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

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Digital controller

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					Brazed 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^3/min	96	100	97	-		
Fan motor	Speed	Cooling	Nom.		rpm	780					
		Steps				8					
Sound power level	Cooling	Nom.			dBA	64					66
Sound pressure level	Cooling	Nom.			dBA	51					52
	Cooling	Night quiet mode			dBA	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_2Eq	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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