

Air cooled scroll inverter chiller

- › Inverter chiller
- › High part load efficiency for low running cost
- › Minimal starting currents
- › No buffertank required for standard applications
- › Daikin scroll compressor
- › Wide operation range
- › Integrated hydronic module on request
- › EWAQ-CWP: Version with standard pump
- › EWAQ-CWH: Version with optional high static pump



Cooling Only		EWAQ	016CWP	021CWP	025CWP	032CWP	040CWP	050CWP	064CWP	016CWH	021CWH	025CWH	032CWH	040CWH	050CWH	064CWH	
Space cooling	A Condition 35°C Pdc	kW	17.0	21.2	25.5	31.8	42.3	50.7	63.4	17.1	21.3	25.5	31.8	42.4	50.8	63.5	
	ηs,c	%	184	178	180	163	168	172	161	178	173	176	161	163	168	158	
Cooling capacity	Nom.	kW	17.0	21.2	25.5	31.8	42.3	50.7	63.3	17.0	21.2	25.5	31.8	42.3	50.7	63.3	
Power input	Cooling Nom.	kW	5.81	7.47	9.45	12.7	15.1	19.0	25.5	5.81	7.47	9.45	12.7	15.1	19.0	25.5	
Capacity control	Method		Inverter controlled														
	Minimum capacity	%	25														
EER			2.93	2.84	2.70	2.50	2.80	2.67	2.48	2.93	2.84	2.70	2.50	2.80	2.67	2.48	
ESEER			4.85	4.70	4.57	4.10	4.40	4.36	4.05	4.69	4.58	4.47	4.06	4.27	4.26	3.98	
Dimensions	Unit	Height	mm														
		Width	1,684														
		Depth	mm			mm			mm			mm			mm		
			1,370			1,680			2,360			2,980			1,370		
			774			780			774			780			780		
Weight	Unit		kg		kg		kg		kg		kg		kg		kg		
			280		332		414		604		765		283		336		
Water heat exchanger	Type		Braze plate														
	Water volume	l	3			5			6			9			3		
	Water pressure drop	kPa	8	10	14	8	10	14	8	10	14	8	10	14	8	10	
Air heat exchanger	Type		Air cooled coil														
Compressor	Type		Hermetically sealed scroll compressor														
	Quantity		1	2	3	4	4	6	1	2	3	4	6				
Fan	Type		Axial														
	Quantity		1			2			4			1			2		
	Air flow rate	Cooling Nom.	m³/min		m³/min		m³/min		m³/min		m³/min		m³/min		m³/min		
			171		185		233		370		466		171		185		
Sound power level	Cooling Nom.	dBA	78.0			80.0			81.0			83.0			78.0		
Operation range	Air side Cooling	Min.-Max.	°CDB														
	Water side Cooling	Min.-Max.	°CDB														
			-5~43														
			-10~20														
Refrigerant	Type/GWP		R-410A/2,087.5														
	Control		Electronic expansion valve														
	Circuits	Quantity	1			2			1			2			2		
Refrigerant charge	Per circuit	kg	7.60			9.60			7.60			9.60			7.60		
	Per circuit	TCO2Eq	15.9			20.0			15.9			20.0			15.9		
Water circuit	Piping connections diameter	inch	1-1/4" (female)			2" (female)			1-1/4" (female)			2" (female)			2" (female)		
	Piping	inch	1-1/4"			1-1/2"			1-1/4"			1-1/2"			1-1/2"		
Unit	Starting current	Max	A		A		A		A		A		A		A		
	Running current	Max	22.2		25.3		26.4		35.2		47.4		49.6		67.2		
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/400														