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# LINEA PROFESSIONAL

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## CARATTERISTICHE

### STRUTTURA

Composto da:

- Pannelli modulari rigidi autoportanti rivestiti con lamiera d'acciaio zinco preverniciata spessore 0,5 mm e termoisolati con poliuretano espanso.
- Pannelli monoblocco con angolo 90° arrotondato nella parte esterna.
- Ganci eccentrici M/F interamente in acciaio zincato che permettono una eccellente tenuta termica ed un facile montaggio.

Queste celle sono classificate B-S3 / d0 secondo la norma UNI EN14509:2013 comportamento reazione al fuoco.

**Superficie esterna:** lamiera zinco preverniciata colore grigio simil inox.

**Superficie interna:** acciaio inox Aisi304.

**Spessore pannelli e pavimento:** mm 100.

### MECCANICA INTERNA

Unità condensatrice carenata (kit remotazione a 10 metri incluso) con controllo della pressione dell'impianto mediante pressostato doppio (alta pressione e bassa pressione) e regolazione delle ventole del condensatore mediante regolatore elettronico. Sbrinamento a gas caldo incluso.

Condensatore tropicalizzato.

Batterie evaporanti (KFL) a pavimento a tre ventole diametro 450 mm.

Compressore bistadio o monostadio calcolato in base alla dimensione dell'impianto.

### FUNZIONAMENTO DEGLI IMPIANTI

Per gli abbattitori della serie PROFESSIONAL, il controllore utilizzato è l'STM dfc.

Il controllore gestisce automaticamente e con precisione tutte le fasi dei cicli di surgelazione – conservazione e sbrinamento, utilizzando controlli a tempo, a temperatura ambiente oppure a temperatura prodotto. È possibile gestire lo sbrinamento anche manualmente. La sonda prodotto è dotata di resistenze di riscaldamento per agevolarne l'estrazione. Dispone di grafici integrati, salvataggio dati via USB e connessione a internet per monitoraggio e assistenza remota.

### GAS REFRIGERANTE

R-452 A

### RANGE DI TEMPERATURA

+ 90° / -18° C al cuore

### ALIMENTAZIONE ELETTRICA

400V/3N-50Hz.

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# PROFESSIONAL LINE

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## FEATURES

### STRUCTURE

Composed of:

- Rigid self-supporting modular panels clad with pre-painted galvanized steel sheet, thickness 0.5 mm, and thermally insulated with expanded polyurethane.
- Monoblock panels with rounded 90° external corners.
- Male/female eccentric hooks, entirely made of galvanized steel, ensuring excellent thermal sealing and easy installation.

These chambers are classified B-S3 / d0 in accordance with UNI EN 14509:2013 fire reaction standards.

**External surface:** pre-painted galvanized steel sheet, grey stainless-steel effect.

**Internal surface:** AISI 304 stainless steel.

**Panel and floor thickness:** 100 mm.

### INTERNAL MECHANICS

Cased condensing unit (10-meter remote installation kit included) with system pressure control via dual pressure switch (high and low pressure) and condenser fan regulation via electronic controller. Hot gas defrost included.

Tropicalized condenser.

Floor-mounted evaporator coils (KFL) with three fans, 450 mm diameter.

Two-stage or single-stage compressor, sized according to the system dimensions.

### SYSTEM OPERATION

For the PROFESSIONAL series blast chillers, the controller used is the STM dfc.

The controller automatically and precisely manages all phases of the freezing, storage, and defrosting cycles, using time-based, ambient temperature-based, or product temperature-based controls.

Manual defrosting can also be managed. The product probe is equipped with heating elements to facilitate easy extraction.

It features integrated graphs, data storage via USB, and internet connectivity for remote monitoring and assistance.

### REFRIGERANT GAS

R-452 A

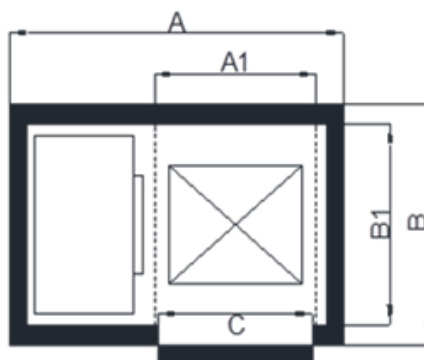
### TEMPERATURE RANGE

+90°C / -18°C at core temperature

### POWER SUPPLY

400V / 3N – 50 Hz

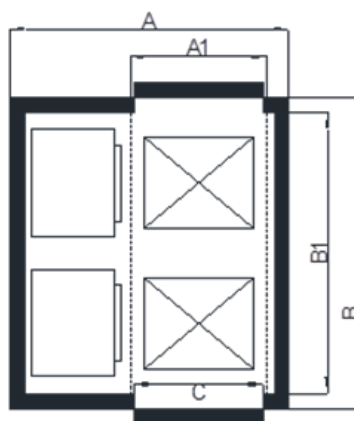
# 1280 1CA



| Codice             | A                | B    | A1               | B1   | H    | Porte | Luce porta     | Carrelli | Prezzo € |
|--------------------|------------------|------|------------------|------|------|-------|----------------|----------|----------|
| Code               | esterno/external |      | interno/internal |      | h    | Doors | Door clearance | Trolleys |          |
| <b>AB 218128C5</b> | 2180             | 1280 | 980              | 1020 | 2380 | 1     | 930            | 1        |          |
| <b>AB 218128C8</b> | 2180             | 1280 | 980              | 1020 | 2380 | 1     | 930            | 1        |          |

| Codice             | Compressore | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|--------------------|-------------|-------------------------|---------------------|--------|--------------|----------|
| Code               | Compressor  | Temperature in the cell | Cooling capacity    |        | Absorption   | Tension  |
|                    |             | °C                      | W                   | °C     | W            | V        |
| <b>AB 218128C5</b> | HP5,0       | 0/-35 -40               | 4010                | -45+45 | 8000/6500    | 400      |
| <b>AB 218128C8</b> | HP8,0       | 0/-35 -40               | 5700                | -45+45 | 10100/8000   | 400      |

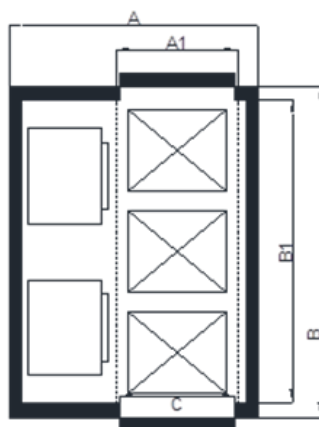
## 2180 2CA



| Codice              | A                | B    | A1               | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|---------------------|------------------|------|------------------|------|---------|-------|----------------|----------|----------|
| Code                | esterno/external |      | interno/internal |      | est/ext | Doors | Door clearance | Trolleys |          |
|                     | mm               | mm   | mm               | mm   | mm      |       | mm             | A        |          |
| <b>AB 218218C8</b>  | 2180             | 2180 | 980              | 1840 | 2380    | 2     | 930            | 2        |          |
|                     |                  |      |                  |      |         |       |                |          |          |
| <b>AB 218218C12</b> | 2180             | 2180 | 980              | 1840 | 2380    | 2     | 930            | 2        |          |

| Codice              | Compressore | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|---------------------|-------------|-------------------------|---------------------|--------|--------------|----------|
| Code                | Compressor  | Temperature in the cell | Cooling capacity    |        | Absorption   | Tension  |
|                     |             | °C                      | W                   | °C     | W            | V        |
| <b>AB 218218C8</b>  | HP8,0       | 0/-35 -40               | 5700                | -45+45 | 11800/9800   | 400      |
| <b>AB 218218C12</b> | HP12,0      | 0/-35 -40               | 9320                | -45+45 | 16800/12700  | 400      |

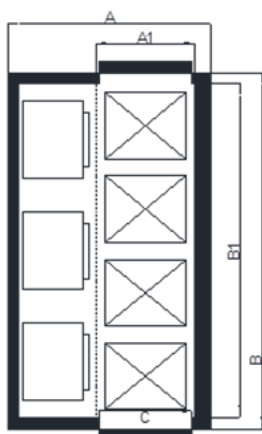
## 2480 3CA



| Codice              | A                | B    | A1               | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|---------------------|------------------|------|------------------|------|---------|-------|----------------|----------|----------|
| Code                | esterno/external |      | interno/internal |      | est/ext | Doors | Door clearance | Trolleys |          |
|                     | mm               | mm   | mm               | mm   | mm      |       | mm             | A        |          |
| <b>AB 218248C12</b> | 2180             | 2480 | 980              | 2240 | 2380    | 2     | 930            | 3        |          |
|                     |                  |      |                  |      |         |       |                |          |          |
| <b>AB 218248C16</b> | 2180             | 2480 | 980              | 2240 | 2380    | 2     | 930            | 3        |          |

| Codice              | Compressore     | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|---------------------|-----------------|-------------------------|---------------------|--------|--------------|----------|
| Code                | Compressor      | Temperature in the cell | Cooling capacity    |        | Absorption   | Tension  |
|                     |                 | °C                      | W                   | °C     | W            | V        |
| <b>AB 218248C12</b> | Bistadio/HP12,0 | 0/-35 -40               | 9230                | -45+45 | 16300        | 400      |
| <b>AB 218248C16</b> | Bistadio/HP16,0 | 0/-35 -40               | 13190               | -45+45 | 21000        | 400      |

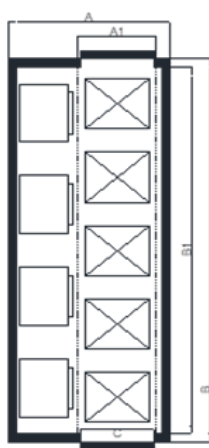
## 3380 4CA



| Codice              | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|---------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                     | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB 218338C25</b> | 2180    | 3380 | 980     | 3020 | 2380    | 2     | 930            | 4        |          |
|                     |         |      |         |      |         |       |                |          |          |
| <b>AB 218338C30</b> | 2180    | 3380 | 980     | 3020 | 2380    | 2     | 930            | 4        |          |

| Codice              | Compressore     | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|---------------------|-----------------|-------------------------|---------------------|--------|--------------|----------|
| code                | compressor      | temperature in the cell | cooling capacity    |        | absorption   | tension  |
|                     |                 | °C                      | W                   | °C     | W            | V        |
| <b>AB 218338C25</b> | Bistadio/HP25,0 | 0/-35 -40               | 17410               | -45+45 | 28800        | 400      |
| <b>AB 218388C30</b> | Bistadio/HP30,0 | 0/-35 -40               | 20710               | -45+45 | 33600        | 400      |

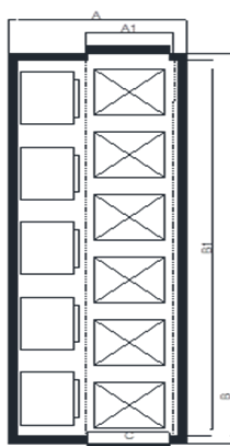
## 4580 5CA



| Codice               | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|----------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                 | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                      | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB 218458C30</b>  | 2180    | 4580 | 980     | 4420 | 2380    | 2     | 930            | 5        |          |
|                      |         |      |         |      |         |       |                |          |          |
| <b>AB 218458C2+2</b> | 2180    | 4580 | 980     | 4420 | 2380    | 2     | 930            | 5        |          |

| Codice               | Compressore          | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|----------------------|----------------------|-------------------------|---------------------|--------|--------------|----------|
| Code                 | compressor           | temperature in the cell | cooling capacity    |        | absorption   | Tension  |
|                      |                      | °C                      | W                   | °C     | W            | V        |
| <b>AB 218458C30</b>  | Bistadio/HP30,0      | 0/-35 -40               | 20710               | -45+45 | 33600        | 400      |
| <b>AB 218458C2+2</b> | Bistadio/HP20,0+20,0 | 0/-35 -40               | 27720               | -45+45 | 42000        | 400      |

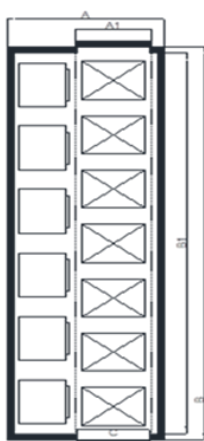
## 5180 6CA



| Codice                 | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|------------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                   | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                        | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB 218518C2+2</b>   | 2180    | 5180 | 980     | 5020 | 2380    | 2     | 930            | 6        |          |
|                        |         |      |         |      |         |       |                |          |          |
| <b>AB 218518C25+25</b> | 2180    | 5180 | 980     | 5020 | 2380    | 2     | 930            | 6        |          |

| Codice          | Compressore          | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|-----------------|----------------------|-------------------------|---------------------|--------|--------------|----------|
| code            | compressor           | temperature in the cell | cooling capacity    |        | absorption   | tension  |
|                 |                      | °C                      | W                   | °C     | W            | V        |
| AB 218518C2+2   | Bistadio/HP20,0+20,0 | 0/-35 -40               | 27720               | -45+45 | 47100        | 400      |
| AB 218518C25+25 | Bistadio/HP25,0+25,0 | 0/-35 -40               | 32740               | -45+45 | 55300        | 400      |

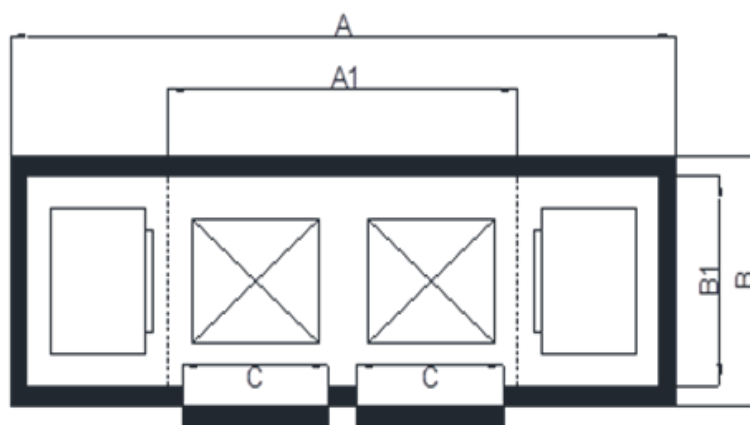
## 6380 7CA



| Codice                 | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|------------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                   | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                        | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB 218638C2+2</b>   | 2180    | 6380 | 980     | 6020 | 2380    | 2     | 930            | 7        |          |
|                        |         |      |         |      |         |       |                |          |          |
| <b>AB 218638C25+25</b> | 2180    | 6380 | 980     | 6020 | 2380    | 2     | 930            | 7        |          |

| Codice                 | Compressore          | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|------------------------|----------------------|-------------------------|---------------------|--------|--------------|----------|
| code                   | compressor           | temperature in the cell | cooling capacity    |        | absorption   | tension  |
|                        |                      | °C                      | W                   | °C     | W            | V        |
| <b>AB 218638C2+2</b>   | Bistadio/HP20,0+20,0 | 0/-35 -40               | 30460               | -45+45 | 50600        | 400      |
| <b>AB 218638C25+25</b> | Bistadio/HP25,0+25,0 | 0/-35 -40               | 34820               | -45+45 | 65800        | 400      |

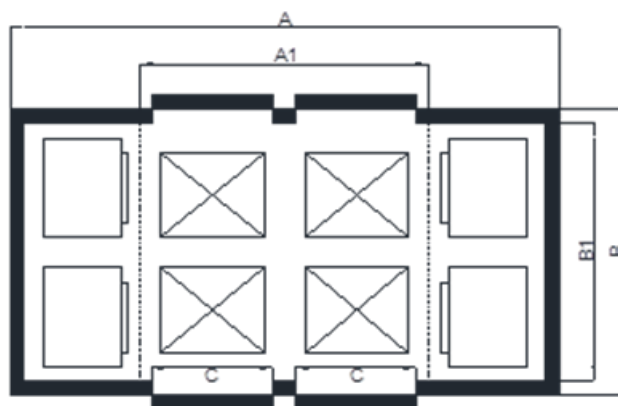
## 1280 2CA 2P



| Codice               | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|----------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                 | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                      | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB2 428128C12</b> | 4280    | 1280 | 2420    | 1020 | 2380    | 2     | 930            | 2        |          |
|                      |         |      |         |      |         |       |                |          |          |
| <b>AB2 428128C16</b> | 4280    | 1280 | 2420    | 1020 | 2380    | 2     | 930            | 2        |          |

| Codice               | Compressore     | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|----------------------|-----------------|-------------------------|---------------------|--------|--------------|----------|
| Code                 | compressor      | temperature in the cell | cooling capacity    |        | absorption   | Tension  |
|                      |                 | °C                      | W                   | °C     | W            | V        |
| <b>AB2 428128C12</b> | Bistadio/HP12,0 | 0/-35 -40               | 9230                | -45+45 | 16300        | 400      |
| <b>AB2 428128C16</b> | Bistadio/HP16,0 | 0/-35 -40               | 13190               | -45+45 | 21000        | 400      |

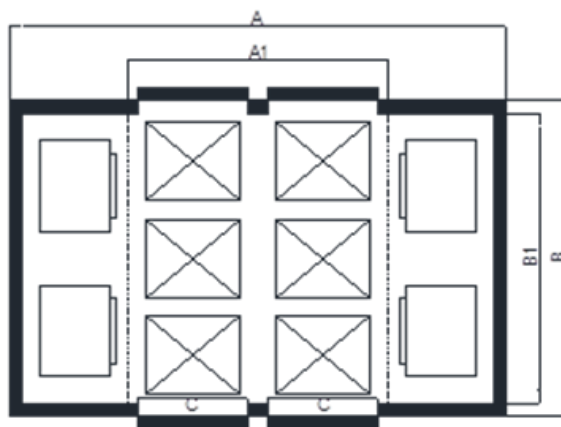
## 2180 4CA 4P



| Codice               | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|----------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                 | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                      | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB2 428218C16</b> | 4280    | 2180 | 2420    | 1840 | 2380    | 4     | 930            | 4        |          |
|                      |         |      |         |      |         |       |                |          |          |
| <b>AB2 428218C25</b> | 4280    | 2180 | 2420    | 1840 | 2380    | 4     | 930            | 4        |          |

| Codice              | Compressore     | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|---------------------|-----------------|-------------------------|---------------------|--------|--------------|----------|
| Code                | compressor      | temperature in the cell | cooling capacity    |        | absorption   | Tension  |
|                     |                 | °C                      | W                   | °C     | W            | V        |
| <b>AB 428218C16</b> | Bistadio/HP16,0 | 0/-35 -40               | 13190               | -45+45 | 21000        | 400      |
| <b>AB 428218C25</b> | Bistadio/HP25,0 | 0/-35 -40               | 17410               | -45+45 | 28800        | 400      |

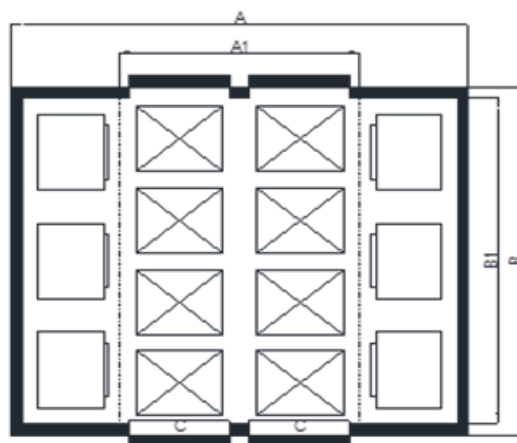
## 2480 6CA 4P



| Codice                | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|-----------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                  | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                       | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB2 428248C30</b>  | 4280    | 2480 | 2420    | 2240 | 2380    | 4     | 930            | 6        |          |
|                       |         |      |         |      |         |       |                |          |          |
| <b>AB2 428248C2+2</b> | 4280    | 2480 | 2420    | 2240 | 2380    | 4     | 930            | 6        |          |

| Codice                | Compressore          | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|-----------------------|----------------------|-------------------------|---------------------|--------|--------------|----------|
| Code                  | compressor           | temperature in the cell | cooling capacity    |        | absorption   | Tension  |
|                       |                      | °C                      | W                   | °C     | W            | V        |
| <b>AB2 428248C30</b>  | Bistadio/HP30,0      | 0/-35 -40               | 20710               | -45+45 | 33600        | 400      |
| <b>AB2 428248C2+2</b> | Bistadio/HP20,0+20,0 | 0/-35 -40               | 27720               | -45+45 | 42000        | 400      |

## 3380 8CA 4P



| Codice                  | A       | B    | A1      | B1   | H       | Porte | Luce porta     | Carrelli | Prezzo € |
|-------------------------|---------|------|---------|------|---------|-------|----------------|----------|----------|
| Code                    | est/ext |      | int/int |      | est/ext | Doors | Door clearance | Trolleys |          |
|                         | mm      | mm   | mm      | mm   | mm      |       | mm             | A        |          |
| <b>AB2 428338C2+2</b>   | 4280    | 3380 | 2420    | 3020 | 2380    | 4     | 930            | 8        |          |
|                         |         |      |         |      |         |       |                |          |          |
| <b>AB2 428338C25+25</b> | 4280    | 3380 | 2420    | 3020 | 2380    | 4     | 930            | 8        |          |

| Codice                  | Compressore          | Temperatura in cella    | Potenza frigorifera |        | Assorbimento | Tensione |
|-------------------------|----------------------|-------------------------|---------------------|--------|--------------|----------|
| Code                    | compressor           | temperature in the cell | cooling capacity    |        | absorption   | Tension  |
|                         |                      | °C                      | W                   | °C     | W            | V        |
| <b>AB2 428338C2+2</b>   | Bistadio/HP20,0+20,0 | 0/-35 -40               | 27720               | -45+45 | 47100        | 400      |
| <b>AB2 428338C25+25</b> | Bistadio/HP25,0+25,0 | 0/-35 -40               | 32740               | -45+45 | 55300        | 400      |