

Rapid Freeze

# 51-RL, 76-RL, 101-RL

Selective Purpose Ice Flaker

COOL SOLUTIONS SINCE 1912

## HOWE Proven. Best Choice.™

Rapid Freeze 51-RL, 76-RL, 101-RL ice flakers feature unexcelled quality, reliability, and long life. It is durable, energy efficient and provides a high degree of flexibility to a wide diversity of industrial applications.

**RELIABILITY** An ice machine you can always depend on. It's backed by over a half-century of innovation and proven performance.

**DURABILITY** Internal stainless steel components include: shaft, ice blade, deflector, deflector brackets, squeegee wrapper, & brackets. NO galvanized parts inside ice flaker.

### HIGH CAPACITY AND FAST RECOVERY

- Model 51 produces 10,000 lbs. ice/24 hours.
- Model 76 produces 15,000 lbs. ice/24 hours.
- Model 101 produces 20,000 lbs. ice/24 hours.

**HIGH QUALITY ICE** Super-cold, dry, crisp, 100% sub-cooled ice with greater surface area and exceptional cooling power. Draws heat away quickly and evenly for superb process cooling applications.

**FLEXIBILITY** A diversity of refrigerants, electrical options and condenser configurations are available to meet any need.

**LOW MAINTENANCE** Substantially lower maintenance requirements than most other brands of ice equipment.

**ENERGY-EFFICIENT** Requires significantly less energy per pound of ice produced than most other brands of ice equipment.

### STANDARD PACKAGE INCLUDES:

- Photo eye ice level control
- Suction to liquid heat exchanger
- EPR valve
- Low water cut out
- Ozone resistant material
- NEMA1 control panel
- ODP Drive motor

### PREMIUM PACKAGE INCLUDES:

- Includes above plus:
- Low ambient kit
  - NEMA4 control panel
  - TEFC Drive motor

### AVAILABLE OPTIONS:

- Stainless steel water sump
- SS control panel

**PATENTED BIN ICE LEVEL CONTROL SYSTEM** For maximum bin storage, infrared control turns machine off when ice level reaches chute.



101-RL shown.

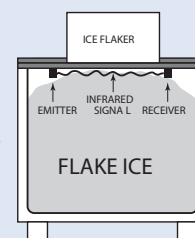


MADE IN USA!

### 100% ICE PRODUCTION/24HRS

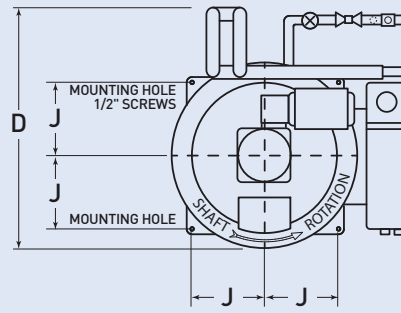
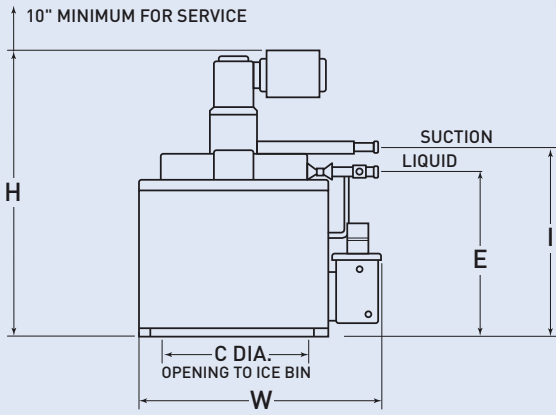
MODEL	REMOTE* LBS	KG
51-RL	10,000	4,540
76-RL	15,000	6,810
101-RL	20,000	9,080

\* All data given at 90°F [21°C] air / 70°F [21°C] water.



# 51-RL, 76-RL, 101-RL

Selective Purpose Ice Flaker



MODEL	DIMENSIONS							CONNECTION SIZES			REFRIGERATION REQUIREMENT* BTU/HR	EVAPORATOR TEMPERATURE	APPROX OPERATING CHARGE R-404A	SHIPPING WEIGHT	
	C	D	E	H	I	J	W	SUCTION	LIQUID	WATER				LBS	KG
51-RL	30	52	31	60	35¼	16¼	53½	2⅝	7/8	1/2	90,000	-5 F/-20.4 C	81	1780	808
76-RL	30	52	43½	72	47¾	16¼	53½	2⅝	7/8	1/2	135,000	-5 F/-20.4 C	123	2150	976
101-RL	30	52	51½	79	55¾	16¼	53½	2⅝	1⅝	1/2	180,000	-5 F/-20.4 C	188	2476	1124
101-2-RL	30	52	51½	79	55¾	16¼	53½	(2) 2⅝	(2) 7/8	1/2	(2) 90,000	-5 F/-20.4 C	188	2476	1124

\* @ 70°F [21°C] Water Temperature

VOLTAGE	MODEL	ICE PRODUCTION		MAKE UP WATER GPM	DRIVE MOTOR		WATER PUMP		MIN CIRCUIT APMS	MAX FUSE
		LB	KG		HP	FLA	HP	FLA		
208-230/1/60	51-RL	10,000	4,540	.85	1	6.8	1/8	1.05	15	20
	76-RL	15,000	6,810	1.25	1	6.8	1/8	1.05	15	20
	101-RL	20,000	9,080	1.65	1	6.8	1/8	1.05	15	20
460/3/60	51-RL	10,000	4,540	.85	1	1.8	1/6	.35	5	15
	76-RL	15,000	6,810	1.25	1	1.8	1/6	.35	5	15
	101-RL	20,000	9,080	1.65	1	1.8	1/6	.35	5	15
380/3/50	51-RL	10,000	4,540	.85	1	2.4	1/8	1.1	7	15
	76-RL	15,000	6,810	1.25	1	2.4	1/8	1.1	7	15
	101-RL	20,000	9,080	1.65	1	2.4	1/8	1.1	7	15
575/3/60	51-RL	10,000	4,540	.85	1	1.7	1/6	.28	7	15
	76-RL	15,000	6,810	1.25	1	1.7	1/6	.28	7	15
	101-RL	20,000	9,080	1.65	1	1.7	1/6	.28	7	15

All remote low-side ice flakers come with these standard features, suction & liquid lines pre-piped, and insulated. Liquid line has thermostatic expansion valve, solenoid valve, and liquid indicator mounted, suction line has built in p-trap at outlet connection, TXV bulb is pre-installed in correct location on suction line. Standard NEMA1 control panel is shipped loose for field installation. [Optional NEMA4 enclosure is available with NEMA4/TEFC kit] Drive motor is standard ODP (open drip proof) [TEFC motor is available with optional NEMA4/TEFC kit]. Suction accumulator is not provided with ice flaker, suction accumulator is provided with Howe furnished condensing unit. [See condensing unit spec sheets for details. Rapid Freeze ice flakers require a condensation drip pan to be fabricated and installed under flaker, but above the storage bin. Drip pan shall be constructed to prevent condensation from entering ice storage bin.

## OPERATING PARAMETERS

	MINIMUM	OPTIMUM	MAXIMUM
AMBIENT ROOM 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



**HOWE**®

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