



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

EWAQ-G-SR



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-SR



Cooling only				EWAQ-G-SR	075	085	100	110	120	140	155
Cooling capacity	Nom.			kW	69.3 (1)	78.9 (1)	91.0 (1)	99.7 (1)	109 (1)	130 (1)	143 (1)
Power input	Cooling	Nom.		kW	29.4 (1)	33.1 (1)	36.8 (1)	42.0 (1)	46.3 (1)	54.0 (1)	61.2 (1)
Capacity control	Method			Step							
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.36 (1)	2.38 (1)	2.47 (1)	2.38 (1)	2.35 (1)	2.42 (1)	2.34 (1)
ESEER					3.94	4.12	3.94	4.02	3.74	4.12	3.88
IPLV					4.67	4.85	4.71	4.78	4.50	4.85	4.61
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,140	2,680			3,200		
Weight	Unit		kg	711	822	953	983	1,012	1,067	1,096	
	Operation weight			kg	722	832	963	993	1,023	1,084	1,115
Water heat exchanger	Type			Braze plate							
	Water flow rate	Cooling	Nom.	l/s	3.3	3.8	4.4	4.8	5.2	6.2	6.9
	Water pressure drop	Cooling	Nom.	kPa	13.3	24.0	32.6	27.6	31.1	24.1	22.2
	Water volume			l	5.58	4.86		5.60		8.10	9.36
Air heat exchanger	Type			Microchannel							
Compressor	Type			Scroll compressor							
	Quantity			2							
Fan	Type			Direct propeller							
	Quantity			4		6			8		
	Air flow rate	Nom.		l/s	4,523	5,046	6,787		9,023		
	Speed			rpm	1,108						
Sound power level	Cooling	Nom.		dB(A)	79	82	84	86			
Sound pressure level	Cooling	Nom.		dB(A)	62	65	66	68			
Operation range	Air side	Cooling	Min.-Max.	°CDB	-10~-42						
	Water side	Cooling	Min.-Max.	°CDB	-10~-15						
Refrigerant	Type/GWP			R-410A/2,0875							
	Circuits			Quantity	1						
Refrigerant charge	Per circuit			kg	8.0		10.0		12.0		
				TCO <sub>2</sub> eq	16.7		20.9		25.1		
Piping connections	Evaporator water inlet/outlet (OD)			2" 1/2							
Unit	Starting current		Max	A	207	258	266	313	320	360	374
	Running current	Cooling	Nom.	A	57	61	65	74	84	93	109
		Max		A	63	69	76	84	91	107	121
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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