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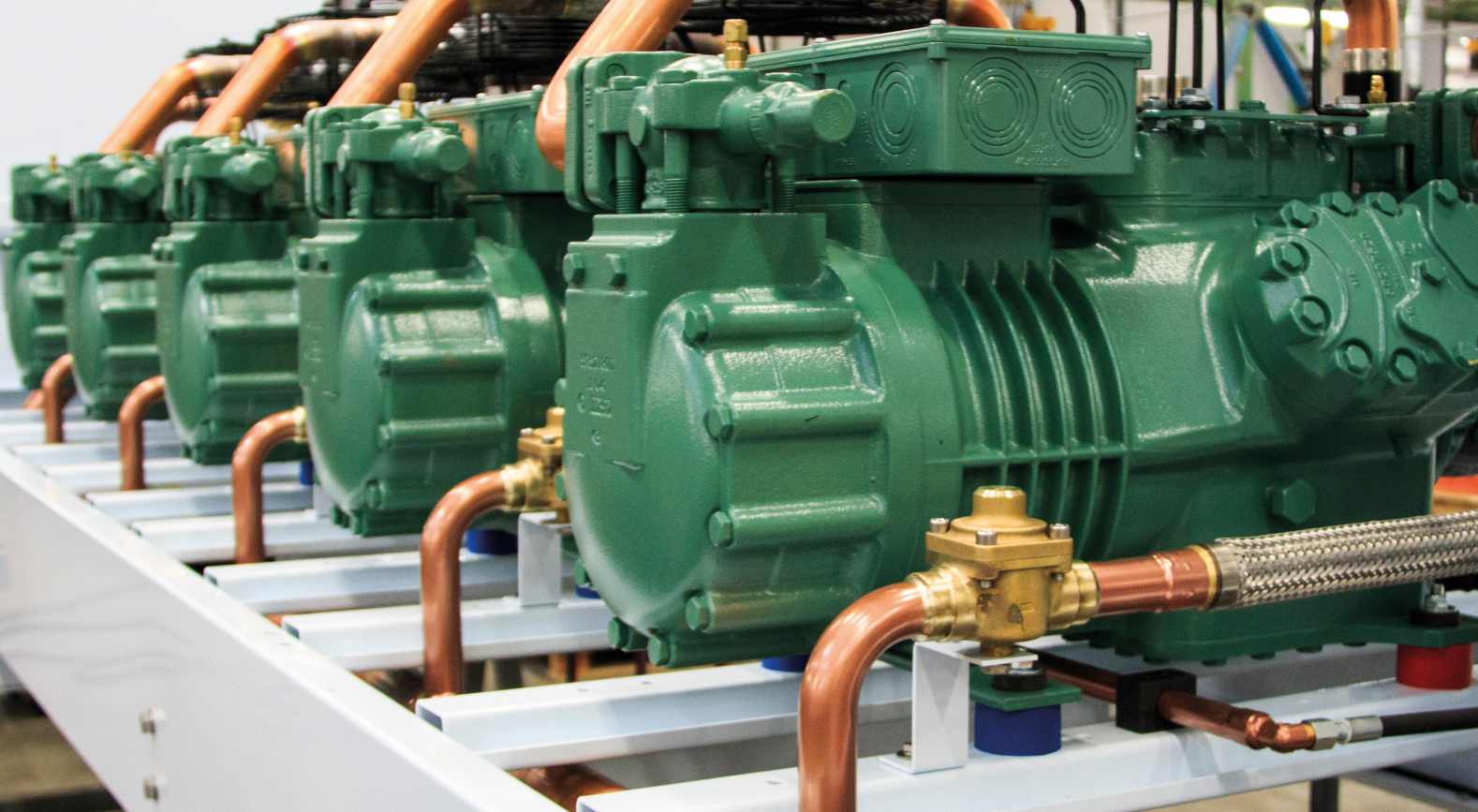
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Refrigeration racks equipped with several compressors

The CC-B series models are refrigeration racks equipped with several Bitzer compressors connected in parallel, suitable to satisfy the demands of any type of application with positive and negative working temperatures.

The series is divided into 3 product lines. One line with working temperatures from 0°C to -10°, one line working with temperatures from -30°C to -40°C and one line working with temperature from +10°C to 0°C.

All the units are assembled starting from a solid pre painted steel sheets frame with soundproofed protection cover and anti-vibration supports that prevent possible vibrations of the unit during operation.

The compressors (available up to 6 compressors) are connected in parallel with one suction and discharge header and are fixed to the frame by means of rubber anti vibration supports that prevent possible vibrations of the unit during operation.

Each compressor is also equipped with shut-off valves on suction and discharge line.

The oil management system is by means of oil separator and oil equalization through a header fitted on the compressor oil sight glass.

The refrigeration system is equipped with liquid receivers with safety valve, filter dryer, liquid level alarm, liquid sight glass and shut-off valves.

As standard equipment and to increase efficiency and safety of this CC-B series, the units are equipped with adjustable minimum and maximum pressure switches with automatic reset for general and emergency use.

The units are equipped with three pressure switches for compressors emergency, one low pressure probe, placed on suction header for capacity control, one high pressure gauge and one low pressure gauge.

There are also two adjustable high pressure switches to control condenser fan, with automatic reset.

The units are suitable for both outdoor and indoor installation on the floor (with the necessary configurable protections).

These CC-B units are monitored in operation by means of an electrical panel placed on the side of the body, while the electronic control unit centrally manages all the machine parameters.

The electrical panel protected by closing panels includes the disconnecting switch, the standard power distribution system and compressors protection with overload cut-out motor protector.

The electrical panel is IP55 equipped with a grille and a ventilation fan.

The door of the electrical panel is equipped with the electronic unit and 4 alarm lamps for emergency situations and locking of high and low pressure switches.

All these features complete the profile of a reliable, safe and extremely versatile machine appropriate to compose and create an efficient refrigerating system suitable to meet a wide range of users' requirements.

Standard configuration

- › Semihermetic Bitzer compressors
- › Power supply 380-400/3N~/50
- › Free voltage contacts for condenser fans control
- › Crankcase heater
- › Oil recovery system (oil separator with external reservoir, mechanical oil regulators)
- › Check valve on the discharge line of each compressor
- › Control panel with circuit breakers
- › Electronic controller (CAREL Prack300 Medium)
- › Open frame
- › PDA
- › Pallet packaging

Personalization options and accessories

Power supply:

- › 380-400/3N~/60

Additional special options:

- › Sub-cooler installed (for LT racks)
- › Additional connections for sub-cooler (for MT racks)
- › Simple acoustic insulation closed frame
- › Crate packaging

Accessory:

- › Remote desuperheater



Technical data

Medium temperature units

Code		GCC3304B1B1A2XX	GCC3306B1B1A2XX	GCC4308B1B1A2XX	GCC4311B1B1A2XX	GCC5312B1B1A2XX	GCC5315B1B1A2XX	GCC6420B1B1A2XX	GCC6525B1B1A2XX	GCC8630B1B1A2XX
Refrigerant		R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507
Power supply [V/Ph~/Hz]		380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
Number of compressors		3	3	3	3	3	3	4	5	6
Compressor model		3x 4TES-12Y	3x 4NES-20Y	3x 4HE-25Y	3x 4FE-35Y	3x 6GE-40Y	3x 6FE-50Y	4x 6FE-50Y	5x 6FE-50Y	6x 6FE-50Y
Evaporation model [°C]		0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C
Cooling capacity [Watt] [TEV=-10°C TC=35°C]	R404A	76.117	103.882	137.221	188.812	229.794	280.261	373.682	466.562	559.875

Code		GCC3304B1J1A2XX	GCC3306B1J1A2XX	GCC4308B1J1A2XX	GCC4311B1J1A2XX	GCC5312B1J1A2XX	GCC5315B1J1A2XX	GCC6420B1J1A2XX	GCC6525B1J1A2XX	GCC8630B1J1A2XX
Refrigerant		R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507
Power supply [V/Ph~/Hz]		380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60
Number of compressors		3	3	3	3	3	3	4	5	6
Compressor model		3x 4VES-10Y	3x 4PES-15Y	3x 4JE-22Y	3x 4GE-30Y	3x 6HE-35Y	3x 6GE-40Y	4x 6GE-40Y	5x 6GE-40Y	6x 6GE-40Y
Evaporation model [°C]		0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C
Cooling capacity [Watt] [TEV=-10°C TC=35°C]	R404A	75.836	104.962	140.512	190.012	242.812	276.975	369.300	461.625	553.950

Code		GCC3304B2B1A2XX	GCC3306B2B1A2XX	GCC4308B2B1A2XX	GCC4311B2B1A2XX	GCC5312B2B1A2XX	GCC5315B2B1A2XX	GCC6420B2B1A2XX	GCC6525B2B1A2XX	GCC8630B2B1A2XX
Refrigerant		R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F
Power supply [V/Ph~/Hz]		380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
Number of compressors		3	3	3	3	3	3	4	5	6
Compressor model		3x 4TES-12Y	3x 4NES-20Y	3x 4HE-25Y	3x 4FE-35Y	3x 6GE-40Y	3x 6FE-50Y	4x 6FE-50Y	5x 6FE-50Y	6x 6FE-50Y
Evaporation model [°C]		0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C
Cooling capacity [Watt] [TEV=-10°C TC=35°C]	R449A	70.485	96.119	127.427	176.175	213.919	260.921	347.894	435.000	522.000

Code		GCC3304B2J1A2XX	GCC3306B2J1A2XX	GCC4308B2J1A2XX	GCC4311B2J1A2XX	GCC5312B2J1A2XX	GCC5315B2J1A2XX	GCC6420B2J1A2XX	GCC6525B2J1A2XX	GCC8630B2J1A2XX
Refrigerant		R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F
Power supply [V/Ph~/Hz]		380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60
Number of compressors		3	3	3	3	3	3	4	5	6
Compressor model		3x 4VES-10Y	3x 4PES-15Y	3x 4JE-22Y	3x 4GE-30Y	3x 6HE-35Y	3x 6GE-40Y	4x 6GE-40Y	5x 6GE-40Y	6x 6GE-40Y
Evaporation model [°C]		0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C	0°C ÷ -10°C
Cooling capacity [Watt] [TEV=-10°C TC=35°C]	R449A	71.140	97.012	130.387	176.775	225.937	258.225	344.300	430.375	516.450

Low temperature units

Code		HCC3303B1B1A2XX	HCC3304B1B1A2XX	HCC4307B1B1A2XX	HCC4308B1B1A2XX	HCC5313B1B1A2XX	HCC6418B1B1A2XX	HCC6522B1B1A2XX	HCC8626B1B1A2XX
Refrigerant		R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507
Power supply [V/Ph~/Hz]		380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
Number of compressors		3	3	3	3	3	4	5	6
Compressor model		3x 4TES-9Y	3x 4NES-14Y	3x 4GE-23Y	3x 4FE-28Y	3x 6FE-44Y	4x 6FE-44Y	5x 6FE-44Y	6x 6FE-44Y
Evaporation model [°C]		-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C
Cooling capacity [Watt] [TEV=-30°C TC=35°C]	R404A	29.363	39.961	66.646	79.429	119.514	159.352	198.687	238.425

Code		HCC3303B1J1A2XX	HCC3304B1J1A2XX	HCC4307B1J1A2XX	HCC4308B1J1A2XX	HCC5313B1J1A2XX	HCC6418B1J1A2XX	HCC6522B1J1A2XX	HCC8626B1J1A2XX
Refrigerant		R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507	R404A R452A R507
Power supply [V/Ph~/Hz]		380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60
Number of compressors		3	3	3	3	3	4	5	6
Compressor model		3x 4VES-7Y	3x 4PES-12Y	3x 4HE-18Y	3x 4GE-23Y	3x 6GE-34Y	4x 6GE-34Y	5x 6GE-34Y	6x 6GE-34Y
Evaporation model [°C]		-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C
Cooling capacity [Watt] [TEV=-30°C TC=35°C]	R404A	28.451	39.210	39.210	80.265	120.937	161.250	201.562	241.875

Code		HCC3303B2B1A2XX	HCC3304B2B1A2XX	HCC4307B2B1A2XX	HCC4308B2B1A2XX	HCC5313B2B1A2XX	HCC6418B2B1A2XX	HCC6522B2B1A2XX	HCC8626B2B1A2XX
Refrigerant		R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F
Power supply [V/Ph~/Hz]		380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
Number of compressors		3	3	3	3	3	4	5	6
Compressor model		3x 4TES-9Y	3x 4NES-14Y	3x 4GE-23Y	3x 4FE-28Y	3x 6FE-44Y	4x 6FE-44Y	5x 6FE-44Y	6x 6FE-44Y
Evaporation model [°C]		-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C
Cooling capacity [Watt] [TEV=-30°C TC=35°C]	R449A	25.083	34.129	57.649	79.429	103.629	138.172	198.687	238.425

Code		HCC3303B2J1A2XX	HCC3304B2J1A2XX	HCC4307B2J1A2XX	HCC4308B2J1A2XX	HCC5313B2J1A2XX	HCC6418B2J1A2XX	HCC6522B2J1A2XX	HCC8626B2J1A2XX
Refrigerant		R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F	R448A R449A R407F
Power supply [V/Ph~/Hz]		380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60
Number of compressors		3	3	3	3	3	4	5	6
Compressor model		3x 4VES-7Y	3x 4PES-12Y	3x 4HE-18Y	3x 4GE-23Y	3x 6GE-34Y	4x 6GE-34Y	5x 6GE-34Y	6x 6GE-34Y
Evaporation model [°C]		-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C	-30°C ÷ -40°C
Cooling capacity [Watt] [TEV=-30°C TC=35°C]	R449A	24.098	33.176	58.751	69.461	105.412	140.550	175.688	210.825

High temperature units

Code		ACC4308B3B1A2XX	ACC5307B3B1A2XX	ACC5310B3B1A2XX	ACC5313B3B1A2XX	ACC6414B3B1A2XX	ACC6418B3B1A2XX	ACC6522B3B1A2XX	ACC8626B3B1A2XX
Refrigerant		R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]		380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
Number of compressors		3	3	3	3	4	4	5	6
Compressor model		3x 4FE-28Y	3x 6JE-25Y	3x 6GE-34Y	3x 6FE-44Y	4x 6GE-34Y	4x 6FE-44Y	5x 6FE-44Y	6x 6FE-44Y
Evaporation model [°C]		+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C
Cooling capacity [Watt] [TEV=0°C TC=35°C]	R134a	168.638	154.688	208.425	250.838	277.900	334.450	418.063	501.675

Code		ACC4307B3J1A2XX	ACC4308B3J1A2XX	ACC5310B3J1A2XX	ACC5313B3J1A2XX	ACC6414B3J1A2XX	ACC6418B3J1A2XX	ACC6522B3J1A2XX	ACC8626B3J1A2XX
Refrigerant		R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]		380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60	380- 400/3N~/60
Number of compressors		3	3	3	3	4	4	5	6
Compressor model		3x 4HE-18Y	3x 4GE-23Y	3x 6HE-28Y	3x 6GE-34Y	4x 6HE-28Y	4x 6GE-34Y	5x 6GE-34Y	6x 6GE-34Y
Evaporation model [°C]		+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C	+10°C ÷ 0°C
Cooling capacity [Watt] [TEV=0°C TC=35°C]	R134a	148.950	168.750	219.675	251.400	292.900	335.200	419.000	502.800

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