

FRIGA-BOHN

eCO₂Boost XS

CO₂ split system



CO₂



|||| MT 1 - 10 kW
|||| LT 1 - 6 kW



- # **Easy installation:** with its compact design, the condensing unit is easier to handle, and integration of an electronic expansion valve makes installation easier. Coupled to the 80 bar unit coolers, you will not need a safety valve.
- # **Lower energy bills:** the perfect match between unit and cooler ensures operation adapted to the refrigeration demand and integration of a Scroll inverter compressor allows an optimal cooling capacity.
- # **Sustainable investment:** choosing R744 (CO2) as the refrigerant will guarantee your customer lower energy consumption and exempt them from paying tax on refrigerants while protecting the environment.

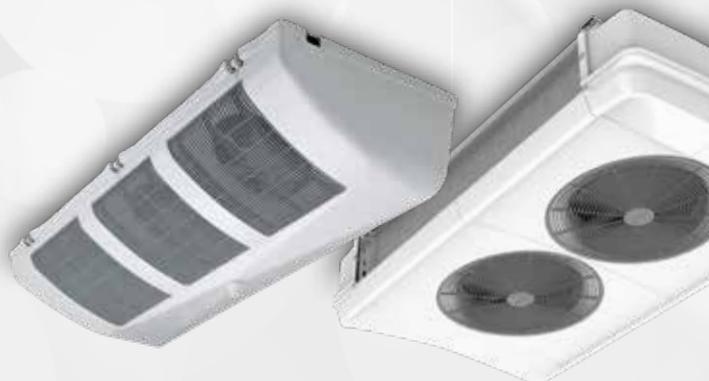
COMPRESSOR

- # Scroll inverter compressor for optimum cooling capacity and quiet operation.



GAS COOLER

- # Variable speed on the condensing fan.
- # Microchannel technology.



When opting to purchase an eCO2Boost XS system (unit + unit cooler), you get the support of a single provider for your entire installation and the guarantee that each component of the package will be available.

REGULATION

- # Integrated electronic cold loop expansion valve
- # Dry contact control of the condensing unit offers compatibility with all regulation systems available on the market.
- # Modbus communication as standard.

CASING

- # Robust, made of gray pre-painted galvanized sheet steel.

FAN

- # The high-end motor fans allow nearly silent operation of the condensing unit, giving residential neighbours peace and quiet:

eCO2Boost XS 1 **50 dB(A)***

eCO2Boost XS 2/3 **53 dB(A)***

** Lp at 1 meter - Compressor frequency: 70 Hz*



“
With the 80 bar unit coolers, you will not need a safety valve.
”

UNIT COOLERS

- # The eCO2Boost XS condensing unit can, depending on the needs of your application, be coupled with a ceiling (MR), dual-discharge (NTA), or cubic (3C-A) unit cooler, 80 bar.
- # Factory-assembled with expansion valve and solenoid valve.

For more details, please refer to our MR, NTA and 3C-A unit cooler documentation.



eCO₂Boost XS 1
1 circuit



eCO₂Boost XS 2
1 circuit

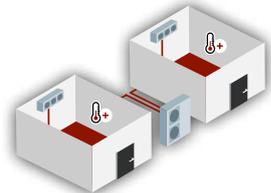
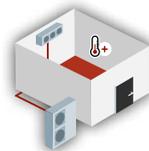
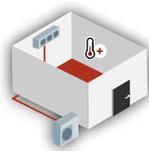


eCO₂Boost XS 3
2 circuits

CO₂ UNIT COOLERS (80 bar)
1 unit cooler / circuit

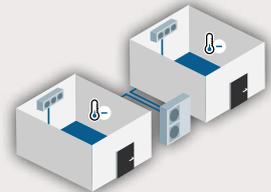


MT cold chambers



LT cold chambers

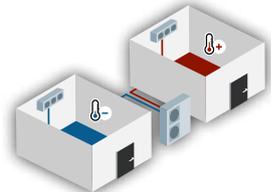
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MT cold chamber
+ **LT** cold chamber

-

-



Dimensions **H x L x D**

670 x 950 x 285 mm

1300 x 1105 x 285 mm

MT capacity

1 - 10 kW

LT capacity

-

1 - 6 kW

Compressor **Scroll Inverter**

1 compressor

2 compressors

3 compressors

Noise level

50 dB(A)*

53 dB(A)*

Power supply

230 V/1/50 Hz o 60 Hz

400 V/3/50 Hz o 60 Hz

Weight

58 kg

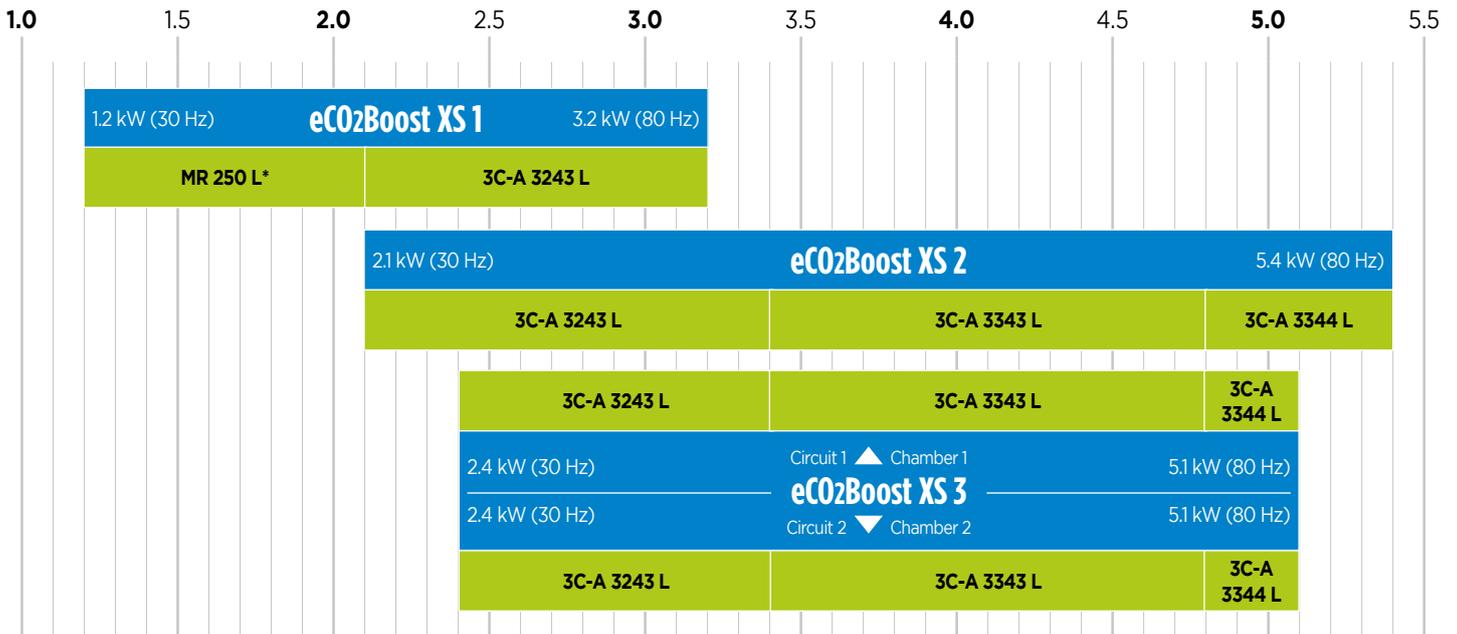
113 kg

141 kg

* Lp at 1 meter - Compressor frequency: 70 Hz

SAMPLE CONFIGURATIONS UNIT/UNIT COOLER FOR MT CHAMBER

Conditions SC2 | 0 °C - DT = 8K | -8 °C / 32 °C



SAMPLE CONFIGURATIONS UNIT/UNIT COOLER FOR LT CHAMBER

Conditions SC3 | -18 °C - DT = 7K | -25 °C / 32 °C

