

Инверторная конденсаторная установка CI-L

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: zob@nt-rt.ru || сайт: <https://zanotti.nt-rt.ru/>



Configured with Bitzer Twin compressors with one controlled by inverter

The CI-L series models are compact air-cooled condensing units with variable cooling capacity, suitable for outdoor installations, silenced for residential environments and ideal for commercial applications.

The series is divided into two product lines. One line with working temperatures from +5°C to -20° and one line with working temperatures from -15°C to -40°C.

The units are configured with Bitzer Twin semi-hermetic compressors with one controlled by inverter.

The capacity range covered and the way they are designed and built make the compact inverter units extremely versatile components of an efficient refrigerating system suitable to meet wide range of Customers' requirements.

All the units are assembled starting from a solid steel sheet body structure.

The internal configuration of these condensing units allows to reduce the noise level of the system: soundproofed compartments accommodate the two semi-hermetic compressors that, together with the large surface condensers and low rpm 6-pole axial fans, allow to achieve efficient and silenced performance especially when low noise level is requested.

The condensing unit is equipped with filter dryer and sight glass, to guarantee controlled and optimized operation.

The unit, supplied with pressurized nitrogen, is complete with all the refrigerating system components pre-installed together with the internal connections pipes, making the system ready for a quick

installation.

The liquid receiver is complete with taps and shut-off valve for regulation and control of the inlet and outlet liquid level.

These units are equipped with adjustable minimum and maximum pressure switches with automatic reset.

The significant feature of the CI-L range is the presence of the inverter which controls one of the two compressors and precisely modulates the delivered cooling capacity during operation.

The units are suitable for outdoor installation on the floor, but it is also possible to accommodate them on the ceiling according to the structural needs of the user.

The CI-L units are equipped with oil separator and oil receiver with electronic equalizer.

The units are equipped with crankcase heater that makes them suitable for outdoor installation in different climatic conditions.

An electronic control unit manages the capacity delivered by the two compressors.

Together with a compressors emergency management system and a switchboard, all these features complete the profile of an efficient and safe machine.

Standard configuration

Types of compressor:

- › 2 Bitzer semi-hermetic compressors in parallel, one is controlled by inverter

Standard on all range:

- › Air cooled, axial fan
- › Pressure controlled fan speed controller
- › Crankcase heater
- › Oil separator
- › Suction accumulator (only for low temperature units)
- › Control panel with circuit breakers
- › Electronic controller
- › Double acoustic insulation
- › Liquid Receiver
- › Safety valve
- › Liquid receiver shut off valves
- › Filter dryer on liquid line
- › Sight glass
- › Six-pole condenser fan
- › Condensing unit under nitrogen pressure
- › Adjustable Lp switch with automatic reset
- › Adjustable Hp switch with automatic reset
- › Muffler on discharge line
- › Power control box with magnetothermic switches + thermal protection + electronic controller
- › Oil separator + condenser fans speed regulator with pressure probe

Personalization options and accessories

Power options:

- › 220-230/3~/50
- › 220-230/3~/60
- › 440/3~/60
- › 380-400/3N~/60
- › 110-115/1N~/60
- › 460/3~/60



Technical data

Medium temperature units

Code	GCI4040L3B1D4R	GCI4050L3B1D4R	GCI4070L3B1D4R	GCI5110L3B1D4R	GCI5130L3B1D4R	GCI5160L3B1D4R
Refrigerant group	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
HP compressor	4	5	7	11	13	16
Compressor model	2DES-2Y 2EES-2Y	4FES-3Y 2DES-2Y	4EES-4Y 4FES-3Y	4CES-6Y 4DES-5Y	4VES-7Y 4CES-6Y	4TES-9Y 4VES-7Y
PED category	2	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 2.404 ÷ 8.586	3.085 ÷ 10.638	3.957 ÷ 13.645	5.825 ÷ 20.087	6.509 ÷ 23.245	7.644 ÷ 26.360

Code	GCI4046L2B1D4R	GCI4060L2B1D4R	GCI4070L2B1D4R	GCI5100L2B1D4R	GCI5120L2B1D4R	GCI5150L2B1D4R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
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
HP compressor	2 x 2,3	2 x 3	2 x 3,5	2 x 5	2 x 6	2 x 7,5
Compressor model	2FES-3Y 2GES-3Y	2EES-3Y 2EES-3Y	2DES-3Y 2EES-3Y	4FES-5Y 2CES-4Y	4EES-6Y 4FES-5Y	4DES-7Y 4EES-6Y
PED category	2	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A 2.597 ÷ 9.274	3.236 ÷ 11.157	4.037 ÷ 13.921	5.890 ÷ 20.309	6.670 ÷ 23.823	8.126 ÷ 28.021
	R449A 2.536 ÷ 9.056	3.180 ÷ 10.966	3.918 ÷ 13.512	5.681 ÷ 19.950	6.485 ÷ 23.160	7.893 ÷ 27.216

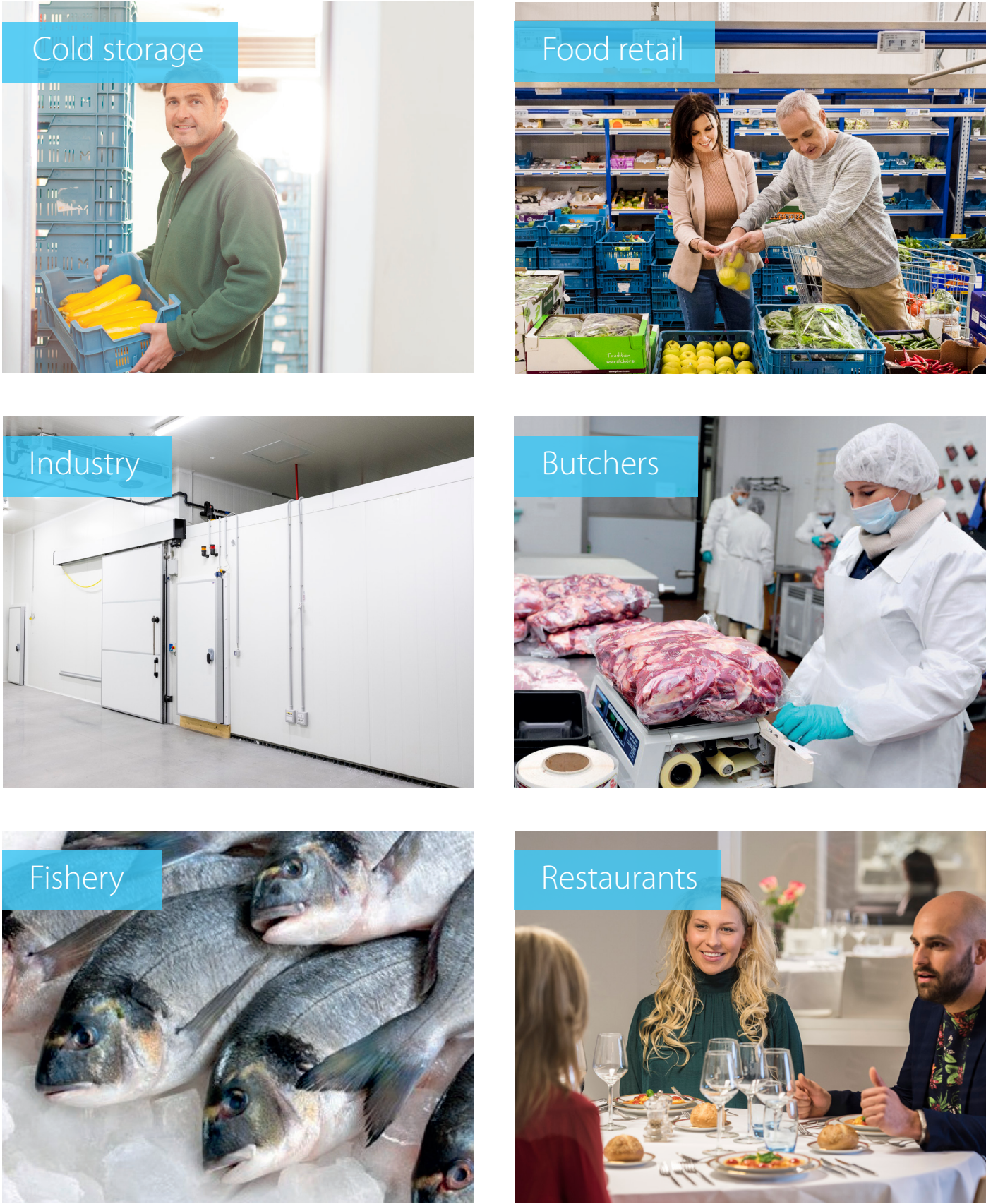
Low temperature units

Code	HCI4100L2B1D4R	HCI4120L2B1D4R	HCI4150L2B1D4R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	7	8	11
Compressor model	4EES-4Y 4FES-3Y	4DES-4Y 4EES-4Y	4CES-6Y 4DES-5Y
PED category	2	2	2
Working temperature [°C]	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40
Cooling capacity [Watt] [TEV=-30°C TA=30°C]	R404A 2.675 ÷ 9.225	3.287 ÷ 11.334	3.862 ÷ 12.873
	R449A 2.349 ÷ 8.099	2.846 ÷ 9.815	3.453 ÷ 11.509

Units details



A wide range of applications



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