



GreenBox 1-5

Compact CO₂ unit for cooling and freezing

Choose the future with the KOMA GreenBox stand-alone. This compact CO₂ unit, equipped with advanced Inverter Technology, provides optimal cooling performance 24/7 at the lowest possible energy costs. A sustainable solution that is ideal for 1 to 2 KOMA installations.

FEATURES:

- Minimal environmental impact thanks to **CO₂ refrigerant**
- Up to **30% lower energy consumption** than ON/OFF units
- Eligible for subsidy programs
- **No F-gas or PFAS restrictions**
- **Reliable operation with fewer start-ups**, oil return control function, and optimal working envelope management
- Suitable for high ambient temperatures, up to 43°C
- Extremely **quiet operation** due to insulated housing and large fans
- Compact design, easy to install (plug & play)



APPLICATION RANGE:

- Cooling: -5°C, 2-33 kW
- Freezing: -25°C, 2-10 kW

STANDARD EQUIPMENT:

- EC fan
- Filter dryer
- Overpressure protection
- Sound-reducing enclosure for outdoor installation
- Quiet gas cooler

DESIGN PRESSURE:

- High pressure: 120 bar
- Receiver: 80 bar
- Suction pressure: 60 bar

OPTIONS:

- Heat recovery module (only GreenBox 3)

Extensive factory tests ensure quick commissioning of both pressure and electrical installations.

Documentation and manuals comply with legal requirements.

CE marking according to EU regulation PED 2014/68/EU.

TECHNISCHE SPECIFICATIONS:

Available models	GreenBox 1	GreenBox 2	GreenBox 3	GreenBox 4	GreenBox 5
Voltage	380/420V-50/60 Hz-3ph				
Weight	160 kg	200 kg	270 kg	370 kg	504 kg
Cooling capacity at -5/32°C	5,1 kW	6,9 kW	16,8 kW	25 kW	33,5 kW
Cooling capacity at -15/32°C	3,5 kW	5,9 kW	13,5 kW	20 kW	26,9 kW
Cooling capacity at -25/32°C	/	4,5 kW	10,2 kW	/	/
Max. ambient temperature	43°C	43°C	43°C	38°C	43°C
Dimensions in mm (LxWxH)	1300x510x970	1426x541x1100	1426x541x1516	1600x908x1600	1580x1100x1670
Suction connection	3/8"	3/8"	1/2"	5/8"	5/8"
Liquid connection	1/4"	3/8"	1/2"	1/2"	5/8"
Air circulation	3600 m³/h	6800 m³/h	2 x 3600 m³/h	2 x 5300 m³/h	2 x 6800 m³/h
Maximum power consumption	7,5A	12,2A	26A	29,5A	40,8A
Number x Fan diameter	1 x 630 mm	1 x 710 mm	2 x 630 mm	2 x 630 mm	2 x 710 mm
Number of compressors	1	1	1	1	2
Refrigerant	R744 (CO ₂)				

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