

High quality components ...



... in an industrial design.

## Main characteristics

- Capacity: 5000 kg/24 h flake ice chipped type
- Ideal ice temperature of -0,5 °C  
Macrolce, StandardIce or Microlce
- Designed for continuous operation -  
24 hours - 7 days a week
- Hygienic Design: Closed watersystem -  
no contamination by external influences
- Environmental friendly technology -  
No moving parts in the refrigeration circuit of the  
evaporator-  
no refrigerant leakage



Macrolce

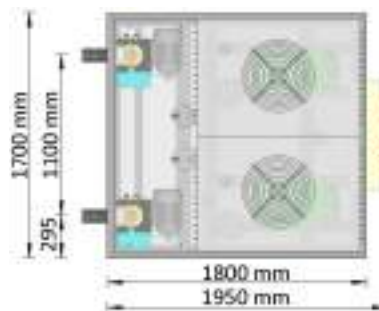
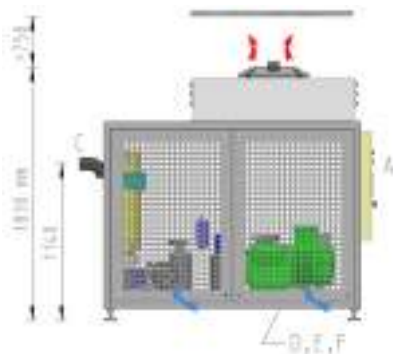


StandardIce



Microlce

## Dimensions and connections



- A control panel
- C ice discharge
- D electr. connection
- E water supply
- F water drain

provided by customer:  
 water filter  
 stop cock  
 electr. protection  
 waste water connection  
 (contactless)

## Technical Data

|                                  | UBE 5.000 20°C                                       | UBE 5.000 35°C                                       |
|----------------------------------|--|--|
| 5000 kg/24 h nominal capacity at | 20 °C air temperature and<br>15 °C water temperature | 35 °C air temperature and<br>25 °C water temperature |
| frame dimensions (L x W x H)     | 180 cm x 170 cm x 187 cm                             | 180 cm x 170 cm x 187 cm                             |
| weight                           | 1400 kg  | 1400 kg  |
| frame and cover panels           | powder coated  | powder coated  |
| ice discharge                    | see specification "ice outlets"                      | see specification "ice outlets"                      |
| electricity                      |  |  |
| power consumption                | 17,5 kW  | 21,5 kW  |
| current consumption              | 34 A   | 46 A   |
| provided by customer             |  |  |
| electric supply                  | 3/N/PE ~ 400V 50Hz                                   | 3/N/PE ~ 400V 50Hz                                   |
| fuse, slow-blow                  | 80 A   | 80 A   |
| cable cross section, Cu          | 16 mm <sup>2</sup>                                   | 16 mm <sup>2</sup>                                   |
| water                            |  |  |
| supply / drain                   | 1/2 " / 14 mm  | 1/2 " / 14 mm  |
| provided by customer             |  |  |
| pressure                         | 2 - 5 bar  | 2 - 5 bar  |
| quality                          | drinking water                                       | drinking water                                       |
| pH-value                         | 7,2 - 9,5 pH   | 7,2 - 9,5 pH   |
| hardness                         | 6 - 14 °dH   | 6 - 14 °dH   |
| temperature                      | 100 - 250 mg CaCO <sub>3</sub> /l<br>5 °C - 30 °C    | 100 - 250 mg CaCO <sub>3</sub> /l<br>5 °C - 30 °C    |
| ambient temperature              | 5 °C - 42 °C   | 5 °C - 45 °C   |
| condenser                        |  |  |
| air flow                         | air cooled<br>12500 m <sup>3</sup> /h                | air cooled<br>15000 m <sup>3</sup> /h                |
| heat emission                    | 40 kW  | 41 kW  |
| refrigerant R404                 | 12 kg  | 12 kg  |
| compressor                       |  |  |
| refrigerating capacity           | semi-hermetic<br>6 H Bitzer<br>25 kW                 | semi-hermetic<br>6 G Bitzer<br>27 kW                 |
| evaporation temperature          | -32 °C   | -31 °C   |
| condensation temperature         | 33 °C  | 45 °C  |
| noise level                      | 76 dBA (3 m)   | 76 dBA (3 m)   |

Subject to technical modifications. In case of deviations please contact us.

## Scope of supply

The ZIEGRA ice machine will be delivered according to CE standards and ready for connection to water and electricity.

### ZIEGRA quality and reliability

- HygienePlus: automatic water drain for additional hygiene
- 3 min. overrun to use the re-evaporation after switch-off
- Condensation control in order to keep an equally high ice quality
- Phase sequence relay
- Overload cut-out / thermal switch for all motors and the compressor
- High / Low pressure control
- Water level monitoring
- Ice discharge hose or discharge tube, according to requirements.
- Switch-off by light scanner or light barrier when ice bin or recipient is full.
- For a wide range of accessories such as storage bins, or water treatment see separate list "options and accessories"

## Options

- Ice discharges in various designs, e.g. to produce
  - into a storage bin, or
  - into an ice trolley or similar
- Condenser either blowing upwards or sideways
- Split installation, e.g. condenser, refrigeration unit or both in remote version
- For connection to cooling water
- Low-noise condenser (only for remote installation)
- Ice maker only
  - for separate refrigeration unit
  - for central refrigeration system
- Stainless steel frame or cabinet, or without cabinet
- Special voltage



Ice maker with control system and stainless steel cabinet....

## Accessories

- Ice storage bins in various sizes and designs, suitable for integration into automated processes e.g. AS, S for automatic or manual dosing
- HygienePlus: flushing system or flushing incl. disinfection
- Triple Filter reduces lime scale and impurities
- UV sterilization
- ZIEGRA water softening available for very hard water and large flow rates
- Support, wall brackets, or similar
- Melt water pump, leak water sensor and leak water tray
- Freeze protection
- additional separate operating switch
- timer for 7 days
- protection against overvoltage and undervoltage
- Spare part sets, available for minimum for 15 years
- Global sales and service.



Silo AS 500 with ice machine



ZIEGRA water softener in cases of highly calciferous drinking water

Technical details: please see respective machine specification. With pleasure we submit to you any further information, also regarding your special requirements