



Water cooled  
screw chiller,  
standard  
efficiency,  
standard sound

EWVQ-B-SS

**R-410A**



Screw compressor

- › 1 or 2 stepless single-screw compressors
- › One or two truly independent refrigerant circuits for outstanding reliability

- › Shell and tube heat exchanger
- › Standard electronic expansion valve
- › Compact design

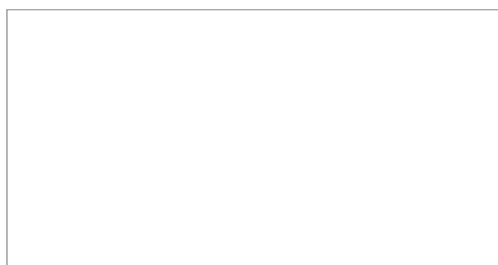
# EWWQ-B-SS



Cooling only				EWWQ-B-SS																							
				380	460	560	640	730	800	860	870	960	C10	C11	C12	C13	C14	C15	C16	C17	C19	C20					
Cooling capacity	Nom.			kW	379	462	560	635	724	793	859	868	956	1,003	1,050	1,181	1,251	1,320	1,452	1,595	1,754	1,896	2,055				
Power input	Cooling	Nom.		kW	892	109	133	150	170	179	207	199	218	247	243	268	285	303	337	373	407	441	477				
Capacity control	Method			Stepless																							
	Minimum capacity			%	12.5						25.0	12.5	25.0	12.5						25.0							
EER					4.24	4.21	4.22	4.25	4.42	4.15	4.36	4.38	4.07	4.32	4.41	4.38	4.35	4.31	4.28	4.31	4.30	4.31					
ESEER					4.64	4.69	4.70	4.46	5.08	4.35	5.07	5.03	4.28	5.04	5.05	5.06	5.00	4.66	4.76	4.61	4.63	4.54					
IPLV					5.57	5.62	5.63	5.32	5.58	5.15	5.75	5.92	5.08	5.90	5.93	5.85	5.46	5.44	5.34	5.38	5.32						
Dimensions	Unit	Height	mm	1,849	2,001		1,848	2,158	1,848	2,158		1,851	2,378		2,455		2,495										
		Width	mm	1,140	1,276		1,314	1,350	1,327	1,350		1,314		1,350													
		Depth	mm	3,373	3,454		3,535	5,020	3,535	5,020		3,535	4,894	5,070		4,892		4,865									
Weight	Unit			kg	1,933	1,967	2,283	2,332	2,407	3,921	2,427	3,949	3,988	2,457	4,344	4,529	4,536	4,607	4,988	4,999	5,053	5,204	5,289				
	Operation weight			kg	2,135	2,169	2,543	2,628	2,777	4,422	2,795	4,463	4,496	2,812	4,780	5,186	5,200	5,280	5,602	5,615	5,670	5,881	5,970				
Water heat exchanger - evaporator	Type			Single pass shell and tube																							
	Water volume			l	124	118	176	170	274	344	266	344	325	251	325	538		505		495	539	527					
Compressor	Water pressure drop	Cooling	Nom.	kPa	48	63	44	47	54	53	49	62	58	56	69	45	49	54	59	69	88	97	120				
	Type			Single screw compressor																							
Sound power level	Cooling	Nom.	dBA	1				2		1		2		1		2											
				100	101	102		105	102	105		103	105		107		106	107		108							
Sound pressure level	Cooling	Nom.	dBA	82	83	84		83	84	85		86		87		86	87		88								
Operation range	Evaporator	Cooling	Min.	°CDB																							
			Max.	°CDB																							
	Condenser	Cooling	Min.	°CDB																							
			Max.	°CDB																							
Refrigerant	Type/GWP			R-410A/ 2,087.5																							
	Circuits	Quantity	1				2		1		2		1		2												
Refrigerant charge	Per circuit			kg	120.0	100.0	175.0	90.0	80.0	85.0	90.0	45.0	85.0	100.0	160.0	100.0	150.0	130.0	150.0	160.0	130.0						
	Per circuit			TCO <sub>2</sub> Eq	250.5	208.8	365.3	187.9	167.0	177.4	187.9	93.9	177.4	208.8	334.0	208.8	313.1	271.4	313.1	334.0	271.4						
Piping connections	Evaporator water inlet/outlet			mm	152.4		203.2				-				254												
	Condenser water inlet/outlet (OD)			inch	5		6		5				6		5												
	Condenser water inlet/outlet			inch	5		6		5				6		5												
Unit	Starting current	Max	A	455				656		599		656		626		656		663		690		902		954		988	
				Running current	Cooling	Nom.	A	149	175	211	237	269	299	329	325	352	391	387	423	449	476	539	596	650	702	755	
							Max	A	179	214	259	294	308	358	372	393	427	434	473	519	553	587	615	679	744	771	830
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																						

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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