

Air cooled
multi-scroll
inverter chiller,
high efficiency,
standard sound

EWAQ-GZXS



R-410A



Inverter



Scroll compressor

- › High efficiency DC inverter scroll compressors
- › Advanced compressor and fan design resulting in low operating sound levels
- › Dual independent refrigerant circuit for built-in redundancy and reliable operation
- › Wide operating range in cooling mode
- › MicroTech III controller with superior control logic and easy interface

EWAQ-GZXS



Cooling only				EWAQ-GZXS	210	270	320	340	400
Cooling capacity	Nom.			kW	201	270	323	340	395
Power input	Cooling	Nom.		kW	72.5	94.0	122	117	144
Capacity control	Method				Stepless				
	Minimum capacity			%	14.4	14.3	14.9	14.3	14.8
EER					2.77	2.87	2.64	2.92	2.75
ESEER					4.79	4.89	4.90	4.77	4.78
IPLV					5.11	5.26	5.40	5.21	5.23
Dimensions	Unit	Height		mm	2,270	2,223			
		Width		mm	1,290	2,234			
		Depth		mm	4,450	3,560		4,460	
Weight	Unit			kg	1,600	2,100	2,150	2,400	2,500
	Operation weight			kg	1,677	2,233	2,297	2,575	2,688
Water heat exchanger	Type				Plate heat exchanger				
	Water volume			l	29	61	75	79	92
	Water flow rate	Cooling	Nom.	l/s	9.6	12.9	15.4	16.3	18.9
	Water pressure drop	Cooling	Total	kPa	27	14	15	16	18
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler				
Compressor	Type				DC Inverter Scroll				
	Quantity				6	8	10		12
Fan	Type				Direct propeller				
	Quantity				4	6		8	
	Air flow rate	Nom.		l/s	17,473	26,209		34,946	
Sound power level	Cooling	Nom.		dB(A)	92	94		96	
				dB(A)	75	78		79	
Operation range	Water side	Cooling	Min.-Max.	°CDB	-8~20				
	Air side	Cooling	Min.-Max.	°CDB	-18~43				
Refrigerant	Type / GWP				R-410A / 2,087.5				
	Circuits	Quantity			1	2			
Refrigerant charge	Per circuit			kg	48.0	36.0		48.0	
	Per circuit			TCO _{Eq}	100.2	75.2		100.2	
Piping connections	Evaporator water inlet/outlet (OD)				2.5"	4.5"			
Unit	Maximum starting current			A	2				
	Nominal running current (RLA)	Cooling		A	114	155	195	189	227
	Maximum running current			A	155	236	281	286	309
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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ECPEN15-425_1 03/15



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