

Ice maker with control system...

Main characteristics

- Capacity: 3500 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 -
Natural refrigerant CO2 - R744
No moving parts in the refrigeration circuit of the
evaporator-
no refrigerant leakage
- For connection to the low freeze refrigeration system
(direct evaporation)

CoolNat
Cooling made by Nature



Macrolce

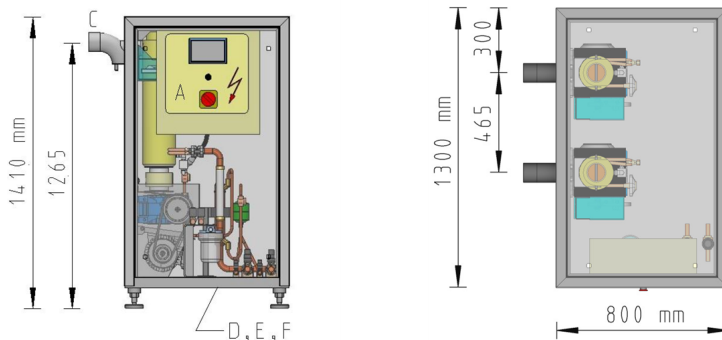


StandardIce



Microlce

Dimensions and connections



- A control panel
- C ice discharge
- D electr. connection
- E water supply
- F water drain
- K liquid pipe
- L suction pipe

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

Technical Data

	UBE 3.500-2 EV 20°C	UBE 3.500-2 EV 35°C
3500 kg/24 h nominal capacity at	15 °C water temperature	25 °C water temperature
frame dimensions (L x W x H)	80 cm x 130 cm x 141 cm	80 cm x 130 cm x 141 cm
weight	550 kg	550 kg
frame and cover panels	powder coated	powder coated
ice discharge	see specification "ice discharges"	see specification "ice discharges"
electricity		
full-load electricity	1,8 kW	1,8 kW
current consumption	4,8 A	4,8 A
provided by customer		
electric supply	3/N/PE ~ 400V 50Hz	3/N/PE ~ 400V 50Hz
fuse, slow-blow	16 A	16 A
cable cross section, Cu	2,5 mm²	2,5 mm²
signal cable		
refrigeration system	3 x 1,5 mm² Enable, fault	3 x 1,5 mm² Enable, fault
ice maker	5 x 1 mm² request, malfunction	5 x 1 mm² request, malfunction
water		
water supply	1/2 " male thread	1/2 " male thread
water drain	14 mm hose	14 mm hose
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 CaCO3/l	100 - 250 mg CaCO3/l
	5 °C - 20 °C	5 °C - 30 °C
ambient temperature	5 °C - 42 °C	5 °C - 45 °C
cooling		
evaporation temperature	~ -26 °C	~-27 °C
refrigerating capacity	2x8 kW	2x9 kW
connection liquid pipe, Cu	2x1/2 "	2x1/2 "
connection suction pipe, Cu	2x5/8 "	2x 5/8 "
provided by customer for the ice maker		
refrigerant	R744	R744
liquid supply	25 bis 44 bar (-10 bis +10°C)	25 bis 44 bar (-10 bis +10°C)
sub-cooling	2 - 5 k	2 - 5 k
suction pressure, TK-refrigeration system	<-30°C (<13,4bar)	<-30°C (<13,4bar)
admissible operating pressure		
high pressure side	120 bar	120 bar
admissible operating pressure		
low pressure side	52 bar	52 bar

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

Scope of supply

The ZIEGRA ice maker will be ready for connection to a refrigeration system as well as water and electricity and be delivered according to EC- standards.

ZIEGRA quality and reliability

- All necessary control units for connection to a refrigeration system
- Pre-wired switch box including potential-free contact, for connection to signaling cable provided at site
- 5 min. overrun to use the re-evaporation after switch-off
- Phase sequence relay
- Overload cut-out / thermal switch for all motors
- Water level monitoring
- Safety switch-off in case of ice jam
- Ice discharge hose or discharge tube, according to requirements.
- HygienePlus: automatic water drain for additional hygiene
- 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"