



EWAQ-DAYN



PCASO

- > Optimised for use with R-410A
- > Reliable and efficient scroll compressors with high EER values
- > Anti-corrosion treated aluminium coils
- > Low operating sound level
- > Easy 'plug and play' installation
- > Unit dimensions allow easy transportation
- > Fans protected against abnormal operation
- > Safety valves in each circuit
- > Electronic circuit breakers
- > Electronic expansion valve
- > True dual plate brazed plate heat exchanger
- > Sight glass
- > All hydronics can be accessed easily from 3 sides (no surrounding cabinet)
- > Separate switchbox for easy access
- > Compressors and controls at unit side
- > Increased reliability via 2 independent refrigerant circuits
- > Double circuit heat exchanger (from 100kW onwards)
- > Non hermetic filter/dryer
- > Daikin Pcaso controller with user friendly interface



Cooling only

EWAQ-DAYN				080	100	130	150	180	210	240	260
Cooling capacity	Nom.		kW	79.4 (1) / 81.0 (2)	104 (1) / 106 (2)	130 (1) / 133 (2)	151 (1) / 154 (2)	181 (1) / 184 (2)	208 (1) / 211 (2)	234 (1) / 238 (2)	252 (1) / 256 (2)
Power input	Cooling	Nom.	kW	27.0 (1) / 27.6 (2)	36.9 (1) / 37.2 (2)	47.4 (1) / 48.1 (2)	57.2 (1) / 57.8 (2)	65.6 (1) / 66.5 (2)	75.9 (1) / 76.6 (2)	84.4 (1) / 84.5 (2)	95.8 (1) / 95.8 (2)
Capacity steps			%	0-50-100		0-25-50-75-100		21/29-43/50/57-71/79-100		0-25-50-75-100	
EER				2.94 (1) / 2.93 (2)	2.82 (1) / 2.85 (2)	2.74 (1) / 2.77 (2)	2.64 (1) / 2.66 (2)	2.76 (1) / 2.77 (2)	2.74 (1) / 2.75 (2)	2.77 (1) / 2.82 (2)	2.63 (1) / 2.67 (2)
ESEER				3.88 (1) / 3.82 (2)	3.79 (1) / 3.83 (2)	4.03 (1) / 3.97 (2)	3.95 (1) / 3.96 (2)	4.04 (1) / 4.02 (2)	4.00 (1) / 4.02 (2)	3.89 (1) / 4.00 (2)	3.73 (1) / 3.84 (2)
Dimensions	Unit	HeightxWidthxDepth	mm	2,311x2,000x2,566		2,311x2,000x2,631		2,311x2,000x3,081		2,311x2,000x4,850	
Weight	Unit		kg	1,350	1,400	1,500	1,550	1,800	1,850	3,150	3,250
	Operation weight		kg	1,365	1,415	1,517	1,569	1,825	1,877	3,189	3,292
Water heat exchanger	Type			Brazed plate							
	Nominal water flow	Cooling	l/min	229	301	377	436	522	599	677	728
	Nominal water pressure drop	Cooling	Total	kPa	59	58	52	49	52	53	51
Air heat exchanger	Type			Cross fin coil/Hi-Xss tubes and poly ethylene coated waffle fins							
Compressor	Type			Scroll compressor							
	Quantity			2		4		2	4	2	4
Compressor 2	Quantity					-		2	-	2	-
Fan	Quantity				4			6			8
	Air flow rate	Nom.	m ³ /min	780		800	860		1,290		1,600
	Speed		rpm	880		900		970			900
Sound power level	Cooling	Nom.	dBA	86		88	89		90		91
	Operation range	Water side	Cooling	Min.-Max. °CDB	-10~25						
	Air side	Cooling	Min.-Max. °CDB	-15~43							
Refrigerant	Type			R-410A							
	Control			Electronic expansion valve							
	Circuits	Quantity		1				2			
Refrigerant circuit	Charge		kg	33		19	23	31	30	40	39
Refrigerant circuit 2	Charge		kg	-		19	23	31	30	40	39
Piping connections	Water heat exchanger inlet / outlet			3" OD							
	Water heat exchanger drain			1/2"G							
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/400							

(1) For -N models (standard) (2) For -P models (with optional pump / + OPSP) and for -B models (with optional pump and buffertank / + OPSP + OPBT)