



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

EWAQ-F-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
- › 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-XR



Cooling only				EWAQ-F-XR																		
				170	190	210	240	300	310	330	340	390	410	430	500	580	650					
Cooling capacity	Nom.	kW		165	188	211	236	304		340		385	407	433	502	579	645					
Power input	Cooling	kW		53.0	61.2	68.7	77.3	101		117		128	136	146	170	200	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			3.12	3.07	3.08	3.05	3.00		2.92		3.01	2.99	2.96		2.90	2.95						
ESEER			4.53	4.64	4.51	4.60	4.53	4.68	4.44	4.63	4.68	4.64	4.54	4.82	4.69	4.65						
IPLV			5.25	5.04	5.19	5.27	5.04	5.16	5.01	4.89	5.04	4.90	4.99	5.13	5.15	5.18						
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		6,213		3,210		4,110		5,010		5,910				
Weight	Unit	kg		2,004	2,303	2,580	2,722	2,900	3,000	3,045	3,145	3,168	3,280	3,298	4,120	4,228	4,655					
	Operation weight	kg		2,017	2,317	2,594	2,736	2,914	3,014	3,085	3,185	3,208	3,326	3,344	4,166	4,288	4,716					
Water heat exchanger	Type	Plate heat exchanger																				
	Water volume	l		12				14				40				46		60				
	Water flow rate	Cooling	Nom.	l/s		7.9	9.0	10.1	11.3	14.5		16.3		18.4	19.5	20.7	24.0	27.7	30.9			
Air heat exchanger	Type	High efficiency fin and tube type with integral subcooler																				
	Compressor	Type	Scroll compressor																			
Fan	Quantity	4																				
	Type	Direct propeller																				
Sound power level	Quantity	4				5				6				8				10				12
	Air flow rate	Nom.	l/s		16,743	16,285	20,618	19,522	24,428		23,426		32,570	31,235		39,044		46,852				
Sound pressure level	Speed	rpm																				
	Cooling	Nom.	dB(A)		83	84	85	86	87				89		90	89	90	92				
Operation range	Cooling	Nom.	dB(A)																			
	Water side	Cooling	Min.-Max.	°CDB																		
Refrigerant	Air side	Cooling	Min.-Max.	°CDB																		
	Type / GWP	R-410A / 2,087.5																				
Refrigerant charge	Circuits	Quantity		2																		
	Per circuit	kg		14.0	15.5	16.5	20.0	24.0	26.0		31.0		35.0		36.0	41.5						
Piping connections	Per circuit	TCO ₂ Eq		29.2	32.4	34.4	41.8	50.1	54.3		64.7		73.1		75.2	86.6						
	Evaporator water inlet/outlet (OD)	3"																				
Unit	Maximum starting current	A		276	332	346	401	472		501		618	632	646	628	754	801					
	Nominal running current (RLA)	Cooling	A		107	116	125	139	180		204	226	239	255	300	347	380					
	Maximum running current	A		132	143	157	173	220		249	283	296	310	377	419	465						
Power supply	Phase/Frequency/Voltage	Hz/V		3~/50/400																		

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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