

Low carbon heating production

Heat COOL₂ CM

High-temperature Commercial heat pump CO₂ natural refrigerant –
Water source – CM range



 **80–200 kW** AC cooling capacity
 **100–250 kW** heating capacity



Up to 90 °C hot water production



High efficiency



Simple / intuitive touch screen / PLC controlled



2 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

Brochures



HeatCO ₂ OL CM WW		CM 140W/W	CM 170W/W	CM 210W/W	CM 240W/W	CM 270W/W
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	140	170	210	240	270
Cooling capacity (water in/out: 12/7°C)	kW	110	140	170	195	220
COP		4,0	3,9	4,0	4,0	4,0
EER		3,2	3,3	3,3	3,3	3,3
Eq. SEER (1)		4,4	4,3	4,4	4,4	4,4
Total COP (Cooling and heating)		7,1	7,1	7,2	7,3	7,3
Input Power	kW	34	43	52	59	66
Flow rate heating 30/60°C	m³/h	4	5	6	7	8
Flow rate cooling 12/7°C	m³/h	19	24	29	34	38
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	140	170	210	240	270
Cooling capacity (water in/out: 12/7°C)	kW	105	140	170	195	220
COP		3,8	3,7	3,8	3,8	3,8
EER		3,1	3,2	3,2	3,2	3,2
Eq. SEER (1)		4,4	4,3	4,4	4,4	4,4
Total COP (Cooling and heating)		6,7	6,7	6,9	6,9	6,9
Input Power	kW	34	44	53	61	69
Flow rate heating 30/70°C	m³/h	3	4	5	5	6
Flow rate cooling 12/7°C	m³/h	18	24	29	34	38
Physical properties						
Number of compressors		2	3	3	3	3
CO ₂ charge (2)	kg	150	160	160	160	160
Connection water side hot	mm/DN	35mm	35mm	35mm	42mm	42mm
Connection water side cold	mm/DN	65	65	65	80	80
Indoor version*						
Dimensions	L	800	800	800	800	800
	W	2940	2940	2940	2940	2940
	H	1950	1950	1950	1950	1950
Operational weight (CO ₂ + water included) (2)	kg	2700	2700	2700	2700	2700
Sound pressure level @10m (3)	dB(A)	49,5	54,4	51,3	51,3	51,8
Electrical data for 400/3/50 + N / EN / Short circuit current 15kA						
Maximum operating current	A	84	105	126	126	159
Nominal electric current	A	70	83	98	105	120

* 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 a reference.

(2) Estimated Value - to be charged and adjusted on site

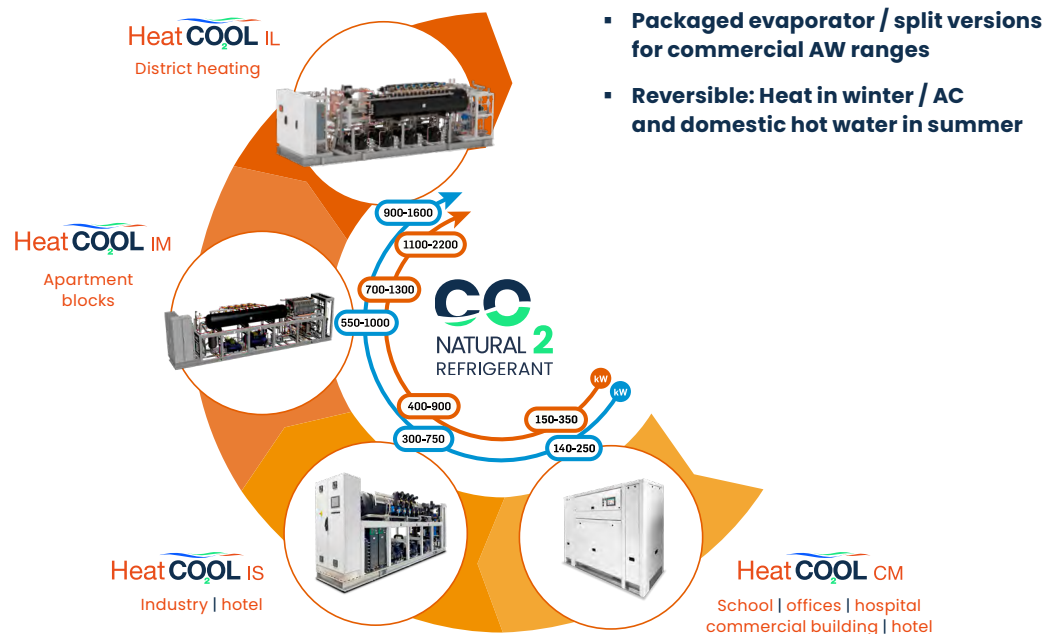
(3) The sound pressure levels are mentioned in free field. Running the equipment in other conditions may lead to different results. The results obtained on the installation site may differ from those in this leaflet, due to sound reflections from walls, etc. The reduction of sound level as a function of distance is theoretical and sound reflection and resonance may alter the results, either on total sound level or on certain frequencies.

HeatCOOL CM

Main options:

- Outdoor housing version with / without sound proofing
- Hydraulic pumps control
- Modbus, RS485/RTU, TCP communication
- Global electrical energy measurement
- Inverter drive on compressor N°2
- Smart control for several units in parallel
- Other options on request

Welcome to the Climate Control Revolution



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