sound

EWLD-I-SS

R-134a



Screw compressor

- › Stepless single-screw compressor
- › Standard electronic expansion valve

- › DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return

EWLD-I-SS



Cooling only				EWLD-I-SS	320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17	
Cooling capacity	Nom.			kW	315	374	437	509	607	670	740	802	865	935	975	1,029	1,097	1,144	1,210	1,278	1,330	1,381	1,433	
Power input	Cooling	Nom.		kW	80.3	96.0	113	134	160	175	192	208	224	246	264	283	286	302	318	336	356	375	395	
Capacity control	Method	Stepless																						
	Minimum capacity	%				25.0						12.5						8.3						
EER					3.93	3.89	3.88	3.79	3.80	3.82	3.86			3.81	3.69	3.64	3.83	3.79	3.80			3.74	3.68	3.63
Dimensions	Unit	Height	mm			1,899						2,325						2,415						
		Width	mm									1,464						2,135						
		Depth	mm			3,114						4,391						4,426						
Weight	Unit			kg	1,861	1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,412		5,146	5,167	5,188	5,208						
	Operation weight			kg	2,054	2,052	2,056	3,602	3,603	3,604	3,605	3,645		5,667	5,671	5,677	5,680							
Water heat exchanger - evaporator	Type	Single pass shell and tube																						
	Water volume				l	193	183	172	271	263	256	248	241	233	504		489	472	504			489	472	
Compressor	Type	Single screw compressor																						
		Quantity	1				2				3													
Sound power level	Cooling	Nom.		dB(A)	94	97				98	99	100				101	103							
Sound pressure level	Cooling	Nom.		dB(A)	75	76	78				79	80	81				80	81	83					
Operation range	Evaporator	Cooling	Min.	°CDB	-8																			
			Max.	°CDB	15																			
	Condenser	Cooling	Min.	°CDB	25																			
			Max.	°CDB	60																			
Refrigerant	Type/GWP	R-134a/1,430																						
	Circuits	Quantity		1				2				3												
Piping connections	Condenser water inlet/outlet (OD)			-																				
	Evaporator water inlet/outlet (OD)			42mm																				
Unit	Starting current	Max		A	330	464			493	627	650	681	703		836	867	898	920	942					
	Running current	Cooling	Nom.	A	131	157	181	214	260	287	313	338	361	391	420	448	470	493	517	542	571	601	631	
				Max	A	204	233	271	299	407	436	465	504	542	570	597	670	698	737	775	814	841	868	896
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																			

Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C; full load operation. Its functioning relies on fluorinated greenhouse gases

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