



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.

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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

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