



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

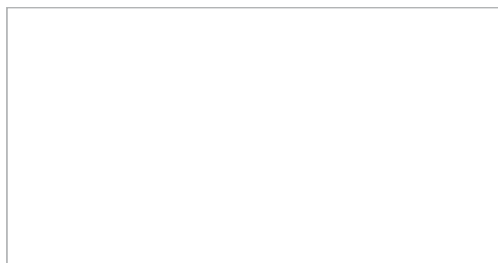
EWAQ-G-SR



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			Brazen 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	
Air heat exchanger	Type			Microchannel								
	Compressor			Scroll compressor								
Fan	Quantity			2								
	Type			Direct propeller								
	Quantity				4				6	8		
Sound power level	Air flow rate	Nom.		l/s	4,523	5,046			6,787	9,023		
	Speed				rpm	1,108						
Sound pressure level	Cooling	Nom.		dB(A)	79	82	84					86
	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			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	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.

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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