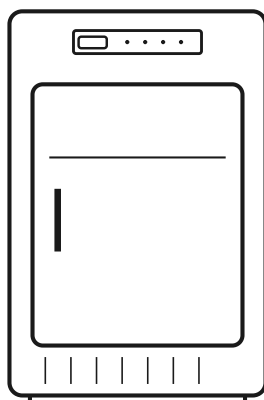




Commercial Ice Machine

User Manual

IM-30 • IM-50 • IM-80 • IM-120



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Warnings and Safety

These precautions ensure safe, correct use of the ice machine and minimise the risk of injury or damage.

- Keep all vents clear while the machine is operating.
- Install the unit on a flat, sturdy surface able to support its weight. Indoor use only, away from sunlight and heat.
- Use a dedicated wall outlet; we do not recommend using an extension cord.
- Use only water to make ice – never any other liquid.
- Ensure the supply water pressure is between 100 kPa and 400 kPa (14.5–58 psi).
- The drain pipe must be connected before use, running to a container or drain.
- Do not damage, modify or bend the power cord; if damaged, a qualified technician must replace it.
- Do not immerse the unit in water or use steam/jet washers to clean it.
- Never place heavy objects or items containing liquid on top of the unit.
- Disconnect from power before cleaning, maintenance or replacing parts; all repairs must be done by a qualified technician.
- Dispose of the unit only at an authorised waste centre; do not expose it to a flame.



This product contains R290 flammable gas. Misuse of the unit could result in fire or serious injury.



Empty and clean the storage bin once a week and throw away old ice.

In Queensland, technicians working on units with hydrocarbon refrigerants must hold a Gas Work Authorisation or Licence.

Installation

Before Use

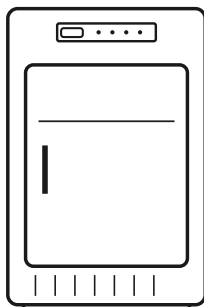
- Remove the shipping packaging and protective film. Check no parts are missing – if any are, contact Borrelli.
- Clean the unit with lukewarm water or run the Self-Clean function before first use.

Positioning

- Install on a flat, stable surface sturdy enough to support the loaded unit, indoors and out of direct sunlight or heat.
- Keep the unit in a temperature-controlled environment, not exposed to rain or weather.
- Allow 20 mm at the sides and 100 mm at the rear (15 cm back and sides on larger models) for airflow.

Water & Drainage

- Connect the labelled water-supply pipe (with its filter) to the corresponding inlet; seal the threads with Teflon tape. If unsure, use a licensed plumber.
- Insert the drainage pipe into the machine and run it to the drainage point. The drain outlet must sit lower than the machine outlet, as it is gravity-fed.
- After connecting, the self-locking drain fitting keeps the connection from leaking.



How to Use

The unit is operated from the control panel on the front. The display shows the ice-making time or a countdown.



Button Functions

- ON/OFF – turns the unit on; press again for standby (off).
- Timer / Clean – press to set a timed start or stop; press and hold to begin the cleaning cycle.
- LED / De-Icing – press to turn the interior LED light on and off; press and hold to start a de-icing (harvest) cycle.
- Up (+) and Down (-) – adjust the time shown on the display. Longer time makes thicker ice.

Indicator Lights

- Power: the unit is switched on. Ice Full: the sensor flap is held open by ice – the bin is full and the machine pauses.
- Ice Making: a batch of ice is being made. Lack Water: the water supply is low or interrupted – check the inlet and tap.
- Time: a timed start or stop is set. Clean: the cleaning cycle is running.

Ice Thickness

The ice thickness is determined by how long you give the ice-making process. The longer the time set, the thicker the ice is going to be. When setting the timer, follow these easy steps.

1. Push and hold down the Timer / Clean button. This will display the time set in quarter hours. The shortest length of time is 15 minutes. This will create the thinnest ice.
2. To change this setting, push the Up and Down arrows. This will adjust the timing of the ice-making process. For thicker ice, the setting should be at 6, 7 or 8. For thinner ice the setting should be 4, 5 or 6.

Sensor Flap

- The sensor flap tells the unit when to stop making ice; when it is held down by ice, ice-making pauses.
- If ice jams the flap open, remove the ice so it can move freely and production can resume.

Cleaning and Maintenance



Always disconnect the unit from power before cleaning or maintenance.

Manual Cleaning

- For dust, wipe inside and out with a dry cloth.
- For a deeper clean use a mild detergent and a soft cloth – never strong detergents.
- Empty the storage bin and discard old ice at least once a week.

Self-Cleaning Function

1. Mix a 1:1 ratio of water and vinegar (or lemon juice) and pour it into the water tray.
2. With the unit plugged in, hold the "Clean" (Timer/Clean) button for about 3 seconds to start the cycle.
3. The cycle runs about 30 minutes, rinsing the inside several times.
4. When it finishes, remove the drain cap under the water tray, drain the water, then refit the cap.
5. Refill the tray with fresh water to the level mark and repeat to rinse out any residue.
6. Dry the interior with a clean, soft cloth – the unit is ready to use.

Drainage

- The drain plug sits underneath the water tray; remove it to empty contaminated water during cleaning, then refit it.
- To remove the drain pipe, release the grey seal cap first, then pull the pipe out – never pull the pipe without releasing the seal.
- Clean the unit before use if it has not been used for a long period.

Specifications

Figures are from the current product listings at borrelli.com.au.

Specification	IM-30	IM-50
Ice output / 24 h	30 kg	50 kg
Storage bin	5 kg	7 kg
Cube size	22 mm	22 mm
External W×D×H	380×420×600	400×550×750
Weight	20 kg	27 kg
Power	220–240 V	220–240 V
Plug	10 A	10 A
Material	304 S/S	304 S/S
Install kit	Included	Included

Specification	IM-80	IM-120
Ice output / 24 h	80 kg	120 kg
Storage bin	15 kg	30 kg
Cube size	22 mm	22 mm
External W×D×H	500×625×840	680×620×920
Weight	45 kg	51 kg
Power	220–240 V	220–240 V
Plug	10 A	10 A
Material	304 S/S	304 S/S
Install kit	Included	Included

Dimensions in mm; cube 22 × 22 × 22 mm; 304 brushed stainless steel. From borrelli.com.au. Allow 20 mm at the sides and 100 mm at the rear. Supplied with an installation kit. IM-120 is also sold as the clearance-stock IM-120CL (same specification).

Error Codes

If one of the following codes appears on the display, refer to the table below.

Code	Meaning	What it means & what to do
F1	Water Pumping Overtime	No water supply, or a water-valve, water-pump or PCB fault. Check the water supply; the related components must be checked and replaced by a technician.
F2	Ice Full	Ice blocks are holding the sensor flap down. Remove the ice so the flap can move freely, and normal operation resumes.
F3	Sensor Failure	The sensor is faulty or has short-circuited. This must be resolved by a qualified technician.
F4	Ice Falling Failure (ice too thick)	The ice is too thick to drop. Power off, let the cubes drop off, restart and set the ice thickness to thinner (see How to Use).

If a code persists after these checks, disconnect the unit and contact Borrelli. Repairs involving the sealed system or refrigerant must be carried out by a qualified technician.

Warranty and Enquiries

Warranty periods vary by product. For the period that applies to this model, see its product page at borrelli.com.au. For the warranty terms and how to make a claim, see our Terms & Conditions. Keep your proof of purchase, as it may be required.

Enquiries

Phone	03 9783 6325
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