



# RICA

2000 s.r.l.

INDUSTRIAL - REFRIGERATION - EQUIPMENT - CONSTRUCTION

## ***SERIES CHILLER UNIT "ECO-TECH"***



## SERIES CHILLER UNIT "ECO-TECH"

### Models from Compact 3000 to GRA.I 35 B "all stainless"

The chillers in this series are designed to produce hydroglycolic mixture in the temperature range from +5,C to -8,C.

The start of the compressor (or compressors in the case of a double compressor group) is automatically based on the temperature of the hydroglycolic mixture in the tank by means of an electronic thermoregulator. The temperature probe is inserted inside the glycol storage tank. In the standard version the tank is installed inside the monobloc, possibly they are also available without internal tank to combine it with an external storage and pumping station (see the hydronic modules catalogue).

The glycol is forced to circulate by means of 2 centrifugal electric pumps (only No 1 pump for the Compact 3000, 3B eco-tech and 6B eco-tech models) located inside the refrigeration unit.

Electrical and mechanical safety are provided on the gas and glycol circuit.

The electric control panel is installed inside the group.

The refrigerant gas circulating in the monobloc system is Freon R448 A (or equivalent).

**CHILLER  
"GRA.I 30 B ECO-TECH"**



**CHILLER  
"COMPACT 3000"**



**CHILLER  
"GRA.I 6 B ECO-TECH"**



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# SERIES CHILLER UNIT "ECO-TECH"

| Type refrigerator   | Capacity with glycol +5°C | Capacity with glycol -8°C | Max KW<br>400V | dimensions (mm) :<br>A x B x H |       |       | Weight<br>(Kg) |
|---------------------|---------------------------|---------------------------|----------------|--------------------------------|-------|-------|----------------|
| <b>COMPACT 3000</b> | 3.150                     | 1.720                     | 1,75           | 1.000                          | 600   | 780   | 100            |
| <b>3B ECO</b>       | 8.060                     | 4.980                     | 3,6            | 1.120                          | 1.050 | 1.120 | 160            |
| <b>6B ECO</b>       | 9.720                     | 6.390                     | 4,2            | 1.120                          | 1.050 | 1.120 | 175            |
| <b>9B ECO</b>       | 14.570                    | 9.860                     | 8,0            | 1.200                          | 1.350 | 1.600 | 220            |
| <b>12B ECO</b>      | 18.020                    | 12.120                    | 11,2           | 1.200                          | 1.350 | 1.600 | 290            |
| <b>12B 2 ECO</b>    | 18.900                    | 12.650                    | 12,2           | 1.200                          | 1.350 | 1.600 | 330            |
| <b>15B ECO</b>      | 23.870                    | 15.730                    | 12,7           | 1.200                          | 1.350 | 1.600 | 350            |
| <b>15B 2 ECO</b>    | 24.250                    | 15.980                    | 13,7           | 1.200                          | 1.350 | 1.600 | 390            |
| <b>18B ECO</b>      | 28.530                    | 18.540                    | 14,3           | 1.200                          | 1.350 | 1.600 | 365            |
| <b>18B 2 ECO</b>    | 29.000                    | 19.520                    | 15,3           | 1.200                          | 1.350 | 1.600 | 404            |
| <b>25B ECO</b>      | 36.100                    | 24.800                    | 17,6           | 1.200                          | 1.200 | 1.750 | 431            |
| <b>30 B ECO</b>     | 47.800                    | 31.500                    | 19,0           | 1.200                          | 1.200 | 1.750 | 455            |
| <b>35B ECO</b>      | 57.060                    | 37.000                    | 24,0           | 1.200                          | 1.200 | 1.750 | 480            |

## MECHANICAL EQUIPMENT

| Type refrigerator   | No. of compressors | User pump | Recirculation pump | Fans | Internal tank capacity (lt) |
|---------------------|--------------------|-----------|--------------------|------|-----------------------------|
| <b>COMPACT 3000</b> | 1                  | 0         | 1                  | 1    | 50 LT                       |
| <b>3B ECO</b>       | 1                  | OPTIONAL  | 1                  | 1    | 90 LT                       |
| <b>6B ECO</b>       | 1                  | OPTIONAL  | 1                  | 1    | 90 LT                       |
| <b>9B ECO</b>       | 1                  | 1         | 1                  | 1    | 160 LT                      |
| <b>12B ECO</b>      | 1                  | 1         | 1                  | 2    | 160 LT                      |
| <b>12B 2 ECO</b>    | 2                  | 1         | 1                  | 2    | 160 LT                      |
| <b>15B ECO</b>      | 1                  | 1         | 1                  | 2    | 160 LT                      |
| <b>15B 2 ECO</b>    | 2                  | 1         | 1                  | 2    | 160 LT                      |
| <b>18B ECO</b>      | 1                  | 1         | 1                  | 2    | 160 LT                      |
| <b>18B 2 ECO</b>    | 2                  | 1         | 1                  | 2    | 160 LT                      |
| <b>25B ECO</b>      | 2                  | 1         | 1                  | 2    | 160 LT                      |
| <b>30 B ECO</b>     | 2                  | 1         | 1                  | 2    | 160 LT                      |
| <b>35B ECO</b>      | 2                  | 1         | 1                  | 2    | 160 LT                      |



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INDUSTRIAL REFRIGERATION EQUIPMENT CONSTRUCTION

Factory: Via Artigianato 3, Fraz. Motta - 14055 COSTIGLIOLE D'ASTI (AT) - Tel. 0141 875179 - Fax 0141 875491 - www.rica2000.it - info@rica2000.it

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## PRODUCTIVITY IN HL

| Type refrigerator   | Musts control (hl) | Stabilization wines (hl) |
|---------------------|--------------------|--------------------------|
| <b>COMPACT 3000</b> | 100                | 13                       |
| <b>3B ECO</b>       | 300                | 40                       |
| <b>6B ECO</b>       | 400                | 50                       |
| <b>9B ECO</b>       | 580                | 70                       |
| <b>12B ECO</b>      | 700                | 90                       |
| <b>12B 2 ECO</b>    | 800                | 100                      |
| <b>15B ECO</b>      | 1.000              | 130                      |
| <b>15B 2 ECO</b>    | 1.070              | 135                      |
| <b>18B ECO</b>      | 1.200              | 150                      |
| <b>18B 2 ECO</b>    | 1.300              | 160                      |
| <b>25B ECO</b>      | 1.850              | 175                      |
| <b>30 B ECO</b>     | 2.150              | 260                      |
| <b>35B ECO</b>      | 2.590              | 300                      |

## ACCESSORIES AVAILABLE

| Type refrigerator   | Closed tank | Hot kit | Reversal cycle | Grid condenser | Wheel kit | Flow switch | PLC |
|---------------------|-------------|---------|----------------|----------------|-----------|-------------|-----|
| <b>COMPACT 3000</b> | -           | ✓       | -              | as standard    | ✓         | -           | -   |
| <b>3B ECO</b>       | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>6B ECO</b>       | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>9B ECO</b>       | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>12B ECO</b>      | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>12B 2 ECO</b>    | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>15B ECO</b>      | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>15B 2 ECO</b>    | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>18B ECO</b>      | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>18B 2 ECO</b>    | ✓           | ✓       | ✓              | ✓              | ✓         | ✓           | ✓   |
| <b>25B ECO</b>      | ✓           | ✓       | ❄              | ✓              | ✓         | ✓           | ✓   |
| <b>30 B ECO</b>     | ✓           | ✓       | ❄              | ✓              | ✓         | ✓           | ✓   |
| <b>35B ECO</b>      | ✓           | ✓       | ❄              | ✓              | ✓         | ✓           | ✓   |

✓ : Available

- : Not available

❄ : Only available in oversize configuration (dim. 247 x 110 x h 177 cm)



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***“From generation to generation since 1965”***

**FACTORY:**

**Via Artigianato 3,  
Fraz. Motta di Costigliole  
14055, Costigliole d'Asti (AT)  
ITALY**



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