

Modular Remote Low-Side, Split,
Air Cooled Flake Ice Machine

Rapid Freeze

2000-RLE

With Remote Condensing Unit

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

STANDARD PACKAGE INCLUDES:

- Pre-wired, integrated 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

PREMIUM PACKAGE INCLUDES:

- above plus:
- Low ambient kit

AVAILABLE OPTIONS/ACCESSORIES

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



2000-RLE shown on CP1500 Mobile Express bin system. Storage bin system sold separately.



MADE IN USA!

ICE CAPACITIES

| | WATER TEMP °F | | |
|-------------|---------------|-------------|------|
| | 50° | 70° | 90° |
| AIR TEMP °F | | | |
| 70° | 2264 | 2088 | 1912 |
| 80° | 2221 | 2056 | 1855 |
| 90° | 2152 | 1959 | 1776 |

ICE QUALITY & HARDNESS

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

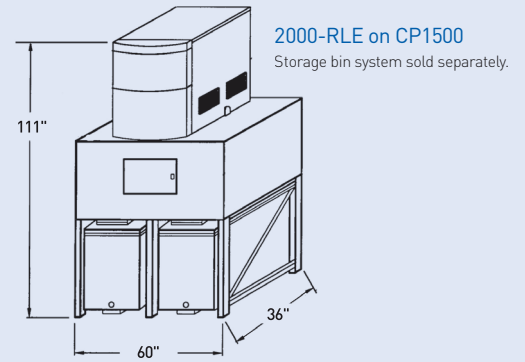
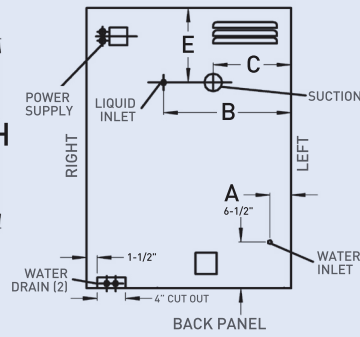
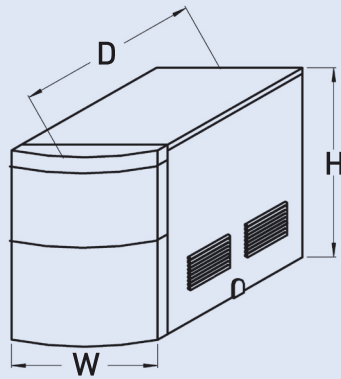
| ICE QUALITY %* | IHAF** | KWH/100 LBS |
|----------------|--------|-------------|
| 101 | 1.01 | 4.39 |

* 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.

2000-RLE

With Remote Condensing Unit



| MODEL | DIMENSIONS (INCHES) | | | | POWER SUPPLY | SUCTION | LIQUID | DRAIN | WATER SUPPLY |
|----------|---------------------|--------|--------|--------|--------------|-----------|---------|-------------|--------------|
| | A | B | C | E | | | | | |
| 2000-RLE | 3-1/2 | 18-3/8 | 11-3/8 | 14-1/2 | 1/2 K.O. | 1-1/8 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 208-230/11/60 | | WATER PUMP FLA | COMPRESSOR 230/3/60 | | COND. FAN 230/1/60 FLA | TOTAL APPROX. RLA | MIN. CIRCUIT AMPS | MAX. FUSE AMPS |
|------------|----------------------|-------------------|--|------------------------------|-----|-------------------|------------------------|-----|------------------------------|----------------------|----------------------|-------------------|
| | | | | HP | FLA | | RLA | LRA | | | | |
| 2000-RLE | 1,959 LBS | 4.39 ¹ | 12.0 | 1/3 | 3.2 | .75 | — | — | — | 3.9 | 5 | 15 |
| 2000-RLH** | 1,959 LBS | 4.39 | 12.0 | 1/3 | 3.2 | .75 | 12.2 | 88 | 2.0 | 16.8 | 20 | 30 |

* @ 70°/90°F (21°/32°C) based on total consumption for a split system. **2000-RLH is a split system consisting of model 2000-RLE remote low side flaker & LA2000-A-R404A-1, or MA2001-A-R404A-1 remote air cooled condensing unit. ¹ KWH rating is for a split system. Actual KWH for RLE connected to a rack system may be less.

| MODEL | DIMENSIONS IN | | | DIMENSIONS CM | | | SHIPPING WEIGHT | | WATER GPM | APPROX OPERATING CHARGE R-404A LBS | REFRIGERATION REQUIRED** | |
|----------|------------------|----|----|------------------|----|-----|-----------------|-----|--------------|---|-----------------------------|---------|
| | W | D | H | W | D | H | LBS | KG | | | BTU/HR | KCAL/HR |
| 2000-RLE | 29-1/2 | 34 | 40 | 75 | 86 | 102 | 475 | 227 | .17 | 7 | 17,050 | 4,300 |

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

CONDENSING UNIT

| MODEL | TYPE | REFRIG | POWER | DIMENSIONS IN | | | DIMENSIONS CM | | | ELECTRICAL DATA | | | SHIPPING WEIGHT | |
|------------------|------|--------|--------------|------------------|--------|--------|------------------|----|----|-----------------|------|-----|-----------------|-----|
| | | | | W | D | H | W | D | H | RLA | MCA | MOP | LBS | KG |
| LA2002-A-1 | AC | R-404A | 208-230/3/60 | 43-7/8 | 32-7/8 | 30-3/8 | 111 | 84 | 77 | 20.5 | 27.7 | 45 | 420 | 191 |
| MA2002-A-R404A-1 | AC | R-404A | 208-230/3/60 | 43-7/8 | 32-7/8 | 30-3/8 | 111 | 84 | 77 | 20.5 | 27.7 | 45 | 420 | 191 |

WARRANTY

See complete warranty for details.

- 25 year evaporator warranty
- 10 year ice blade warranty
- 2 year parts warranty
- 5 year compressor warranty (optional)

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 |