



Air cooled
multi-scroll
chiller, high
efficiency,
reduced sound

EWAQ-E-XR

R-410A



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
- › The unit can be equipped with a hydraulic module optimizing installation time, space and cost

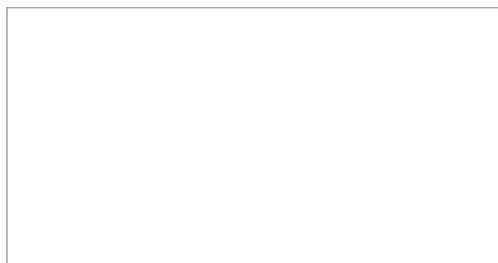
EWAQ-E-XR



Cooling only				EWAQ-E-XR	170	190	220	260	300	320
Cooling capacity	Nom.		kW		172	190	219	254	302	310
Power input	Cooling	Nom.	kW		56.5	63.6	71.8	85.4	102	107
Capacity control	Method				Step					
	Minimum capacity		%		50.0	43.0	50.0	33.0	27.0	33.0
EER					3.05	2.98	3.05	2.97	2.96	2.89
ESEER					4.45	4.57	4.33	4.65	4.62	4.50
IPLV					5.09	4.95	4.90	5.04	5.07	5.20
Dimensions	Unit	Height	mm		2,271					
		Width	mm		1,224					
		Depth	mm		4,413		5,313		6,213	
Weight	Unit		kg		1,970	2,064	2,134	2,489	2,632	2,840
		Operation weight		kg	1,982	2,076	2,148	2,503	2,647	2,855
Water heat exchanger	Type				Plate heat exchanger					
	Water flow rate	Cooling	Nom.	l/s	8.2	9.1	10.5	12.1	14.5	14.8
	Water pressure drop	Cooling	Nom.	kPa	26	39	33	44	43	52
	Water volume			l		12			14	
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		16,743	18,405	20,618	20,056	25,243	28,009
	Speed		rpm		705	784	705		784	
Sound power level	Cooling	Nom.	dBA		85	86	87	86	88	89
Sound pressure level	Cooling	Nom.	dBA		66	67	68	67	68	69
Operation range	Air side	Cooling	Min.-Max.	°CDB	-18~52					
	Water side	Cooling	Min.-Max.	°CDB	-13~18					
Refrigerant	Type / GWP				R-410A / 2,087.5					
	Circuits				1					
Piping connections	Evaporator water inlet/outlet (OD)				3"					
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400					
Refrigerant charge	Per circuit			kg	28.0	31.0	27.0	35.0	43.0	53.0
				TCO ₂ Eq	58.5	64.7	56.4	73.1	89.8	110.6

(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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