



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

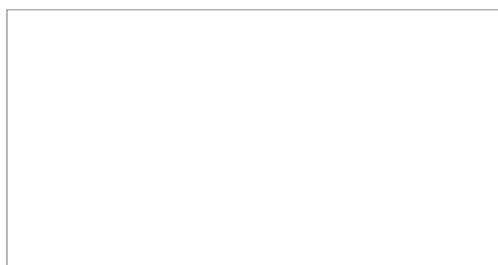
EWAQ-E-XS/XL



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.	dB(A)		93	94	96	95	96	97
Sound power level (XL)	Cooling	Nom.	dB(A)		91	92	93	92	93	94
Sound pressure level (XS)	Cooling	Nom.	dB(A)		75		76			77
Sound pressure level (XL)	Cooling	Nom.	dB(A)			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 ₂ Eq		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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ECPE15-423_1 03/15



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