



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

EWAQ-F-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
- › 2 truly independent refrigerant circuits
- › Reduced footprint thanks to the V-shaped frame
- › Large operation range: ambient temperatures up to 52°C and down to -18°C

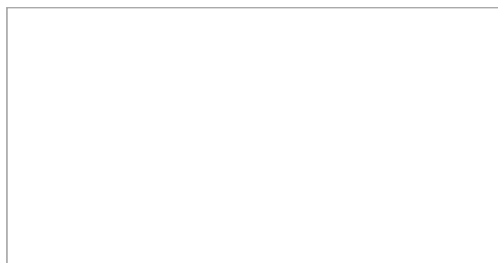
EWAQ-F-XS/XL



Cooling only				EWAQ-F-XS/XL																			
				170	200	220	250	310	320	350	360	400	430	450	520	610	680						
Cooling capacity	Nom.			kW																			
Power input	Cooling	Nom.		54.8	62.2	70.6	78.3	102		115		130	137	146	170	198	219						
Capacity control	Method			Step																			
	Minimum capacity			25.0	21.0	25.0	22.0	23.0		25.0		21.0	20.0	25.0	17.0	14.0	17.0						
EER				3.11	3.13	3.12		3.09			3.10	3.12		3.10	3.07								
ESEER				3.90	4.10	3.95	4.08	4.04	4.30	4.05	4.33	4.24	4.27	4.23	4.35	4.30	4.23						
IPLV				4.56	4.76	4.67	4.70	4.67	4.60	4.64	4.80	4.72	4.65	4.61	4.95	4.82	4.68						
Dimensions	Unit	Height	mm	2,271				2,221		2,271		2,221											
		Width	mm	1,224				2,258		1,224		2,258											
		Depth	mm	4,413		5,313		6,213		3,210		6,213		3,210		4,110		5,010		5,910			
Weight (XS)	Unit	kg		1,688	1,958	2,210	2,339	2,500	2,600	2,632	2,732	2,744	2,845	2,861	3,569	3,667	4,054						
		Operation weight		1,700	1,973	2,225	2,353	2,514		2,672		2,772		2,784	2,891	2,907	3,615	3,727	4,115				
Weight (XL)	Unit	kg		1,909	2,193	2,457	2,592	2,761	2,861	2,900	3,000	3,017	3,124	3,141	3,923	4,026	4,434						
		Operation weight		1,921	2,207	2,472	2,607	2,776	2,876	2,940	3,040	3,057	3,170	3,187	3,970	4,087	4,494						
Water heat exchanger	Type			Plate heat exchanger																			
	Water volume			l	12				14				40				46				60		
	Water flow rate	Cooling	Nom.	l/s	8.2	9.3	10.5	11.7	15.1		17.0		19.3	20.5	21.8	25.3	29.0	32.2					
	Water pressure drop	Cooling	Nom.	kPa	25	27	34	42	22		23		31	29	30	41	44	55					
Air heat exchanger	Type			High efficiency fin and tube type with integral subcooler																			
Compressor	Type			Scroll compressor																			
	Quantity			4										6									
Fan	Type			Direct propeller																			
	Quantity			4				5				6				8				10		12	
	Air flow rate	Nom.		l/s	21,845	21,148	26,874	25,204	31,722		30,245		42,296	40,326		50,408		60,489					
Speed			rpm	900																			
Sound power level (XS)	Cooling	Nom.		dBA	91	93	94	95	96				97	98		99	100						
Sound power level (XL)	Cooling	Nom.		dBA	90	91	92		93				95				96	97					
Sound pressure level (XS)	Cooling	Nom.		dBA	72	74	75	76	77	76	77	78		79	78	79							
Sound pressure level (XL)	Cooling	Nom.		dBA	71	73			74				75				76						
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	2																		
Refrigerant charge	Per circuit			kg	14.0	15.5	16.5	20.0	26.0				31.0		37.0	36.0	41.5						
	Per circuit			TCO ₂ Eq	29.2	32.4	34.4	41.8	54.3				64.7		77.2	75.2	86.6						
Piping connections	Evaporator water inlet/outlet (OD)			3"																			
	Unit	Maximum starting current			A	281	338	353	408	480		509		629	643	657	642	768	818				
		Nominal running current (RLA) Cooling			A	110	117	128	141	181		202		229	240	254	300	343	379				
Maximum running current			A	138	149	164	180	229		258		294	308	322	391	433	482						
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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