



Heatpump Water/Water on R134a type WHK

Non-reversible heatpump Water/Water for the production of hot water. The units are equipped with hermetic scroll compressors. For indoor installation. Refrigerant R134a. These units can be used for geothermal applications (low temperatures) or as well as a booster heatpump (high temperatures). Tandem technology offers multiple capacity stages and increases efficiency at part load. This also improves performance. **Only sell to certified air-conditioning installers. Mandatory commissioning by CAIROX.**

Brand

- Emicon

Application

- Geothermal applications (low temperatures)
- Booster heatpump (high temperatures).

Characteristics

- Heating capacity: 37 to 301 kW

Composition

- Refrigerant gas R134a
- Scroll compressors
- Power supply 400V/3ph/50Hz
- Microprocessor controller
- Water temperatures up to 78°C
- Indoor installation only

Options

- DSSE Electronic soft starter
- HWEB Supervision Module via Internet
- INSE Serial Card RS485
- KAVG Rubber Vibration Dampers
- KAVM Vibration dampers with springs
- MAML HD and LD pressure gauges mounted in front panel
- PCRL Remote Control Panel
- SGRS Master-Slave Cards

- SOND Outdoor sensor for weather dependent control
- VTEE Electronic Expansion Valve

Versions

- LT Low source and user temperature (geothermal)
- HT High source and user temperature (booster)
- XL Extra low noise
- P2U Version 2 pipes

Order example

WHK 0302/HT/XL/HH/P2U

Explanation

30 Nominal heating capacity (KW)

2 Number of compressors

HT High source- and user temperature

XL Super low noise execution

HH Only heating

P2U Two pipes configuration

		Specifications						
		312	412	612	712	912	1212	1412
WHK HT XL HH - P2U application 78°C (Booster)								
Heating Capacity (EN14511) Source 40/45 User 70/78°C	kW	73.3	85.6	125	142	188	233	291
Absorbed power(EN14511) Source 40/45 User 70/78°C	kW	16.4	17.4	27.1	33.4	43.3	52.9	64.6
COP	W/W	4.47	4.92	4.61	4.25	4.34	4.4	4.5
Low temperature energy class		A++	A++	A++	A++	A++	A++	A++
SCOP low temperature (EU) 811/2013	W/W	5.72	5.82	5.91	5.8	5.85	5.94	6.08
ns,c low température (EU) 811/2013	%	221	225	228	224	226	230	235
Medium temperature energy class		A++	A++	A++	A++	A++	A++	A++
SCOP medium temperature (EU) 811/2013	W/W	4.62	4.75	4.8	4.72	4.66	4.73	4.85
ns,c medium temperature (EU) 811/2013	%	177	182	184	181	178	181	186
Power supply	V/Hz/Ph	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50	3/400/50
Max Current consumption of the unit	A	111	129	167	208	268	325	373
Scroll Compressors / Number of circuits	n°/n°	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Power stages	n°	2	2	2	2	2	2	2
Refrigerant (GWP)		R134a (1430)						
Refrigerant filling	Kg	4	4	5	6	8	10	10
Equivalent CO ² charge	t	5.72	5.72	7.15	8.58	11.44	14.3	14.3
Sound power	dB(A)	65	65	70	73	74	76	78
Sound pressure level at 1 m (ISO EN 3744)	dB(A)	33	33	38	41	42	44	46

		Dimensions						
WHK		302	402	602	702	902	1202	1402
L	mm	1150	1150	1150	1150	1150	1150	1150
W	mm	800	800	800	800	800	800	800
H	mm	1600	1600	1600	1600	1600	1600	1600
Gewicht/Poids	kg	660	680	700	730	740	760	790

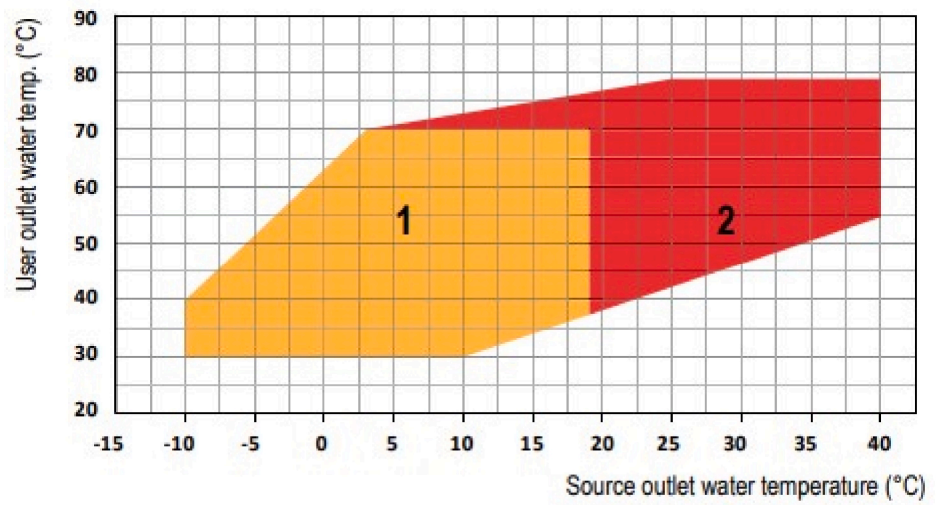
Prices

Detailed selection / quotation available on request

J.03

Air Handling
Units, chillers &
fancoils





1 Heating

2 Heating with HT version