

High quality components ...



...in a sturdy stainless steel cabinet

Main characteristics

- Capacity: 1000 kg/24 h flake ice chipped type
- Ideal ice temperature of $-0,5^{\circ}\text{C}$
Macrolce, StandardIce or Microlce
- Designed for continuous operation -
24 hours - 7 days a week
- Hygienic Design: Closed watersystem -
protected against contamination by external influences
- Environmental friendly technology -
No moving parts in the refrigeration circuit of the evaporator-
no refrigerant leakage



Macrolce

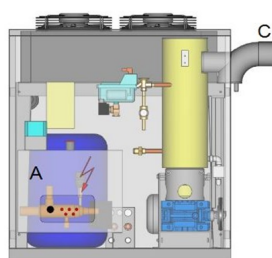
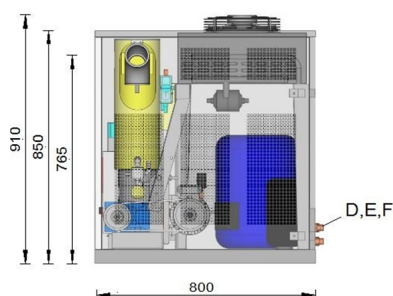


StandardIce



Microlce

Dimensions and connections



- A operating switch
- 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

	ZBE 1.000 20°C	ZBE 1.000 35°C
1000 kg/24 h nominal capacity at	20 °C air temperature and 15 °C water temperature	35 °C air temperature and 25 °C water temperature
cabinet dimensions (L x W x H)	80 cm x 80 cm x 85 cm	80 cm x 80 cm x 85 cm
weight	185 kg	195 kg
cabinet	stainless steel 1.4301	stainless steel 1.4301
ice discharge	see specification "ice discharges"	see specification "ice discharges"
electricity		
power consumption	3 kW	4,3 kW
current consumption	7,5 A	8,5 A
provided by customer		
electric supply	3/N/PE ~ 400V 50Hz	3/N/PE ~ 400V 50Hz
fuse, slow-blow	25 A	25 A
cable cross section, Cu	4 mm ²	4 mm ²
water		
water supply	3/4 " male thread	3/4 " male thread
water drain	14 mm hose nozzle	14 mm hose nozzle
provided by customer		
pressure	1 - 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 ₃ /l 5 °C - 30 °C	100 - 250 mg CaCO ₃ /l 5 °C - 30 °C
ambient temperature	5 °C - 42 °C	5 °C - 45 °C
condenser		
air flow	air cooled 2.900 m ³ /h	air cooled 3.000 m ³ /h
heat emission	7,5 kW	10,3 kW
refrigerant R452A / R449A / R404A etc.	2,2 kg	2,8 kg
compressor		
refrigerating capacity	fully hermetic Danfoss 4,7 kW	fully hermetic Danfoss 5,6 kW
evaporation temperature	-23 °C	-21 °C
condensation temperature	33 °C	45 °C
noise level	60 dBA (3 m)	62 dBA (3 m)

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

Scope of supply

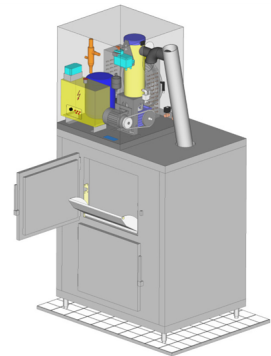
The ZIEGRA ice machine will be delivered according to CE standards and ready for connection to water and electricity.

Included accessories

- 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 pressure pressostat
- 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.
- Flexible hose water supply 2 m
- Water drain hose 2 m
- PE ice shovel
- For a wide range of accessories such as storage bins, or water treatment see separate list "options and accessories"

Options

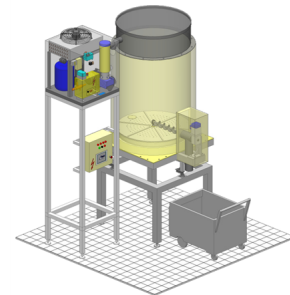
- Ice discharges in various designs, e.g. to produce
 - into a storage bin, or
 - into an ice trolley or similar
- Condenser either blowing upwards or sideways
- Split installation, e.g. condenser, refrigeration unit or both in remote version
- For connection to cooling water
- Low-noise condenser (only for remote installation)
- Ice maker only
 - for separate refrigeration unit
 - for central refrigeration system
- Special voltage



Ice machine with ice storage

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: water drainage, flushing system, or flushing incl. disinfection
- Cartridge Water Filter reduces lime scale and germs
- 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
- Restart delay
- protection against overvoltage and undervoltage
- Spare parts available for minimum for 15 years
- Global sales and service.



Silo AS 500 with ice machine



Cartridge water filter 90

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