DAIKIN APPLIED (UK) LTD

Water cooled screw chiller, high efficiency, standard sound

EWWD-G-XS

R-134a

Screw compressor

- Stepless single-screw compressor
- 1-2 truly independent refrigerant circuits
- Standard electronic expansion valve
- DX shell and tube evaporator – one pass refrigerant side for easy oil circulation and return
- Partial and total heat recovery option available

EWWD-G-XS

EWWD-G-XS

MicroTech III

Heating only & Cooling only				EWWD-G-XS	190	230	280	320	380	400	460	500	550	650
Cooling capacity	Nom.			kW	185	222	276	306	365	407	443	495	539	602
Heating capacity	Nom.			kW	226	272	337	379	446	496	540	602	657	743
Power input	Cooling	Nom.		kW	-									
	Heating	Nom.		kW	40.6	49.4	61.0	73.4	81.1	89.0	97.0	107	117	141
Capacity control	Method				Stepless									
	Minimum capacity			%	25.0				12.5					
EER					4.57	4.50	4.53	4.17	4.50	4.58	4.57	4.61	4.59	4.26
ESEER					5.37	5.31	5.33	4.91	5.54	5.62	5.61	5.68	5.67	5.27
COP					5.57	5.50	5.53	5.17	5.50	5.58	5.6	5.61	5.59	5.26
IPLV					6.45	6.36	6.35	5.80	6.47	6.57	6.55	6.65	6.64	6.17
Dimensions	Unit	Height		mm	1,860				1,880					
		Width		mm	920				860					
		Depth		mm	3,435				4,305					
Weight	Unit			kg	1,650	1,665	1,680		2,800	2,945	2,955	2,975	2,990	
	Operation weight			kg	1,800	1,810	1,820		3,020	3,280	3,290	3,315	3,340	
Water heat exchanger - evaporator	Type				Single pass shell and tube									
	Water volume			l	125	120	110		170	285		280		
	Water pressure drop	Cooling	Total	kPa	23	31	30	37	28	21	24	33	39	47
Compressor	Type				Single screw compressor									
	Quantity				1				2					
Sound power level	Cooling	Nom.		dBA	88				90					
Sound pressure level	Cooling	Nom.		dBA	70				72					
Operation range	Evaporator	Cooling	Min.	°CDB	-8									
			Max.	°CDB	15									
	Condenser	Cooling	Min.	°CDB	20									
			Max.	°CDB	55									
Refrigerant	Type/GWP				R-134a/ 1,430									
	Circuits	Quantity			1				2					
Refrigerant charge	Per circuit			kg	60.0			65.0		60.0	65.0		60.0	
	Per circuit			TCO_2Eq	85.8			93.0		85.8	93.0		85.8	
Piping connections	Evaporator water inlet/outlet (OD)				114.3				139.7		168.3mm			
	Condenser water inlet/outlet (OD)				5"									
Unit	Starting current	Max		A	288				380	397		420		438
	Running current	Cooling	Nom.	A	71	81	96	109	142	152	161	174	186	210
		Max		A	114	136	165	186	229	250	272	301	330	373
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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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

bsi. ISO 9001 Quality Management
bsi. ISO 14001 Environmental Management
bsi. OHSAS 18001 Occupational Health and Safety Management
CE