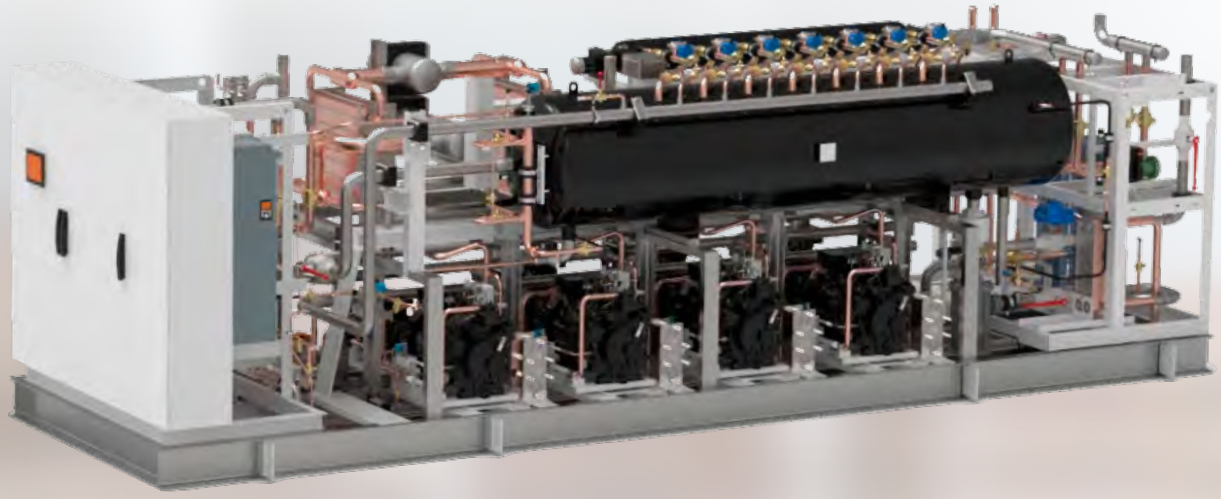
GREEN® &COOL

Low carbon heating production

HeatCOOL IL



High-temperature Industrial heat pump CO_2 natural refrigerant – Water source – IL range

- Up to 90°C hot water production
- High efficiency
- Simple / intuitive touch screen / PLC controlled
- 3 levels of heat in one unit
- Ejector technology
- Connect to BMS, smartphone, tablet, web server, and more
- Simultaneous heating and cooling
- Compact Footprint
- PFAS/TFA free refrigerant

900–1600 kW AC cooling capacity

1100–2200 kW heating capacity

HeatCO2OL IL WW		IL 1450WW	IL 1600WW	IL 1740WW	IL 1870WW	IL 2030WW
Nominal point: heating water in 30°C, out 60°C. Cooling water in 12°C, out 7°C						
Heating capacity (water in / out: 30/60°C)	kW	1450	1600	1740	1870	2030
Cooling capacity (water in/out: 12/7°C)	kW	1175	1300	1410	1520	1645
COP		3,5	3,6	3,5	3,6	3,5
EER		2,9	2,9	2,9	2,9	2,9
Eq. SEER (1)		4,2	4,3	4,2	4,3	4,2
Total COP (Cooling and heating)		6,3	6,5	6,3	6,5	6,3
Input Power	kW	404	443	484	518	565
Flow rate heating 30/60°C	m³/h	42	46	50	54	58
Flow rate cooling 12/7°C	m³/h	203	224	243	262	284
Nominal point: heating water in 30°C, out 70°C. Cooling water in 12°C, out 7°C						
Heating capacity (water in / out: 30/70°C)	kW	1470	1620	1760	1890	2055
Cooling capacity (water in/out: 12/7°C)	kW	1185	1305	1420	1525	1655
COP		3,4	3,5	3,4	3,5	3,4
EER		2,8	2,8	2,8	2,8	2,8
Eq. SEER (1)		4,2	4,3	4,2	4,3	4,2
Total COP (Cooling and heating)		6,1	6,3	6,1	6,3	6,1
Input Power	kW	423	466	507	545	591
Flow rate heating 30/70°C	m³/h	32	35	38	41	44
Flow rate cooling 12/7°C	m³/h	204	225	245	263	285
Physical properties						
Number of compressors		5	6	6	7	7
CO_2 charge (2)	kg	1400	1900	1900	1950	1950
Connection water side hot	DN	100	100	100	100	100
Connection water side cold	DN	200	200	200	250	250
Indoor version*						
Dimensions L	mm	6345	8340	8340	8340	8340
Dimensions W	mm	2200	2200	2200	2200	2200
Dimensions h	mm	2200	2200	2200	2200	2200
Operationnal weight (CO_2 + water included) (2)	kg	14600	16100	16600	17700	18200
Sound pressure level @10 m	dB(A)	70,4	70,1	71,2	70,7	71,8
Electrical data for 400/3/50 + N / EN / Short circuit current 15kA						
Maximum operating current	A	850	1020	1020	1190	1190
Nominal electric current	A	730	817	871	946	1011

** outdoor version available*
(1) SEER, we use Directive 2009/15/EC of the European Parliament and of the Council with regard to Ecodesign requirements as areference.
(2) Estimated Value – to be charged and adjusted on site
(3) The sound presure levels are mentioned in free field. Running the equipment in other conditions may lead to different results. The results obtained on the installation site may differ from those in this leaflet, due to sound reflections from walls, etc. The reduction of sound level as afunction of distance is theoretical and sound reflection and resonance may alter the results, either on total sound level or on certain frequencies.

HeatCO2OL IL

Main options:

- Outdoor housing version with / without sound proofing
- Hydraulic pumps control
- Modbus, RS485/RTU communication
- Electrical energy measurement for compressor
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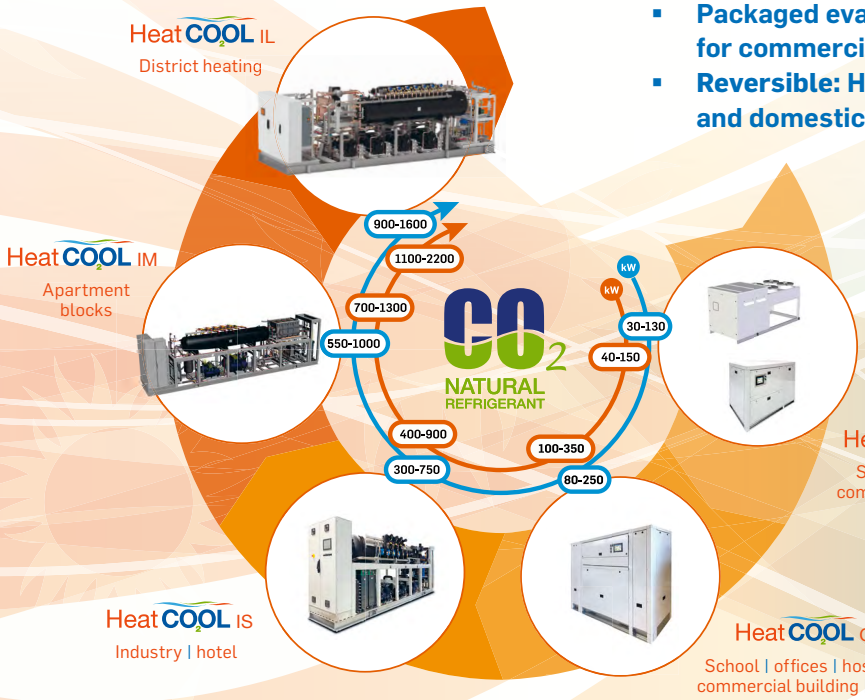
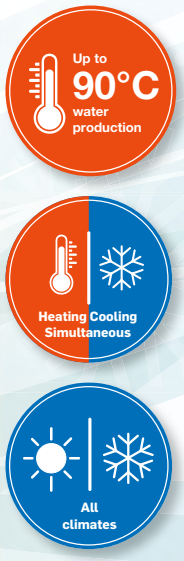
- Inverter drive on compressor N°2
- Up to 3 hot water temperature levels to maximize performance
- Other options on request



- **Water source / Air source**
- **Packaged evaporator / split versions for commercial AW ranges**
- **Reversible: Heat in winter / AC and domestic hot water in summer**



More than 23 000 CO_2 units produced

GREEN & COOL®

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