



Air cooled scroll inverter chiller

EWAQ-BAWN/BAWP

R-410A



Inverter



Scroll compressor

- › High efficiency with leader-of-class ESEER
- › Minimal starting currents and short payback times
- › Daikin scroll compressor

- › Large operation range (ambient temperature up to 43°C)
- › Centralised monitoring and control via sequencing controller and RTD-W Modbus interface

EWAQ-BAWN/BAWP



Cooling only		EWAQ-BAWN/BAWP			016	021	025	032	040	050	064			
Cooling capacity	Nom.	kW			17.4 (1) / 16.6 (2)	21.7 (1) / 20.7 (2)	25.8 (1) / 24.7 (2)	32.3 (1) / 30.9 (2)	43.4 (1) / 41.5 (2)	51.8 (1) / 49.7 (2)	64.5 (1) / 62.3 (2)			
Power input	Cooling	kW			5.60 (1) / 5.80 (2)	7.25 (1) / 7.59 (2)	9.29 (1) / 9.74 (2)	13.0 (1) / 13.5 (2)	14.7 (1) / 15.4 (2)	18.8 (1) / 19.7 (2)	26.4 (1) / 27.4 (2)			
Capacity control	Method	Inverter controlled												
	Minimum capacity	%												
EER					3.11 (1) / 2.86 (2)	2.99 (1) / 2.73 (2)	2.78 (1) / 2.54 (2)	2.48 (1) / 2.29 (2)	2.95 (1) / 2.69 (2)	2.76 (1) / 2.52 (2)	2.44 (1) / 2.27 (2)			
ESEER					4.33 (1) / 4.21 (2)	4.08 (1) / 4.18 (2)	3.85 (1) / 4.04 (2)	3.39 (1) / 3.62 (2)	4.19 (1) / 4.24 (2)	3.96 (1) / 4.12 (2)	3.64 (1) / 3.78 (2)			
Dimensions	Unit	Height	mm			1,684			1,684			2,358	2,980	
		Width	mm			1,371			774			780		
		Depth	mm			774			780					
Weight	Unit	kg			264	317	397	571	730					
		Operation weight			267	320	401	577	738					
Water heat exchanger	Type	Braze plate												
	Water volume	l			1.9			2.9			3.8			5.7
	Water flow rate	Cooling	Nom.	l/min			50	62	74	93	124	148	185	
				Water pressure drop			20	30	42	30	42	30		
Air heat exchanger	Type	Hi-XSS												
Compressor	Type	Hermetically sealed scroll compressor												
	Quantity				1	2	3	4	6					
Fan	Type	Axial												
	Quantity				1			2			4			
	Air flow rate	Cooling	Nom.	m³/min			171	185	233	370	466			
Sound power level				Cooling			Nom.			dBA				
Operation range	Water side	Cooling	Min.~Max.	°CDB			5~20			-5~43				
				Air side	Cooling	Min.~Max.	°CDB			5~20			-5~43	
Refrigerant	Type / GWP	R-410A / 2,087.5												
	Control	Electronic expansion valve												
	Circuits	Quantity	1											
Refrigerant charge	Per circuit	kg			7.6			9.6			15.2			19.2
	Per circuit	TCO ₂ Eq			15.9			20.0			31.7			40.1
Water circuit	Piping connections diameter	inch			1-1/4" (female)			2" (female)						
	Piping	inch			1-1/4"			1-1/2"						
Unit	Maximum starting current	A			0	77.7	78.7	88.7	99.8	101.9	120.7			
	Maximum running current	A			22.2	25.3	26.4	35.2	47.4	49.6	67.2			
Power supply	Phase/Frequency/Voltage	Hz/V			3N~/50/400									

(1) EWAQ-BAWN: Standard version (2) EWAQ-BAWP: Version with pump
 Condition: 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.

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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