

# Air cooled mini inverter chiller

EWAQ-ACV3/W1



**R-410A**



Inverter



Scroll compressor

- › Inverter technology to ensure low sound values and leader-of-class ESEER
- › Wide operating range
- › Built-in hydronic module: no buffer tank required, standard pump and main switch are included

- › Easy, 'plug and play' installation
- › Single phase power supply for residential applications, three phase power supply model available for light commercial applications

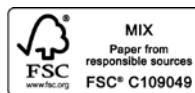
# EWAQ-ACV3/W1



Heating & Cooling				EWAQ-ACV3/ACW1	009ACV3	010ACV3	011ACV3	009ACW1	011ACW1	013ACW1	
Cooling capacity	Nom.		kW	12.2 (1) / 8.6 (2)	13.6 (1) / 9.6 (2)	15.7 (1) / 11.1 (2)	12.9 (1) / 9.1 (2)	15.7 (1) / 11.1 (2)	17.0 (1) / 13.3 (2)		
Power input	Cooling	Nom.	kW	2.85 (1) / 2.83 (2)	3.41 (1) / 3.28 (2)	4.13 (1) / 3.90 (2)	3.08 (1) / 3.05 (2)	4.13 (1) / 3.90 (2)	5.52 (1) / 5.18 (2)		
Capacity control	Method			Inverter controlled							
EER				4.27 (1) / 3.05 (2)	4.00 (1) / 2.93 (2)	3.79 (1) / 2.85 (2)	4.19 (1) / 2.99 (2)	3.79 (1) / 2.85 (2)	3.08 (1) / 2.57 (2)		
ESEER				4.31	4.30	4.33	4.43	4.44	4.36		
Dimensions	Unit	Height	mm	1,435							
		Width	mm	1,418							
		Depth	mm	382							
Weight	Unit		kg	180							
Water heat exchanger	Type			Brazen plate							
	Quantity			1							
	Water volume		l	1.01							
	Nominal water flow	Cooling	l/min	24.7	27.6	31.9	26.1	31.9	38.2		
Air heat exchanger	Type			Hi-XSS							
Hydraulic components	Expansion vessel	Volume	l	10							
Compressor	Type			Hermetically sealed scroll compressor							
	Quantity			1							
Fan	Type			Propeller fan							
	Quantity			2							
	Air flow rate	Cooling	Nom.	m <sup>3</sup> /min	96	100	97		-		
Fan motor	Speed	Cooling	Nom.	rpm	780						
		Steps			8						
Sound power level	Cooling	Nom.	dB(A)	64							66
Sound pressure level	Cooling	Nom.	dB(A)	51							52
		Night quiet mode	dB(A)	45							46
Operation range	Water side	Cooling	Min.~Max.	°CDB	5~22						
	Air side	Cooling	Min.~Max.	°CDB	10~46						
Refrigerant	Type / GWP			R-410A / 2,087.5							
	Control			Electronic expansion valve							
	Circuits	Quantity		1							
Refrigerant charge	Per circuit		kg	2.95							
	Per circuit		TCO <sub>2</sub> Eq	6.2							
Water circuit	Piping connections diameter		inch	G 5/4" (female)							
	Piping		inch	5/4"							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/230				3N~/50/400			

(1) Underfloor program: cooling Ta 35°C - LWE 18°C (Dt: 5°C); (2) Fan coil program: cooling Ta 35°C - LWE 7°C (Dt: 5°C);  
 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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