

Rapid Freeze 1000-RLER-744

For Recirculated liquid CO₂ refrigeration systems

COOL SOLUTIONS SINCE 1912

HOWE Proven. Best Choice.™

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 4x 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, 3x - 4x longer than competitive machines. Fewer maintenance/service issues.

STANDARD SUPPLIED COMPONENTS

- Pre-wired, integrated control panel
- Photo eye ice level control system
- Liquid feed control
- Solenoid Valve (shipped loose, for field installation)
- 650 PSI (45 bar) pressure rating

AVAILABLE OPTIONS/ACCESSORIES

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



1000-RLER-744 shown on CP1500 Mobile Express bin system. Storage bin system sold separately.



ICE CAPACITIES

WATER TEMP °F	
70°	
AIR TEMP °F	90°
	1003

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***
100	1.00	4.42

* Ice Quality expressed as a percentage of cooling capacity of 100% 32°F ice.

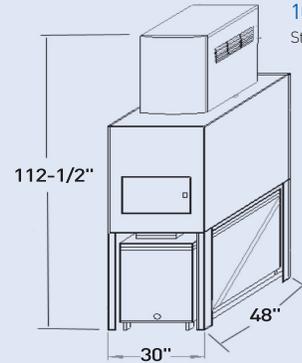
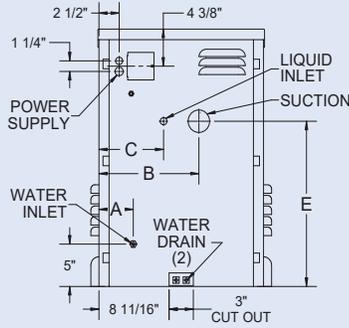
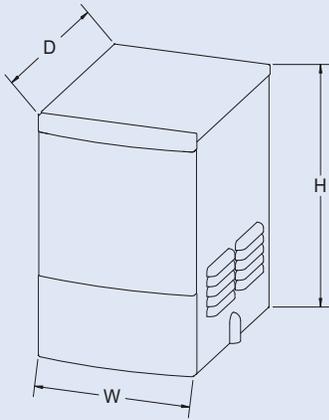
**Ice Hardness Adjustment Factor used to correct kWh/100lb for ice quality.

*** Estimated energy usage.

All data given at 90°F air / 70°F water.

1000-RLER-744

for recirculated liquid CO₂ Refrigeration Systems



1000-RLER-744 on CP1500
Storage bin system sold separately.

MODEL	DIMENSIONS (INCHES)					POWER SUPPLY	SUCTION	LIQUID	DRAIN	WATER SUPPLY
	A	B	C	E	F					
1000-RLER-744	4-1/4	12-3/16	7-11/16	19-1/2	16-1/2	1/2 K.O.	5/8 ODS	1/2 ODS	1/2 ID HOSE	3/8 COMP.

ICE FLAKER

MODEL	CAPACITY/ 24 HRS*	KWH/ 100 LBS*	WATER USAGE/ 100 LBS OF ICE GALS	DRIVE MOTOR		WATER APPROX. FLA	TOTAL CIRCUIT RLA	MIN. FUSE AMPS	MAX. AMPS
				230/1/60 HP	PUMP FLA				
1000-RLER-744	1,003 LBS	4.42	12.0	1/20	.38	.75	1.17	5	15

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

MODEL	DIMENSIONS			CM			SHIPPING WEIGHT		WATER GPM	REFRIGERATION REQUIRED**		CO ₂ FLOW RATE LB/HR
	IN W	D	H	W	D	H	LBS	KG		BTU/HR	KCAL/HR	
1000-RLER-744	21	28	30-1/2	53	71	77	295	134	.10	9,5050	2,400	150***

***Preliminary flow rate estimate

Warm water mixing valve required in low ambient, & low water temperature conditions.

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