Air cooled multi-scroll heat pump, high efficiency, standard sound

EWYQ-G-XS

Scroll compressor

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- Compact design to allow easy indoor installation or retrofit operations
- Partial and total heat recovery option available
- Stainless steel plate heat exchanger

EWYQ-G-XS

EWYQ-G-XS

MicroTech III

Heating & Cooling				EWYQ-G-XS	075	085	100	110	120	140	160
Cooling capacity	Nom.			kW	77.8 (1)	88.1 (1)	101 (1)	117 (1)	127 (1)	147 (1)	165 (1)
Heating capacity	Nom.			kW	82.2 (2)	91.2 (2)	110 (2)	127 (2)	138 (2)	156 (2)	170 (2)
Power input	Cooling	Nom.		kW	27.0 (1)	31.5 (1)	36.0 (1)	39.5 (1)	44.7 (1)	50.2 (1)	57.8 (1)
	Heating	Nom.		kW	26 (2)	29 (2)	34 (2)	39 (2)	43 (2)	50 (2)	54 (2)
Capacity control	Method				Step						
	Minimum capacity			%	50	44	50	44	50	43	50
EER					2.88 (1)	2.80 (1)	2.81 (1)	2.97 (1)	2.84 (1)	2.92 (1)	2.85 (1)
ESEER					3.90	3.94	3.97	4.03	3.92	3.96	
COP					3.14 (2)	3.12 (2)	3.24 (2)	3.25 (2)	3.20 (2)	3.11 (2)	3.13 (2)
SCOP					3.25	3.20	3.46	3.42	3.39	3.33	3.35
IPLV					4.40	4.47	4.40	4.49	4.40	4.50	
Dimensions	Unit	Height		mm	1,800						
		Width		mm	1,195						
		Depth		mm	2,826			3,426		4,026	
Weight	Unit			kg	850	912	1,077	1,183	1,213	1,333	1,394
	Operation weight			kg	858	921	1,088	1,194	1,224	1,344	1,411
Water heat exchanger	Type				Brazed plate						
	Water flow rate	Cooling	Nom.	l/s	3.7	4.2	4.8	5.6	6.1	7.0	7.9
		Heating	Nom.	l/s	4.0	4.4	5.3	6.1	6.7	7.5	8.2
	Water pressure drop	Cooling	Nom.	kPa	8.40	8.30	8.70	11.6	13.7	18.2	19.9
		Heating	Nom.	kPa	9.50	9.10	11.20	14.40	17.20	21.70	22.50
	Water volume			l	8.10	9.40	10.8				16.7
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler						
Compressor	Type				Scroll compressor						
	Quantity				2						
Fan	Type				Direct propeller						
	Quantity				6			8		10	
	Air flow rate	Nom.		l/s	10,042		9,861	13,148		16,435	
	Speed			rpm	1,360						
Sound power level	Cooling	Nom.		dBA	84	85	87	89			
Sound pressure level	Cooling	Nom.		dBA	66	68	70	71			
Operation range	Air side	Cooling	Min.~Max.	°CDB	-10~45						
		Heating	Min.~Max.	°CDB	-10~45						
	Water side	Cooling	Min.~Max.	°CDB	-10~15						
		Heating	Min.~Max.	°CDB	-10~15						
Refrigerant	Type/GWP				R-410A/2,087.5						
	Circuits	Quantity			1						
Refrigerant charge	Per circuit			kg	15.0		18.0	23.0		30.0	
				TCO_2eq	31.3		37.6	48.0		62.6	
Piping connections	Evaporator water inlet/outlet (OD)				2" 1/2						
Unit	Starting current	Max		A	210	261	267	316	323	363	377
	Running current	Cooling	Nom.	A	52	56	60	69	76	88	95
		Max		A	66	72	78	87	95	111	125
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. (2) Heating capacity, unit power input and COP are based on the following conditions: ambient 7°C; condenser 40.0/45.0°C, unit at 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)

MIX
Paper from responsible sources
FSC® C109049

ECPEN15-441_1 07/15

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

LLOYD'S REGISTER LRQA
ISO 9001 · ISO 14001

CE