



Water cooled
screw chiller,
high efficiency,
standard
sound
EWWD-H-XS

R-134a



Screw compressor

- › High energy efficient units: full range Eurovent Class A
- › Flooded type heat exchangers

- › Heat pump version available
- › MicroTech III controller with superior control logic and easy interface

EWWD-H-XS



Heating only & Cooling only				EWWD-H-XS													
				370	450	530	610	750	830	930	980	C10	C11	C12			
Cooling capacity	Nom.	kW		368	444	520	606	745	825	930	975	1,047	1,130	1,212			
Heating capacity	Nom.	kW		432	520	608	709	873	965	1,083	1,141	1,224	1,321	1,416			
Power input	Cooling	Nom.	kW	65.2	77.8	89.8	104	130	143	156	168	179	193	207			
	Heating	Nom.	kW	64.0	76.7	88.4	103	128	140	154	166	177	191	204			
Capacity control	Method			Stepless													
	Minimum capacity			25.0						12.5							
EER				5.64	5.70	5.78	5.81	5.74	5.79	5.95	5.80	5.84		5.85			
ESEER				5.80	5.82	5.90	5.91	6.44	6.51	6.59	6.63	6.66	6.69	6.68			
COP				6.75	6.79	6.88	6.89	6.84	6.87	7.06	6.89	6.93		6.94			
IPLV				6.93	6.99	7.09	7.10	7.73	7.81	7.89	7.96	8.00	8.02				
Dimensions	Unit	Height	mm	2,121			2,048						2,161				
		Width	mm	1,353			1,384	1,689			1,711						
		Depth	mm	3,341	3,419	3,417	3,609			3,509							
Weight	Unit	kg		3,089	3,370	3,603	3,781	5,289	5,375	5,654	5,707	6,066	6,105	6,156			
		Operation weight		kg	3,250	3,588	3,870	4,163	5,694	5,835	6,174	6,262	6,709	6,773	6,859		
Water heat exchanger - evaporator	Type			Single pass shell and tube													
	Water volume			l	78	107	134	160	172	201	261	272	295	310	327		
	Water pressure drop	Cooling	Nom.	kPa	40	33		40	47	38	35	36	33	32			
Heating		Nom.	kPa	40	33		40	47	38	35	36	33	32				
Compressor	Type			Single screw compressor													
	Quantity			1						2							
Sound power level	Cooling	Nom.	dBA	97	98	99	100	101		102		103					
Sound pressure level	Cooling	Nom.	dBA	78	79	80	81	82		83		84					
Operation range	Evaporator	Cooling	Min.	°CDB				-8									
			Max.	°CDB				15									
	Condenser	Cooling	Min.	°CDB				18									
			Max.	°CDB				60									
Refrigerant	Type/GWP			R-134a/ 1,430													
	Circuits			Quantity			1										
Refrigerant charge	Per circuit			kg	180.0	210.0	230.0	250.0	270.0			300.0		320.0			
				TCO ₂ Eq	257.4	300.3	328.9	357.5	386.1			429.0		457.6			
Piping connections	Evaporator water inlet/outlet			mm	168.3			219.1									
	Condenser water inlet/outlet (OD)			-													
	Condenser water inlet/outlet			inch	6			8									
Unit	Starting current	Max		A	330			464	448	471		492		626	646		
		Running current	Cooling	Nom.	A	107	124	141	166	213	231	249	266	283	307	330	
	Max		A	148	176	202	228	296	323	351	378	404	430	456			
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.

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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