

Air cooled
multi-scroll chiller,
high efficiency,
standard sound

EWAQ-G-XS



Scroll compressor

- › Single refrigerant circuit (2 scroll compressors) with single evaporator
- › Compact design to allow easy indoor installation or retrofit operations
- › Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact
- › Partial and total heat recovery option available
- › Stainless steel plate heat exchanger

EWAQ-G-XS



Cooling only				EWAQ-G-XS	080	090	105	115	130	150
Cooling capacity	Nom.			kW	79.8 (1)	90.3 (1)	105 (1)	117 (1)	131 (1)	149 (1)
Power input	Cooling	Nom.		kW	25.8 (1)	29.0 (1)	33.8 (1)	37.7 (1)	42.3 (1)	48.1 (1)
Capacity control	Method				Step					
	Minimum capacity			%	50	44	50	44	50	43
EER					3.10 (1)	3.11 (1)	3.12 (1)	3.10 (1)		
ESEER					4.20	4.30	4.28	4.34	4.22	4.36
IPLV					4.82	5.04	4.96	5.02	4.92	5.05
Dimensions	Unit	Height		mm	1,800				1,820	
		Width		mm	1,195					
		Depth		mm	2,680	3,200			3,800	
Weight	Unit			kg	734	850	991	1,020	1,086	1,123
	Operation weight			kg	744	860	1,007	1,035	1,102	1,144
Water heat exchanger	Type				Brazen plate					
	Water flow rate	Cooling	Nom.	l/s	3.8	4.3	5.0	5.6	6.3	7.1
	Water pressure drop	Cooling	Nom.	kPa	25.7	32.7	20.3	19.9	25.4	20.6
	Water volume			l	5.58	4.86		5.60		8.10
Air heat exchanger	Type				Microchannel					
Compressor	Type				Scroll compressor					
	Quantity				2					
Fan	Type				Direct propeller					
	Quantity				6		8		10	
	Air flow rate	Nom.		l/s	9,029	9,498	12,008		15,046	
	Speed			rpm	1,360					
Sound power level	Cooling	Nom.		dB(A)	84	85	87	89		
Sound pressure level	Cooling	Nom.		dB(A)	66	68	69	71		
Operation range	Air side	Cooling	Min.-Max.	°CDB	-10~-45					
	Water side	Cooling	Min.-Max.	°CDB	-10~-15					
Refrigerant	Type/GMP				R-410A/2,0875					
	Circuits			Quantity	1					
Refrigerant charge	Per circuit			kg	8.0		10.0		12.0	
				TCO ₂ eq	16.7		20.9		25.1	
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2					
Unit	Starting current	Max		A	210	261	268	315	324	362
	Running current	Cooling	Nom.	A	52	56	61	69	76	87
		Max		A	65	71	78	86	96	109
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air 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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