DAIKIN APPLIED (UK) LTD

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

EWAQ-G-SS

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-SS

EWAQ-G-SS

MicroTech III

Cooling only				EWAQ-G-SS	075	085	100	110	120	140	155
Cooling capacity	Nom.			kW	74.7 (1)	84.2 (1)	96.7 (1)	107 (1)	117 (1)	139 (1)	154 (1)
Power input	Cooling	Nom.		kW	27.7 (1)	31.2 (1)	35.0 (1)	39.5 (1)	43.4 (1)	51.1 (1)	57.2 (1)
Capacity control	Method				Step						
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.70 (1)		2.76 (1)	2.70 (1)		2.73 (1)	2.70 (1)
ESEER					4.11	4.23	4.04	4.12	3.91	4.20	4.06
IPLV					4.79	4.97	4.78	4.86	4.66	4.92	4.78
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,140		2,680			3,200	
Weight	Unit			kg	681	792	923	953	982	1,037	1,066
	Operation weight			kg	692	802	934	963	993	1,054	1,085
Water heat exchanger	Type				Brazed plate						
	Water flow rate	Cooling	Nom.	l/s	3.6	4.0	4.6	5.1	5.6	6.7	7.4
	Water pressure drop	Cooling	Nom.	kPa	15.5	27.3	36.9	31.6	36.0	27.5	25.8
	Water volume			l	5.60	4.90		5.60		8.10	9.40
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	6,017	6,444	9,029			12,008	
	Speed			rpm	1,360						
Sound power level	Cooling	Nom.		dBA	83	85	87	89			
Sound pressure level	Cooling	Nom.		dBA	66	68	69	71			
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~42						
	Water side	Cooling	Min.~Max.	°CDB	-10~15						
Refrigerant	Type/GWP				R-410A / 2,087.5						
	Circuits	Quantity			1						
Refrigerant charge	Per circuit			kg	8.0			10.0		12.0	
				TCO_2eq	16.7			20.9		25.1	
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2						
Unit	Starting current	Max		A	208	259	266	313	321	361	374
	Running current	Cooling	Nom.	A	54	58	62	70	79	89	102
		Max		A	64	69	77	84	92	108	122
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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EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

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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CE