

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

EWAQ-GZXR



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
- › Reduced footprint thanks to the V-shaped frame

# EWAQ-GZXR



Cooling only		EWAQ-GZXR		190	270	320	340	390	
Cooling capacity	Nom.		kW	196	264	315	334	386	
Power input	Cooling	Nom.	kW	73.3	94.8	124	117	145	
Capacity control	Method	Stepless							
	Minimum capacity		%	14.4	14.3	14.9	14.3	14.8	
EER				2.68	2.79	2.53	2.86	2.65	
ESEER				4.88	4.95	5.05	5.07		
IPLV				5.16		5.25	5.27	5.24	
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	1,618	2,124	2,180	2,430	2,536	
	Operation weight		kg	1,695	2,257	2,327	2,605	2,724	
Water heat exchanger	Type	Plate heat exchanger							
	Water flow rate	Cooling	Nom.	l/s	9.4	12.6	15.0	16.0	18.5
	Water pressure drop	Cooling	Total	kPa	26	14	15		17
	Water volume			l	29	61	75	79	92
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	15,131	22,697			30,263	
	Speed		rpm		715				
Sound power level	Cooling	Nom.	dB(A)	89	91			92	
Sound pressure level	Cooling	Nom.	dB(A)	72	74			75	
Operation range	Air side	Cooling	Min.-Max.	°CDB	-18~43				
	Water side	Cooling	Min.-Max.	°CDB	-8~20				
Refrigerant	Type / GWP	R-410A / 2,087.5							
	Circuits	Quantity		1	2				
Refrigerant charge	Per circuit		kg	48.0	36.0			48.0	
			TCO <sub>2</sub> Eq	100.2	75.2			100.2	
Piping connections	Evaporator water inlet/outlet (OD)			2.5"	4.5"				
Unit	Starting current	Max		A	2				
	Running current	Cooling	Nom.	A	116	157	199	190	231
		Max		A	153	234	279	283	306
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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