DAIKIN APPLIED (UK) LTD

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

EWAQ-E-XS/XL

Scroll compressor

- Reliable and efficient scroll compressors with high EER values
- A series of advantages thanks to the use of large-capacity scroll compressors: increased competitiveness, reduced weight, clearances around the unit
- Reduced footprint thanks to the V-shaped frame
- Large operation range: ambient temperatures up to 52°C and down to -18°C

EWAQ-E-XS/XL

EWAQ-E-XS/XL

MicroTech III

Cooling only				EWAQ-E-XS/XL	180	200	230	260	320	340
Cooling capacity	Nom.			kW	178	200	226	263	315	334
Power input	Cooling	Nom.		kW	58.0	65.4	73.8	86.2	103	110
Capacity control	Method				Step					
	Minimum capacity			%	50.0	43.0	50.0	33.0	27.0	33.0
EER					3.06				3.05	
ESEER					4.02	4.11	3.91	4.18	4.17	4.14
IPLV					4.50	4.68	4.51	4.83	4.76	4.66
Dimensions	Unit	Height		mm	2,271				2,447	
		Width		mm	1,224					
		Depth		mm	4,413		5,313		6,213	
Weight (XS)	Unit			kg	1,722	1,807	1,871	2,173	2,304	2,492
	Operation weight			kg	1,734	1,819	1,885	2,188	2,318	2,507
Weight (XL)	Unit			kg	1,876	1,965	2,032	2,370	2,507	2,705
	Operation weight			kg	1,889	1,978	2,047	2,385	2,522	2,719
Water heat exchanger	Type				Plate heat exchanger					
	Water volume			l	12		14			
	Water flow rate	Cooling	Nom.	l/s	8.5	9.6	10.8	12.6	15.1	16.0
	Water pressure drop	Cooling	Nom.	kPa	27	34	35	47		54
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler					
Compressor	Type				Scroll compressor					
	Quantity				2			3		
Fan	Type				Direct propeller					
	Quantity				4		5		6	
	Air flow rate	Nom.		l/s	21,845	21,148	26,874	25,884	32,953	32,065
	Speed			rpm	900					
Sound power level (XS)	Cooling	Nom.		dBA	93	94	96	95	96	97
Sound power level (XL)	Cooling	Nom.		dBA	91	92	93	92	93	94
Sound pressure level (XS)	Cooling	Nom.		dBA	75	76			77	
Sound pressure level (XL)	Cooling	Nom.		dBA	73				74	
Operation range	Water side	Cooling	Min.~Max.	°CDB	-13~18					
	Air side	Cooling	Min.~Max.	°CDB	-18~52					
Refrigerant	Type / GWP				R-410A / 2,087.5					
	Circuits	Quantity			1					
Refrigerant charge	Per circuit			kg	28.0	31.0	34.0	40.0	43.0	53.0
	Per circuit			TCO_2Eq	58.5	64.7	71.0	83.5	89.8	110.6
Piping connections	Evaporator water inlet/outlet (OD)				3“					
Unit	Maximum starting current			A	384	482	500	447	563	577
	Nominal running current (RLA)	Cooling		A	103	115	129	151	179	190
	Maximum running current			A	133	147	165	195	227	241
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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