



# CRYSTAL TIPS



143 Kg/24h

Fabbricatori di ghiaccio modulari / Modular Ice Makers:

M145 - M195 - M205 - M305 - M405

M145 F - M195 F - M205 F - M305 F - M405 F - M505 F



USB



BLUETOOTH



TOUCH CONTROL



OPTIONAL  
RAINBOW  
TECHNOLOGY



SAFE  
ICE



OPTIONAL  
OZONE



APP  
REMOTE  
CONTROL

230V/1N/50Hz  
Modular icemaker system

## CARATTERISTICHE

- Scocca in acciaio
- Condensazione ad aria o acqua
- Ciclo di sanificazione
- Tasto comandi capacitivo
- Segnalazione acustica e luminosa allarmi
- Report allarmi HACCP
- Regolazione peso cubetto esterna
- Collegamento USB per aggiornamento sw e scarico dati HACCP
- Ventilatore condensatore controllato alle basse temperature ambiente
- Produzione ghiaccio programmabile
- Analisi predittiva malfunzionamenti
- Report prestazioni apparecchiatura.

## OPZIONALE

Ciclo sanificazione programmabile con Ozono Trattamento  
- nanotecnologico evaporatore con Rainbow technology

Connessione cloud IOT  
Regolazione livello ghiaccio deposito

## FEATURES

- Stainless steel construction
- Air or water condensation
- Sanitization cycle
- Capacitive button
- Acoustic and luminous alarms
- Report HACCP alarms
- External cube weight adjustment
- USB connection for software update and HACCP data download
- Condenser fan controlled at low ambient temperatures
- Programmable ice production
- Predictive analysis of malfunctions
- Machine performance report.

## OPTIONAL

Sanitization cycle programmable with Ozone Rainbow technology  
Nanotechnological evaporator treatment

IOT cloud connection  
Storage bin ice level adjustment

## DATI TECNICI / SPECIFICATIONS

|          |              |  |  |  |  |  |  |  |  |  |
|----------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|          |              | cond                                                                                | comp. W                                                                             | ABS. W                                                                              | Fuse                                                                                | Kwh/100Kg                                                                           | l / h                                                                               | kg                                                                                  | kg                                                                                  |                                                                                       |
| D145 F A | 220-240/50/1 |  | 1637                                                                                | 850                                                                                 | 10                                                                                  | 14.5                                                                                | 6.97                                                                                | 53                                                                                  | 65                                                                                  |                                                                                       |
| D145 F W | 220-240/50/1 |  | 1637                                                                                | 750                                                                                 | 10                                                                                  | 14.0                                                                                | 53.8                                                                                | 53                                                                                  | 65                                                                                  |                                                                                       |

## TIPO GHIACCIO / ICE TYPE

|                                                                                                               | PCS / CYCLE<br>PZ/CICLO | WEIGHT ICE<br>PESO GHIACCIO |
|---------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------|
|  HALF-LARGE<br>10X29X24 mm | 265                     | 6 g                         |
|  DICE<br>22X22X24 mm       | 168                     | 10 g                        |
|  LARGE<br>29X29X24 mm      | 110                     | 17 g                        |

## PRODUZIONE GHIACCIO / ICE PRODUCTION

kg/24h  
lbs/24h

Raffreddamento ad Aria  
Air Cooled Unit



| Temp. Aria<br>Air Temp. | Temp. Acqua / Water Temp. |            |            |            |
|-------------------------|---------------------------|------------|------------|------------|
| °C<br>°F                | 32°<br>90°                | 21°<br>70° | 15°<br>60° | 10°<br>50° |
| 10°                     | 120                       | 137        | 140        | 143        |
| 50°                     | 264                       | 301        | 308        | 316        |
| 21°                     | 104                       | 118        | 124        | 128        |
| 70°                     | 230                       | 260        | 273        | 283        |
| 32°                     | 93                        | 104        | 108        | 111        |
| 90°                     | 205                       | 229        | 238        | 245        |
| 38°                     | 79                        | 87         | 94         | 97         |
| 100°                    | 174                       | 192        | 207        | 214        |

Raffreddamento ad Acqua  
Water Cooled Unit



| Temp. Aria<br>Air Temp. | Temp. Acqua / Water Temp. |            |            |            |
|-------------------------|---------------------------|------------|------------|------------|
| °C<br>°F                | 32°<br>90°                | 21°<br>70° | 15°<br>60° | 10°<br>50° |
| 10°                     | 117                       | 124        | 127        | 129        |
| 50°                     | 258                       | 274        | 281        | 285        |
| 21°                     | 105                       | 115        | 120        | 122        |
| 70°                     | 232                       | 253        | 264        | 268        |
| 32°                     | 97                        | 105        | 111        | 113        |
| 90°                     | 214                       | 230        | 245        | 249        |
| 38°                     | 95                        | 103        | 109        | 110        |
| 100°                    | 209                       | 226        | 241        | 243        |



# CRYSTAL TIPS

# D 145 F



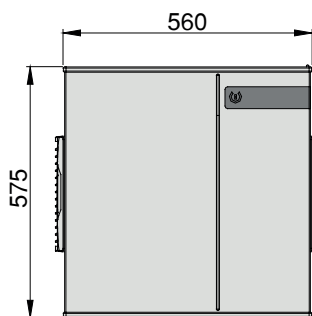
**143** Kg/24h

230V/1N/50Hz  
Modular icemaker system

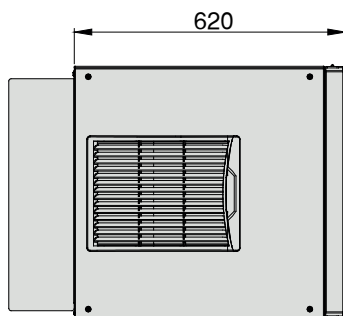
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## DIMENSIONI / DIMENSIONS

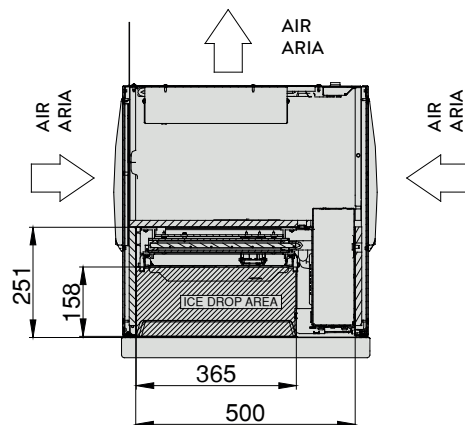
Vista frontale  
Front view



Vista laterale  
Lateral view

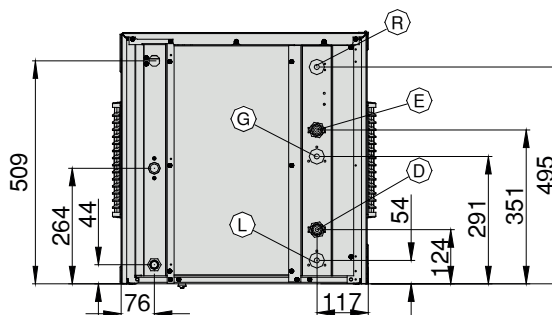
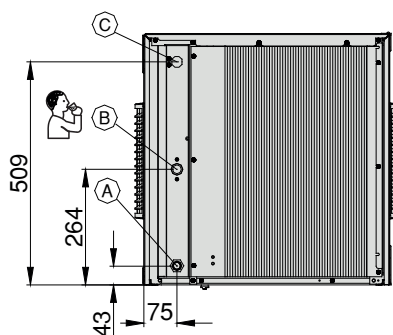


Vista superiore  
Top view



Raffreddato ad aria  
Air cooled

Raffreddato ad acqua  
Water cooled

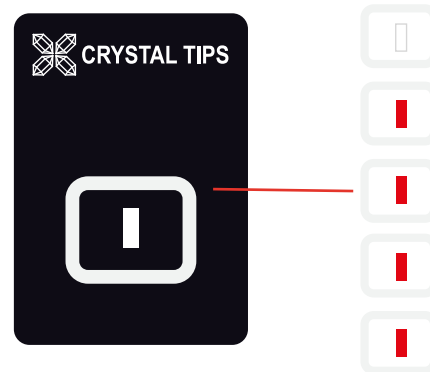


- A** Scarico acqua Ø 20mm  
Water drain Ø 20mm
- B** Ingr. acqua potabile 3/4 GAS Potable  
water inlet 3/4 GAS
- C** Ingresso alimentazione elettrica Electrical  
cable supply

- D** Ingresso acqua cond. 3/4 GAS Condenser  
water inlet 3/4 GAS
- E** Uscita acqua cond. 3/4 GAS Condenser  
water outlet 3/4 GAS
- L** Mandata gas linea split 1/2" connessione  
rapida maschio  
Discharge gas split line 1/2" male quick  
connection

- L** Aspirazione gas linea split 1/2" connessione  
rapida maschio  
Suction gas split line 1/2" male quick connection
- R** Connessione alimentazione per ventilatore  
condensatore remoto  
Remote electrical connection for condenser  
fans

## TOUCH CONTROL



**Capacitive Stand-by Reset button**  
(led with continuous colors variation from white to red)

**Pulsante Capacitivo di ripristino dello stand-by** (led a  
variazione continua di colori dal bianco al rosso)

## CONDIZIONI OPERATIVE - OPERATING REQUIREMENTS

|                                          | Min.          | Max           |
|------------------------------------------|---------------|---------------|
| Temp. Ambiente / Air Temperature         | 10°C          | 40°C          |
| Temp. Acqua / Water Temperature          | 5°C           | 35°C          |
| Press. Acqua / Water Pressure            | 1 Bar (14psi) | 5 Bar (70psi) |
| Conducibilità acqua / Water conductivity | 20 °S         | 500 °S        |
| Alimentazione / Electrical supply        | -10%          | +10%          |

|                                |          |
|--------------------------------|----------|
| Calore espulso / Rejected Heat | 1731 W   |
| Volume Aria / Air Volume       | 590 m3/h |