



Water cooled
screw chiller,
standard
efficiency,
standard sound

EWWD-J-SS

R-134a



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
- › Optimised for use with R-134a

EWWD-J-SS



Heating only & Cooling only				EWWD-J-SS																																				
				120	140	150	180	210	250	280	310	330	360	380	400	450	500	530	560																					
Cooling capacity	Nom.	kW		120	146	154	177	207	255	284	309	333	356	385	415	463	512	540	568																					
Heating capacity	Nom.	kW		148	180	194	223	258	315	354	388	417	446	486	515	573	631	669	709																					
Power input	Cooling	Nom.		kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0	78.8	84.6	90.3	101	110	120	130	140																					
	Heating	Nom.		kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0	78.8	84.6	90.3	101	110	120	130	140																					
Capacity control	Method			Stepless																																				
	Minimum capacity			25.0								12.5																												
EER				4.28	4.29	3.90	3.91	4.11	4.26	4.06	3.92	3.94	3.82	4.12	4.20	4.28	4.16	4.05																						
ESEER				4.51	4.20			4.28	4.68	4.01	4.32	4.35	4.50	4.31	4.65	4.74	4.83	4.73	4.33																					
COP				5.28	5.29	4.90	4.91	5.11	5.26	5.06	4.92	4.94	4.82	5.12	5.20	5.28	5.16	5.05																						
IPLV				5.18	5.06		5.05	5.16	5.70	4.88	5.06	5.13	5.29	5.03	5.48	5.59	5.71	5.55	5.09																					
Dimensions	Unit	Height	mm	1,020								2,000																												
		Width	mm	913																																				
		Depth	mm	2,684																																				
Weight	Unit	kg		1,177	1,233	1,334	1,366	1,416	1,600	1,607	2,668	2,700	2,732	2,782	2,832	3,016	3,200	3,207	3,215																					
	Operation weight		kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675	2,755	2,792	2,830	2,888	2,946	3,136	3,327	3,338	3,350																					
Water heat exchanger - evaporator	Type			Plate heat exchanger																																				
	Water volume			l	14	18	14	17	20	26	29	31	33	37	41	46	52																							
	Water pressure drop	Cooling	Nom.	kPa	15	14	43	40	35	28	34	43	40	37	35	31	28	31	34																					
Heating		Nom.	kPa	15	14	43	40	35	28	34	43	40	37	35	31	28	31	34																						
Compressor	Type			Single screw compressor																																				
	Quantity			1								2																												
Sound power level	Cooling	Nom.		dBA	89								94																											
Sound pressure level	Cooling	Nom.		dBA	79								82																											
Operation range	Evaporator	Cooling	Min.	°CDB	-10																																			
			Max.	°CDB	15																																			
	Condenser	Cooling	Min.	°CDB	23																																			
			Max.	°CDB	60																																			
Refrigerant	Type/GWP			R-134a/ 1,430																																				
	Circuits	Quantity		1								2																												
Refrigerant charge	Per circuit			kg	18.0	35.0	34.0	37.0	38.0	33.0	33.5	34.0	35.0	36.0	37.0	38.0																								
				TCO ₂ Eq	25.7	50.1	48.6	52.9	54.3	47.2	47.9	48.6	50.1	51.5	52.9	54.3																								
Piping connections	Evaporator water inlet/outlet			mm	76.2																																			
	Condenser water inlet/outlet (OD)				2" 1/2								4"																											
Unit	Starting current		Max	A	151				195				288				281				293				310				403				422				440			
	Running current	Cooling	Nom.	A	48	57	67	74	83	97	109	134	141	149	157	165	180	195	206	218																				
		Max	A	76	97	107	122	143	167	189	215	230	245	265	286	311	335	357	378																					
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.

