



Water cooled
screw chiller,
high efficiency,
standard sound

EWWQ-B-XS

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-XS



Cooling only				EWWQ-B-XS																		
				420	520	640	730	800	970	C10	C11	C12	C13	C14	C15	C16	C17	C19	C20	C21		
Cooling capacity	Nom.			kW	420	513	636	722	798	969	1,033	1,111	1,153	1,265	1,363	1,442	1,580	1,740	1,870	2,025	2,156	
Power input	Cooling	Nom.		kW	88.7	107	131	149	166	201	213	239	238	262	281	299	324	361	397	436	474	
Capacity control	Method																					
	Minimum capacity					12.5						25.0		12.5		25.0						
EER					4.74	4.79	4.84	4.83	4.81		4.86	4.64	4.85	4.83	4.85	4.83	4.88	4.81	4.71	4.64	4.55	
ESEER					5.27	5.29	5.37	5.36	5.30	5.09	5.56	4.99	5.52		5.65	5.61	5.26	5.18	4.98	4.91	4.75	
IPLV					6.36		6.45	6.42	6.35	6.06	6.11	5.92	6.06	6.07	6.23	6.19	5.82	5.92	6.03	5.81	5.93	
Dimensions	Unit	Height	mm	2,001				2,003				2,001		2,454		2,003		2,495				
		Width	mm	1,276			1,268		1,314	1,446	1,350	1,446		1,350								
		Depth	mm	3,863			3,878		3,920	5,219	3,919	5,219				4,829		4,865				
Weight	Unit				kg	2,322	2,403	2,464	2,738	2,407	2,427	4,775	2,457	4,831	4,873	4,919	4,969	5,117	5,388	5,408	5,414	
	Operation weight				kg	2,594	2,685	2,745	3,158	2,815	3,056	5,431	3,086	5,479	5,512	5,546	5,606	5,794	5,843	6,110	6,118	6,124
Water heat exchanger - evaporator	Type	Single pass shell and tube																				
	Water volume				l	220	213	200	334	325	538	587	538	575	563	551		495	484	535	527	
Compressor	Water pressure drop	Cooling	Nom.	kPa	55	68	71	64	57	53		68	64	55	67	74	69	88	90	111	124	
	Type	Single screw compressor																				
Sound power level	Cooling	Nom.	dBA	1				2		1		2										
				Quantity	1				2		1		2									
Sound pressure level	Cooling	Nom.	dBA	101	102	103	102	103	105	104	106		107		106		107		108			
				82	83	84	83	84	86	85	86	87		86	87		88					
Operation range	Evaporator	Cooling	Min.	-4																		
			Max.	10																		
	Condenser	Cooling	Min.	25																		
			Max.	45																		
Refrigerant	Type/GWP	R-410A/ 2,087.5																				
	Circuits	Quantity	1				2		1		2											
Refrigerant charge	Per circuit				kg	120.0	130.0	95.0	135.0	110.0	150.0	120.0	130.0	120.0	150.0	120.0	150.0	130.0	150.0			
	Per circuit				TCO ₂ Eq	250.5	271.4	198.3	281.8	229.6	313.1	250.5	271.4	250.5	313.1	250.5	313.1	271.4	313.1			
Piping connections	Evaporator water inlet/outlet				mm	152.4		203.2		254	203.2	254	203.2		254							
	Condenser water inlet/outlet (OD)																					
	Condenser water inlet/outlet				inch	8		6		5	6	5		6		8						
Unit	Starting current	Max				A	455			656		626	656	663		690	902	954	988	998		
			Running current	Cooling	Nom.	A	149	173	208	235	258	313	346	370	381	417	443	469	511	567	621	678
	Max	A				179	214	259	294	308	372	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.

For more information email info@daikinapplied.uk or visit www.daikinapplied.uk

London Sales Office
69 Questor Estate
Pearsons Way
Dartford, Kent
DA1 1JN
01322 424950

Head Office
Bassington Industrial Estate
Cramlington, Northumberland
NE23 8AF
01670 566159



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V. Printed on non-chlorinated paper.

