

BREEZE 420 MT



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BREEZE is a refrigeration unit with direct expansion on the evaporator side and liquid cooled gas cooler/condenser. The unit is available as an air conditioning unit (HT), a refrigeration unit (MT) and a freezer unit (LT) with direct expansion on the cold side and glycol as secondary fluid on the gas cooler side. BREEZE is designed for the refrigerant carbon dioxide (R744) for the lowest environmental impact possible.

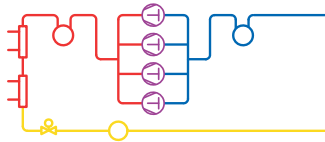
GREEN CO₂NTROL

Our units are standard equipped with GREEN CO₂NTROL. The control system is user friendly, offers a complete surveillance of the establishment and also the possibility of remote control/steering.

Options

- Superheat exchanger (model HE1), • Extra liquid receiver, • Antivibration mounts,
- Flexible sleeves on the heat exchanger, • Flexible sleeves on the liquid cooled gas cooler • Web-server, • Commission/training, • Service kit (drying filter & burst disc), • Compressor oil.

FLOW CHART



High temperature (HT)	140 HT	280 HT	3120 HT	4150 HT	4200 HT
Unit	Air Conditioning unit - Partly indirect system				
Refrigerant	R744				
Refrigeration output (kW)	43	86	129	150	172
Swept volume	12.6	25.2	37.8	42.8	50.4
Compressor (quantity)	1	2	3	4	4
Evaporation temperature (°C)	+3	+3	+3	+3	+3
Measure L x W x H (mm)	1975 x 1100 ³ x 1950		2480 x 1100 ³ x 1995	3000 x 1200 ² x 1950	
Weight (Kg)	1150 ⁴	1350 ⁴	1600 ⁴	2150 ⁴	2150 ⁴

Medium temperature (MT)	130 MT	260 MT	390 MT	4120 MT
Unit	Refrigeration unit - Partly indirect system			
Refrigerant	R744			
Refrigeration output (kW)	30	60	90	120
Swept volume	12.6	25.2	37.8	50.4
Compressor (quantity)	1	2	3	4
Evaporation temperature (°C)	-10	-10	-10	-10
Measure L x W x H (mm)	1975 x 900 ¹ x 1950		2480 x 900 ¹ x 1950	3200 x 1200 ² x 1950
Weight (Kg)	1150 ⁴	1350 ⁴	1600 ⁴	2150 ⁴

Low temperature (LT)	115 LT	230 LT	345 LT	460 LT
Unit	Freezer unit - Partly indirect system			
Refrigerant	R744			
Refrigeration output (kW)	13.5	27	40.5	54
Swept volume	12.6	25.2	37.8	50.4
Compressor (quantity)	1	2	3	4
Evaporation temperature (°C)	-30	-30	-30	-30
Measure L x W x H (mm)	1975 x 900 ¹ x 1950		2480 x 900 ¹ x 1950	3000 x 1200 ² x 1950
Weight (Kg)	1150 ⁴	1350 ⁴	1600 ⁴	2150 ⁴

- Secondary fluid: Ethylene glycol 40%
- Discharge temperature from gas cooler: +30°C
- Voltage & HZ: 400/3/50

- 1) Up to 1300mm depending on chosen option.
- 2) Up to 1600mm depending on chosen option.
- 3) Up to 1500mm depending on chosen option.
- 4) Basic weight without option.

We reserve the right to make modifications. Refrigeration outputs shown in the table are based on design temperatures. Some outputs are preliminary and should be determined in actual operational conditions as ambient temperature and water temperature will influence the output values.