



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

EWAQ-F-SR

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-SR



Cooling only				EWAQ-F-SR	200	220	240	270	300	330	340	370	380	460	530	580										
Cooling capacity	Nom.			kW	198	214	235	270	298	341		383		456	527	580										
Power input	Cooling	Nom.		kW	73.4	86.0	95.6	110	125	144		159		191	208	233										
Capacity control	Method			Step																						
	Minimum capacity			%	25.0	22.0	25.0	23.0	25.0	21.0		25.0		17.0	14.0	17.0										
EER					2.70	2.49	2.46	2.45	2.38	2.37		2.41		2.39	2.53	2.49										
ESEER					4.27	4.20	4.13	4.16	4.08	4.10	4.27	4.03	4.16	4.53	4.49	4.43										
IPLV					4.96	4.89	4.82	4.92	4.85	4.71	4.86	4.61	4.73	5.09	5.00	4.93										
Dimensions	Unit	Height	mm		2,271					2,221		2,397		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							
Weight	Unit			kg	2,412		2,491		2,571		2,661		2,799		2,899		3,116		3,216		3,481		3,863		4,108	
	Operation weight			kg	2,424		2,504		2,585		2,676		2,814		2,914		3,156		3,256		3,527		3,909		4,154	
Water heat exchanger	Type			Plate heat exchanger																						
	Water volume			l	12			14			40			46												
	Water flow rate	Cooling	Nom.	l/s	9.5	10.2	11.3	13.0	14.3	16.3		18.3		21.8	25.2	27.8										
	Water pressure drop	Cooling	Nom.	kPa	34	40	48	51	63	27		29		31	42	51										
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											
	Air flow rate	Nom.		l/s	16,743		16,285		20,929		20,356		25,115		24,922		33,487		41,858		40,713					
	Speed			rpm	705																					
Sound power level	Cooling	Nom.		dB(A)	85	86	87			89			90		89	91	92									
Sound pressure level	Cooling	Nom.		dB(A)	66	67	68			69	70	71	70	71	72											
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	16.0		18.0		19.0		20.0		23.0		27.0		28.0		32.5		40.0					
	Per circuit			TCO ₂ Eq	33.4		37.6		39.7		41.8		48.0		56.4		58.5		67.8		83.5					
Piping connections	Evaporator water inlet/outlet (OD)			3"																						
Unit	Maximum starting current			A	344	398	414	469	498	613		641		623	754	796										
	Nominal running current (RLA)	Cooling		A	129	149	164	189	214	247		270		328	359	398										
	Maximum running current			A	155	170	186	218	247	277		305		372	419	460										
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400																					

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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