Air cooled mini inverter heat pump

EWYQ-BVP

Inverter

Swing compressor

- Top product in terms of energy efficiency and operation range
- All capacities available in 2 versions: standard version and version with OP10 option (no freeze up of water when not in operation thanks to the water piping heater tape)
- Built-in Hydraulic kit: no buffer tank required, standard inverter driven pump, main flow sensor and switch included.
- Standard wired remote control enables setting of different set points (cooling, heating, water leaving temperature) or based on outdoor conditions (weather dependent control). It has an alarm history, night time noise reduction function and is language based.
- Amongst the most quiet units in the market (63dBA - sound power)

EWYQ-BVP

EWAQ004-005BVP

EWYQ006-008BVP

EKRUMCL1

Heating & Cooling					EWYQ-BVP	004	005	006	008
Cooling capacity	Min.				kW	2.0 (1)		3.0 (1)	
	Nom.				kW	4.00 (1) / 4.01 (2)	4.93 (1) / 5.07 (2)	5.88 (1) / 6.07 (2)	7.95 (1) / 8.23 (2)
Heating capacity	Min.				kW	2.5 (3)		3.0 (3)	
	Nom.				kW	4.11 (3) / 3.96 (4)	4.99 (3) / 4.99 (4)	6.14 (3) / 6.12 (4)	8.08 (3) / 8.44 (4)
	Max.				kW	5.1 (3)	6.0 (3)	-	
Power input	Cooling	Nom.			kW	1.27 (1) / 0.840 (2)	1.61 (1) / 1.12 (2)	1.87 (1) / 1.13 (2)	2.57 (1) / 1.65 (2)
	Heating	Nom.			kW	1.19 (3) / 0.860 (4)	1.46 (3) / 1.09 (4)	1.75 (3) / 1.28 (4)	2.31 (3) / 1.84 (4)
Capacity control	Method					Variable (inverter)			
EER						3.14 (1) / 4.80 (2)	3.06 (1) / 4.51 (2)	3.15 (1) / 5.35 (2)	3.10 (1) / 4.99 (2)
COP						3.44 (3) / 4.61 (4)	3.41 (3) / 4.58 (4)	3.51 (3) / 4.77 (4)	3.49 (3) / 4.59 (4)
ESEER						4.45	4.49	5.25	5.24
Space heating	Average climate water outlet 55°C	General	SCOP			2.92	3.01	3.19	3.17
			ηs (Seasonal space heating efficiency)		%	114	118	124	
			Seasonal space heating eff. class			A+			
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)		%	155	159	158	165
			SCOP			3.90	4.03		4.21
			Seasonal space heating eff. class			A++			
Dimensions	Unit	Height x Width x Depth			mm	735 x 1,090 x 350		997 x 1,160 x 380	
	Packed unit	Height x Width x Depth			mm	880 x 1,166 x 432		1,138 x 1,276 x 450	
Weight	Unit				kg	83		106	
Water heat exchanger	Type					Brazed plate			
	Water flow rate	Cooling	Nom.		l/min	11.5 (1) / 11.5 (2)	14.1 (1) / 14.5 (2)	16.9 (1) / 17.4 (2)	22.8 (1) / 23.6 (2)
		Heating	Nom.		l/min	11.8 (3) / 11.4 (4)	14.3 (3) / 14.3 (4)	17.6 (3) / 17.5 (4)	23.2 (3) / 24.2 (4)
	Water volume				l	1		2	
Air heat exchanger	Type					Cross fin coil/Hi-X tubes and chromate coated waffle louvre fins		Cross fin coil/Hi-X tubes and PE coated waffle louvre fins	
Pump Standard	Nominal ESP unit	Cooling			kPa	73.8 (1) / 73.8 (2)	71.1 (1) / 70.6 (2)	70.9 (1) / 70.2 (2)	61.5 (1) / 59.9 (2)
		Heating			kPa	73.5 (3) / 73.9 (4)	70.9 (3) / 70.9 (4)	69.9 (3) / 70.0 (4)	60.8 (3) / 58.7 (4)
Hydraulic components	Expansion vessel	Volume			l	3		7	
Compressor	Type					Hermetically sealed swing compressor			
	Quantity					1			
Fan	Type					Propeller fan			
	Quantity					1			
	Air flow rate	Cooling	Nom.		m^3/min	53		72 (1)	
		Heating	Nom.		m^3/min	47.0		46.6 (3)	49.3 (3)
Sound power level	Cooling/Heating	Nom.			dBA	63 (1) / 65 (3)	64 (1) / 65 (3)	69 (1) / 65 (3)	
Sound pressure level	Cooling/Heating	Nom.			dBA	48 / 49	49 / 49	52 / 47	53 / 47
	Night quiet mode	Cooling/Heating			dBA	44 / 46		43 / 43	
Operation range	Air side	Cooling	Min.~Max.		°CDB	10~43		10~46	
		Heating	Min.~Max.		°CDB	-20~25		-15~25	
	Water side	Cooling	Min.~Max.		°CDB	5~22			
		Heating	Min.~Max.		°CDB	15~55			
Refrigerant	Type / GWP					R-410A / 2,088		R-410A / 2,087.5	
	Circuits	Quantity				1			
	Control					Electronic expansion valve			
Refrigerant charge	Per circuit				kg	2.10		2.70	
					TCO_2eq	4.4		5.6	
Water circuit	Piping				inch	1" MBSP		1" MBSP	
Unit	Starting current	Max			A	15.7		19.9	
	Running current	Max			A	15.7		19.9	
Power supply	Phase/Frequency/Voltage				Hz/V	1N~/50/230			

(1) Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; ambient air temp. 35°C
(2) Cooling: entering evaporator water temp. 23°C; leaving evaporator water temp. 18°C; ambient air temp. 35°C; standard: non-Eurovent
(3) Heating: entering condenser water temp. 40°C; leaving condenser water temp. 45°C; ambient air temp. 7°CDB, 6°CWB; standard: Eurovent
(4) Heating: entering condenser water temp. 30°C; leaving condenser water temp. 35°C; ambient air temp. 7°CDB, 6°CWB; standard: Eurovent

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

Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Liquid Chilling Packages and Hydronic Heat Pumps, Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: www.eurovent-certification.com

ECPEN17-421_3A 10/17