



EWH-H HE

Water cooled heating only heat pump



- Compact dimensions
- Load-bearing and robust structure
- Optional hydronic kit included
- Low noise level

EWH-H HE is a well water heat pump, for heating only, for indoor installation.

Ewh-H/STD (standard):

Single unit mounted on powder painted galvanised steel bearing structures. Scroll compressor with crankcase resistance, brazed plate evaporator and condenser. The cooling circuit has a dehydration filter and liquid/humidity indicator. Microprocessor regu-

lation control all the working parameters and active components in the circuit. General isolation switch with door blocking device.

Ewh-H/AP (with storage tank and pump):

Fitted like the basic version, but with 1 circulation unit or axial pump fitted, water storage tank, expansion tank, safety valve, flow switch.

Accessories

Refrigerants gauges	Crankcase heater di serie (INCLUDED)
Top remote control	Amb. temp. Sensor (DYN. SET POINT)
Anti-vibration mount feet	



Ewh-h HE Technical Data

EW-H HE		05-1	06-1	09-1	11-1	14-1	19-1	25-1	29-1	36-1	151	092	102	122	152	
Energetic class		A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	
Heating capacity (1)	kW	6,7	8,5	11,9	14,3	17,8	23,7	31,3	36,3	47,7	53,8	62,7	72,6	94,1	107,7	
COP (1)	-	5,1	5,1	5,1	5,2	5,2	5,3	5,2	5,3	5,2	5,2	5,7	5,3	5,2	5,2	
Scroll Compressors	n°	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
Refrigerant Circuits	n°	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Capacity steps	n°	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
Supply voltage	V/Ph/Hz	230/1/50					400/3/50									
Sound power LwA (2)	dB(A)	63,4	63,4	67,9	66,7	67,3	70,3	73,1	75,3	75,8	79,7	76,1	78,3	78,8	82,7	
Sound pressure LpA (3)	dB(A)	52,4	52,4	56,9	55,7	56,3	59,3	62,1	64,3	64,8	68,7	65,1	67,3	67,8	71,7	
COMPRESSOR																
Power input *	kW	1,2	1,5	2,1	2,4	3,0	3,9	5,3	6,1	8,1	9,3	5,3	6,1	8,1	9,3	
Current input *	A	6	7	10	13	7	9	11	13	16	19	11	13	16	19	
Max current *	A	11	15	23	24	11	15	20	29	32	35	20	29	32	35	
Current at start *	A	47	61	100	114	66	101	130	130	145	175	130	130	145	175	
USER PLANT SIDE																
Brazed plate exchanger	n°	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Water flow	l/s	0,24	0,32	0,44	0,54	0,66	0,88	1,19	1,38	1,81	2,07	2,38	2,77	3,62	4,11	
Pressure drops	kPa	3,6	6,1	4,0	5,9	5,5	9,8	8,8	11,9	15,8	7,4	9,8	10,9	11,5	10,6	
EXTERNAL SOURCE																
Brazed plate exchanger	n°	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Water flow	l/s	0,098	0,126	0,176	0,213	0,263	0,350	0,471	0,546	0,718	0,820	0,942	1,093	1,434	1,63	
Pressure drops	kPa	0,6	1,0	0,6	0,9	0,9	1,5	1,4	1,9	2,5	1,2	1,5	1,7	1,8	1,7	
Water flow in winter	l/s	0,26	0,33	0,46	0,56	0,69	0,93	1,04	1,26	1,45	1,78	2,38	2,76	3,67	4,19	
Pressure drops	kPa	4	6,6	4,4	6,5	6,1	10,9	6,8	9,9	10,2	5,5	9,8	10,8	11,9	11	
TOTAL ELECTRIC ABSORPTION																
Power input in winter	kW	1,31	1,68	2,34	2,75	3,44	4,48	5,97	6,85	9,12	10,40	11,93	13,70	18,24	20,81	
Current input in winter	A	6,6	7,9	11,0	14,1	7,1	9,1	12,1	14,0	17,2	20,2	24,2	28,0	34,3	40,3	
Max current	A	11,4	14,8	23,1	23,5	11,0	15,0	20,0	29,0	32,0	35,0	40,0	58,0	64,0	70,0	
Current at start	A	47	61	100	114	66	101	130	130	145	175	141	143	161	194	
SIZES AND WEIGHT																
Length	mm	660	660	600	600	600	600	600	600	600	600	1300	1300	1300	1300	
Depth	mm	450	450	570	570	570	570	570	570	570	570	680	680	680	680	
Height	mm	1112	1112	1220	1220	1220	1220	1220	1220	1220	1365	1220	1220	1220	1220	
Weight	Kg	69	73	85	95	114	129	180	185	202	270	365	370	372	422	
Lenght AP	mm	660	660	1000	1000	1000	1000	1000	1000	1000	-	-	-	-	-	
Depth AP	mm	450	450	570	570	570	570	570	570	570	-	-	-	-	-	
Height AP	mm	1112	1112	1220	1220	1220	1220	1220	1220	1220	-	-	-	-	-	
Weight AP	Kg	115	118	129	136	181	196	248	253	268	-	-	-	-	-	
VERSION WITH WATER VESSEL AND PUMP																
Contentence	l	30	30	70	70	70	70	70	70	70	-	-	-	-	-	
Pump externe pressure	kPa	42	32	64	59	184	161	155	141	117	-	-	-	-	-	
Pump power input	KW	0,09	0,09	0,21	0,21	0,37	0,37	0,37	0,37	0,37	-	-	-	-	-	
Pump current input	A	0,4	0,4	1,0	1,0	3,0	3,0	1,4	1,4	1,4	-	-	-	-	-	
EXPANSION VESSEL																
Volume	l	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	6,0	-	-	-	-	-	
Max. water pressure	kPa	300	300	300	300	300	300	300	300	300	-	-	-	-	-	
Nitrogen pre-charge pressure	kPa	150	150	150	150	150	150	150	150	150	-	-	-	-	-	
Quantity	n°	1	1	1	1	1	1	1	1	1	-	-	-	-	-	

(1) Cooling Operating conditions: plant exchanger water (inlet/outlet) 30/35°C; ext.l source water temperature(inlet/outlet) 15/10 °C

(2) Noise pressure according to ISO 3744

(3) Sound pressure at 1 meters in free field

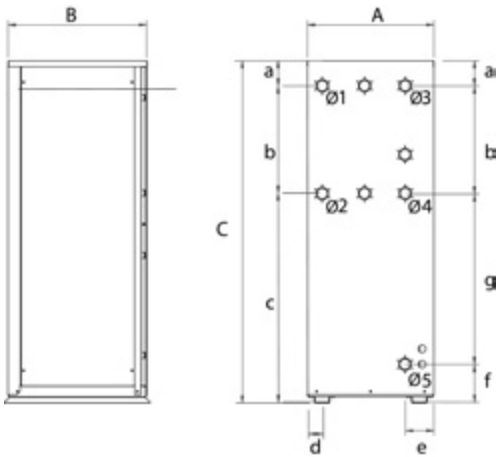
* Consumptions referred to a single compressor

Water flow and pressure drop plant exchanger are calculated with clean water.

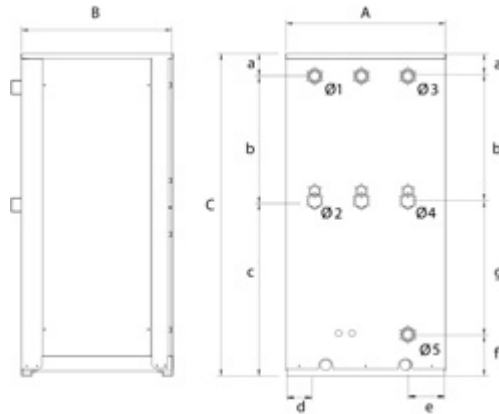
COP Referred to compressor only

Technical Drawings Ewh-h HE

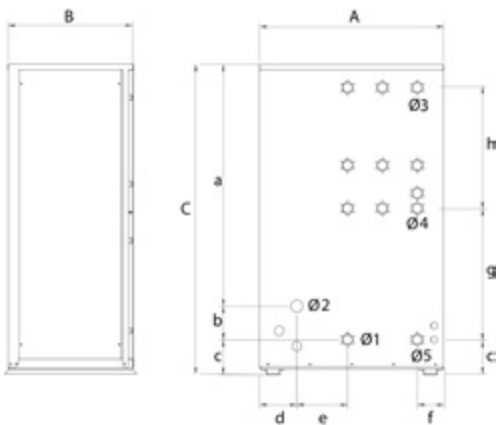
EWH-H 05-06/1



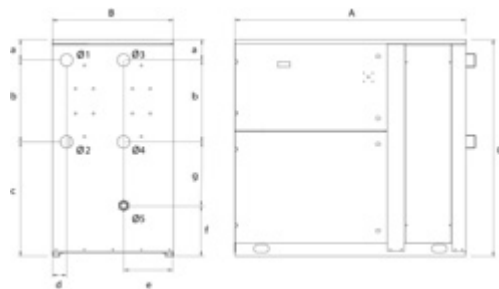
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EWH-H/AP 05-06/1



EWH-H 092-102-122-152



SYMBOLS LEGEND

- Ø1 = plant exchanger inlet water
- Ø2 = plant exchanger outlet water
- Ø3 = well water inlet
- Ø4 = well water outlet
- Ø5 = not available

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