

PROJECT: _____
 ITEM # _____ QTY: _____
 MODEL # _____
 AIA # _____ SIS # _____

PEARL ICE® MAKER

GEM0450A90



Features and Benefits

- Uses R290 for a more environmentally friendly and efficient refrigerant.
- Fan favorite soft, chewable Pearl nugget-style ice.
- Cools beverages faster and longer while maintaining flavors better.
- Decreased water and power usage compared to cube ice makers.
- Load monitoring system constantly checks workload on gearbox shutting down system before a problem develops and preventing costly repairs.
- Water sensor eliminates low or no water failures and operates in adverse water conditions.
- Rugged stainless-steel evaporator assembly ensures reliability.
- Maintenance-free, industrial-grade double roller bearings.
- Heavy-duty gearbox provides years of trouble-free service.
- Built-in, non-contact ice detection fail safe automatic shutoff.



ICE FORMS	
PEARL ICE	1/2 x 3/8 in.
	12.7 x 9.5 mm

BIN CHART									
Model #	B40	B42	B55	B700-30	B110	B1000-48	B1300-48	B1325-60	B1660-60
capacity	344 lbs (156 kg)	351 lbs (160 kg)	510 lbs (232 kg)	680 lbs (308 kg)	854 lbs (388 kg)	1,000 lbs (454 kg)	1,320 lbs (599 kg)	1,325 lbs (601 kg)	1,660 lbs (753 kg)
width	30 in (762 mm)	22 in (559 mm)	30 in (762 mm)	30 in (762 mm)	48 in (1,219 mm)	48 in (1,219 mm)	48 in (1,219 mm)	60 in (1,524 mm)	60 in (1,524 mm)
Kit for combining wider bins with smaller models	KBT19	KBT24	KBT19	Kit Not Required	KBT23	Kit Not Required	Kit Not Required	Kit Not Required	Kit Not Required

See Ice-O-Matic Price List for Adapter Kits to combine ice makers with most available ice/beverage dispensers.



GEM0450A90 shown atop of bin B42 (sold separately)

Warranty

- Ice Maker: **3 years parts and labor**
- Compressor: **5 years parts**

Options & Accessories

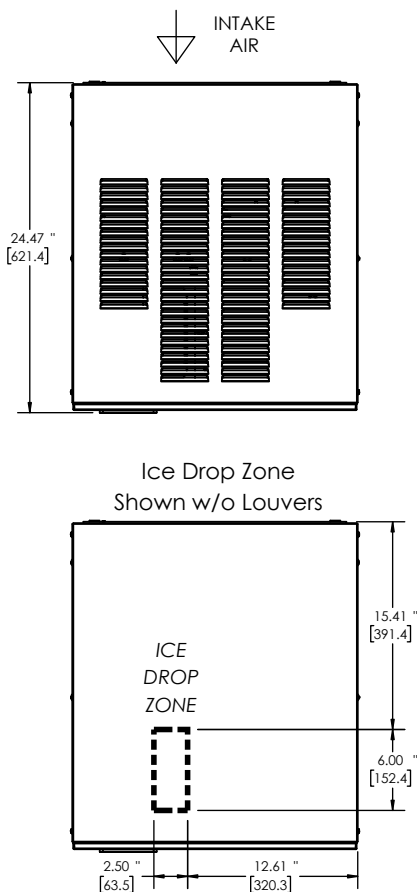
- KGEMDISPB for ice level control for a dispenser - verify adaptor with disp. manufacturer

Water Filter

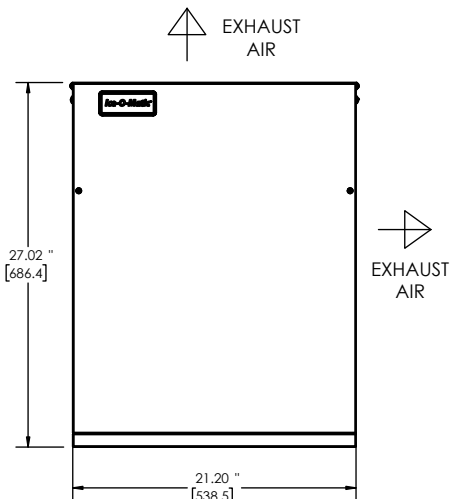
- Manifold System IFQ1 gets replacement filter IOMQ (1)

Line drawing note: Numbers with quote symbol " are in inches. Numbers enclosed in [brackets] are in millimeters.

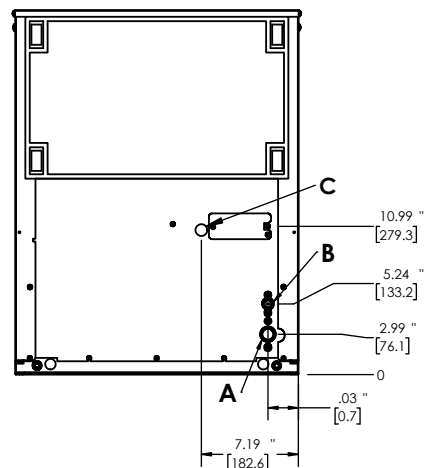
PLAN / TOP VIEW



ELEVATION / FRONT VIEW



UTILITIES / BACK VIEW



Air Cooled

- A. Ice Maker Drain, 3/4" FPT
B. Ice Maker Potable Water Inlet, 3/8" FPT
C. Electrical Connection, ϕ .875" [22.2]

SPECIFICATIONS

Model	GEM0450A90
Condensing Type	Air
Voltage/Hertz/Phase	115/60/1
Min. Circuit Amp	10.7 A
Max Breaker Size	15 A
kWH per 100 lbs of ice at 70°F air / 50°F water	2.45
kWH per 100 lbs of ice at 90°F air / 70°F water	3.7
BTU (approx per hour)	4070
Number of Wires	3 (including ground)
Refrigerant	R290A
Refrigeration Charge	120 g

Ice Production per 24 hrs	
70° air / 50° water lbs (kg)	90° air / 70° water lbs (kg)
415 (188)	304 (138)

Water Usage gallons per 100 lbs of ice 90°F air / 70°F water	
Potable	Condenser
12	N/A

OPERATING REQUIREMENTS

	MINIMUM	MAXIMUM
Ambient Temp. Range Air	50°F (10°C)	100°F (38°C)
Water Temp	40°F (4°C)	100°F (38°C)
Water Pressure	20 PSIG (1.4 BAR)	80 PSIG (5.5 BAR)

DIMENSIONS

Unit Width	21 in.	533.4 mm
Unit Depth	24 in.	609.6 mm
Unit Height	27 in.	685.8 mm

Shipping Weight	163 lbs / 74 kg
Shipping Dimensions (in.)	27 (W) x 24 (D) x 32 (H)
Shipping Dimensions (mm)	685.8 (W) x 609.6 (D) x 812.8 (H)