

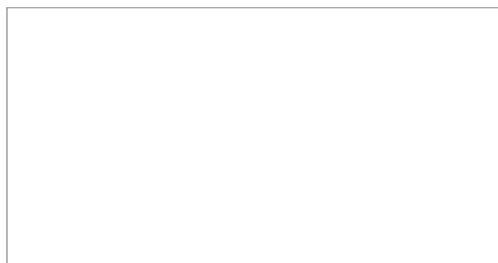
EWYQ-BVP



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)			-
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
			<small>η_s (Seasonal space heating efficiency)</small>	%	114	118	124	
	Average climate water outlet 35°C	General	<small>η_s (Seasonal space heating efficiency)</small>	%	155	159	158	165
			SCOP		3.90	4.03		4.21
			<small>Seasonal space heating eff. class</small>		A+			
			<small>Seasonal space heating eff. class</small>		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				Brazen 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)		69 (1) / 65 (3)		
Sound pressure level	Cooling/Heating	Nom.	dBA	48 / 49		49 / 49	52 / 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 ₂ eq		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

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