



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	Cooling	Total		Single screw compressor																					
					Quantity	1						2						3								
Sound power level	Cooling	Nom.		dB(A)	94	97						98	99	100						101	103					
		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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