Rapid Freeze 4000-RL

For Remote Refrigeration Systems

COOL SOLUTIONS SINCE 1912

HOWE Proven. Best Choice.™



Model 4000-RL

Howe's versatile Rapid Freeze Flake Ice Machines set the standard for energy efficiency, water conservation and longer, trouble-free operating life. Our reliable ice flakers are engineered to deliver exceptional ice quality that keeps food cooler and fresher, longer, at reduced operating expense.

From food processing and distribution, to supermarket and retail applications, Howe has an energy-efficient Rapid Freeze solution to meet your needs.

PROVEN ENERGY EFFICIENCY

Innovative engineering, rugged construction deliver exceptional heat transfer. Requires significantly less energy per pound. Substantially lower operating/ maintenance requirements. Optimized water usage.

EXCEPTIONAL ICE QUALITY

True, 100% dry, sub-cooled flake ice contains 4 times more surface area for significantly better cooling – up to 20% longer. Drier ice draws heat away quickly and evenly. Process uses less energy with virtually zero water loss.

LONGER, TROUBLE-FREE OPERATING LIFE

Innovative evaporator design utilizes gravity for 50% lighter bearing load. Operates trouble-free outlasting 3 - 4 times longer than competitive machines. Fewer maintenance/service issues.

STANDARD PACKAGE INCLUDES:

- NEMA1 control panel
- Photo eye ice level control system
- Low water level switch
- TXV Valve (expansion valve) (for virtually any available refrigerant)
- Solenoid Valve
- EPR Valve
- Suction line heat exchanger
- TEFC drive motor

PREMIUM PACKAGE INCLUDES:

above plus:

- Low ambient kit
- NEMA4 control panel

AVAILABLE OPTIONS/ ACCESSORIES

- Clock timer
- Water filter system
- Salt dosing kit
- Ice storage bins (many options available)

MADE IN USA!

ICE CAPACITIES

AIR TEMP °F	WATER TEMP °F 50°	70°	90°
70°	4416	4064	3776
80°	4350	4008	3680
90°	4200	**3946**	3360

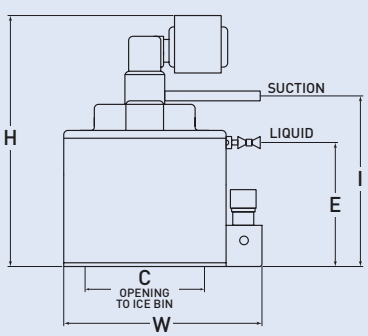
ICE QUALITY & HARDNESS

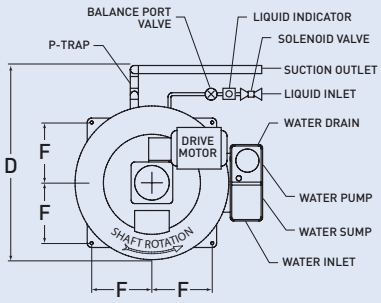
Ice of higher quality has more cooling capacity per pound than that of lesser quality ice.

ICE QUALITY %*	IHAF**	KWH/ 100 LBS
101	1.01	3.04

* Ice Quality expressed as a percentage of cooling capacity of 100% 32°F ice.
**Ice Hardness Adjustment Factor used to correct kWh/100lb for ice quality.
All data given at 90°F air / 70°F water.

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MODEL	DIMENSIONS (INCHES) C	E	F	G	I	CONNECTION SIZES (ODS) SUCTION	LIQUID	WATER
4000-RL	19	20	10-1/4	17-1/2	27-1/2	1-3/8	1/2	3/8

ICE FLAKER

MODEL	CAPACITY/ 24 HRS*	KWH/ 100 LBS*	WATER USAGE/ 100 LBS OF ICE GALS	DRIVE MOTOR 208-230/1/60 HP	FLA	WATER PUMP FLA	TOTAL APPROX. RLA	MIN. CIRCUIT AMPS	MAX. FUSE AMPS
4000-RL	3,946 LBS	3.04[1]	12.0	1/3	3.2	.75	3.95	5	15

* @ 70°/90°F (21°/32°C) based on total consumption for a split system.

[1] KWH rating is for a split system. Actual KWH for RL connected to a rack system may be less.

MODEL	DIMENSIONS IN W	D	H	SHIPPING WEIGHT LBS	WATER GPM	APPROX OPERATING CHARGE R-404A LBS	REFRIGERATION REQUIRED** BTU/HR	KCAL/HR
4000-RL	32	33	40-1/2	700	.35	15	36,000	9,070

** @ -5°F (-20.4°C) Evaporator Temperature

WARRANTY

See complete warranty for details.

- 25 year evaporator icemaking surface warranty
- 10 year ice blade warranty
- 2 year parts warranty

OPERATING PARAMETERS

	MINIMUM	OPTIMUM	MAXIMUM
AMBIENT TEMPERATURE	50°F (10°C)	90°F (32°C)	100°F (38°C)
WATER TEMPERATURE	45°F (8°C)	70°F (21°C)	90°F (32°C)
WATER PRESSURE	20 PSI	25-40 PSI	60 PSI

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