P300 ICE BLOCK MAKER

USER GUIDE

Your P300 ice maker has been carefully packed for further transportation. If you see visible damage on the package, please make a note on the waybill and submit a claim with the carrier.

- **General overview**

1 - Lid, **2** - Control panel, **3** - on/off button, **4** - cooling radiator, **5** - sockets for pumps, **6** - adjusting support.

- **Transportation**

The P300 ice maker is transported on its own wooden pallet in a horizontal position.
Please use caution when manually de-palletizing or moving equipment.

Do not pull on tubes or wires or other parts as this may damage the equipment.
It is allowed to lift only by the bottom of the case. You can also slide it on a flat floor.

If for some reason you tilted it more than 45 degrees, you need to wait 12 hours before you can turn it on.

◆ **Complete set**

• Ice maker with two containers
• Metal plates for lifting - 8 pcs
• Water pumps - 8 pcs
• Holders of water pumps - 8 pcs
• Starter set of plastic bags - 20 pcs
• Metal bar for lifting ready-made blocks – 1 pcs
• User guide

◆ **Preparation for work / installation**

Please install the P 300 in a dry place no closer than 15 cm to the wall for fresh air circulation. With the help of adjusting supports, you can set it on an uneven surface.
The containers hold up to 150 liters of water each.
For the production of crystal clear ice, it is best to use osmosis water.

The machine is configured for maximum performance and is ready for work. If the equipment works in a cold room and its performance is too high, you can change the maximum temperature using the controller. To do this, please send us a request for a video instruction.

Please note: If your socket is other than C/F type, you need to install the power plug of your type.

◆ **Operation**

Open the lid and place the plastic liner in the bottom of one container with the open fold facing up.
Be careful not to damage the liner when placing it in the container. It should lie so that the corners and sides fit neatly inside the container. Fold the rest of the liner over the container on each side.
Place the lift plate on the smaller side of the container on each side, using the small hook on the back to hold the liner in place. This lifting plate will be frozen into the block of ice and used to lift the block out of the container. A lifting plate that has fallen into the container will most likely damage the liner. The liner should be thrown away if there is a possibility of it being damaged.
If necessary, straighten the liner to fit the inside of the container. Now the liner is in place and ready to fill with water.
After installing both liners, fill each container to about 5-7 cm from the edge.
To speed up the process, cool the water with a chiller or by adding pieces of ice (please add ice only when there is water in the container, otherwise the liner may be damaged by ice)

Water spilled outside the container will outflow through the drain at the bottom of the machine.
Attach a water pump to the edge of each container. (We recommend using 1 pump per 1 container if you are making pure ice and 2 pumps for better water circulation if you are freezing any items)
Connect the pump to the socket on the bottom panel and bend the pump arm so that the bottom 4 cm of the pump is hanging down into the water. Sometimes it is necessary to tilt the pump up and then lower it into the water to get rid of the entrained air in order to start the pump. Now close the lid of the machine and turn on the button on the panel. In some versions, the start delay is set up to 2 minutes after pressing the button.

The average ice growth cycle is three days. During this period, you can simply check the process with a ruler.

- **Harvesting**

Make sure that the block is frozen to the required height. (If there is less than 15 cm from the top of the ice to the edge of the container, the lifting plates will not freeze properly, which can cause the block to fall during the lifting process.
Disconnect the water pump and set it aside. If it has frozen into ice, please rinse the frozen area with a stream of cold water.
Remove excess water from the top of the ice block. You can use a vacuum cleaner for wet cleaning or a drain pump for this.
Securely attach the lift bar to the end of the hoist. (Also can be hung from forklift forks or car lift chain.)
Hook the two plates on the lifting bar to the plates frozen in the ice blocks and lift them up a little. Use your hands to push out all four flexible sides of the container to release the ice.
If the block stuck to the container as a result of the package leaking, you need to wait up to two hours and try to lift it again.

Do not leave the block hanging after lifting, place it on a till cart or any surface.
Using a multi-point ice pick or chisel, remove the high edges on the top of the block, leaving a flat, smooth surface. Now the block with the plastic liner around it is ready for processing or storage.

A bare piece of ice should never be placed directly on a metal or warm surface.
An ice block left in hot wind or on a hot surface can crack due to thermal shock.

- **Care**

For the correct operation of the equipment, please do not block the access of air circulation in the area of the compressor.
From time to time (depending on the level of air pollution in your room), please clean the radiator with a vacuum cleaner or a stream of compressed air.
If you will not use the equipment for a long time after work, please do not close the lid until the containers are completely dry.
If ice has formed on the bottom of the machine due to leakage, please allow it to melt before proceeding to the next cycle.

! Do not try to clean the machine from ice with sharp objects - this can lead to damage to the equipment

- **Data sheet**

Technical information	
dimensions (L x W x H)	250 x 130 x 100 cm / 100 x 50 x 40 inches
full weight	290 kg / 640 lb
material of execution	metal + polyurethane
power supply	AC 220-240 V or 110-120 V*, 50/60 Hz
current power	1400 W
refrigerant	R404A / R452A

** with the additional installation of a voltage converter*

Product features	
number of blocks	4 per cycle
the size of the finished block	105 x 50 x 25 cm / 40 x 20 x 10 inches
volume of tanks	4 x 150 l / 4 x 40 gal
weight of finished products	4 x 130 kg / 4 x 300 lbs

- **Warranty**

The warranty for the equipment is provided for 12 months from the date of its installation. At the same time, the warranty period cannot exceed 18 months from the date of delivery of the equipment to the customer in accordance with the goods invoices.

The warranty provides for free repair of the equipment for the customer in case of malfunctions caused by the fault of the manufacturer. At the same time, the guarantee does not cover possible losses from loss of income and profit, costs for temporary replacement of equipment, other direct or indirect losses associated with equipment malfunction.

Equipment that failed as a result of violation of operating rules, mechanical damage, as well as due to force majeure circumstances (fire, natural disaster, etc.) is not subject to warranty repair.

The warranty expires if the equipment is serviced or repaired by a person who does not have the appropriate qualifications for repairing such equipment.

When receiving the equipment, the client is obliged to inspect it for mechanical damage and, in the event of its detection, immediately submit a claim in writing to the courier service and inform our manager about it. Otherwise, the product is subject to warranty repair.

If you have any questions or need additional information, please contact us at **www.bftech.pro**

Compressor
Voltage Code : HZ

CAJ2464Z-HZ

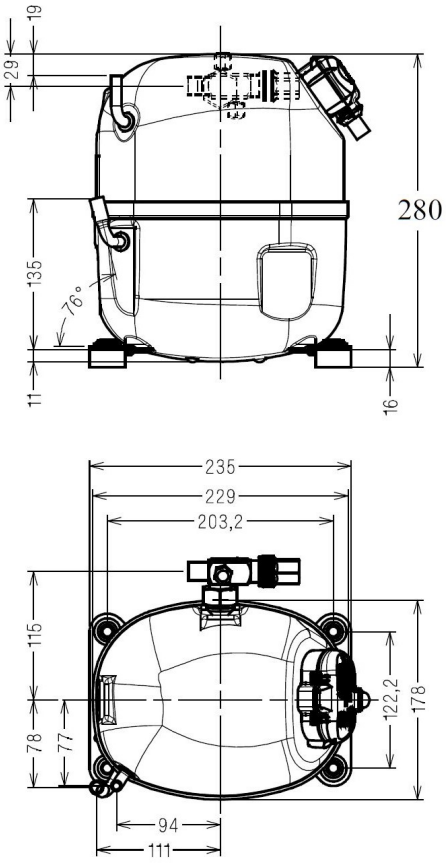
Low Temp. Commercial (BP)

208 - 220V 1~ 60 Hz

R452A / R404A / R448A / R449A

AJ2444Z-HZ3C

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN12900 / R452A	60 Hz	861	2937	66 dBA
EN12900 / R404A	60 Hz	936	3190	66 dBA
EN12900 / R448A	60 Hz	728	2482	66 dBA
EN12900 / R449A	60 Hz	728	2482	66 dBA



Displacement (cc)	34,5
Net Weight (Kg)	23.7
Oil Quantity (cc)	475.0
Oil Type	Polyolester
Expansion Device	Capillary_Tube/Expansion_Valve
Cooling	Fan
Main Winding (Ohm)	1.0
Start Winding (Ohm)	4.1
Current	
RLA (A)	6.5
MCC (A)	14
LRA (A)	55
Electrical Equipment	CSR
Overload	GA3SJU81
Time Check	2.8s - 5.2s / 47 A
Open Temp	135° C
Close Temp	61° C
Start Capacitor	125 µF / 330 V
Run Capacitor	20 µF / 400 V
Potential Relay	RVA6AM**
Pick Up	239/268V
Drop Out	60/135V
Optional	3ARR3*4A*
Refrigerating connection for	
Suction Tube	15.9 (5/8")
Discharge Tube	9.5 (3/8")
Process Tube	6.35 (1/4")

* EN12900 : T°Cond. 40.0°C / T°Evap. -35.0°C / T°Return gas temp.. 20.0°C T°Subcooling. 0.0K

Certificates :

Note : Tecumseh reserves the right to change information contained in this document without notification.