

North Star
**MODEL 60 FLAKE ICE MAKER
SPECIFICATION SHEET**

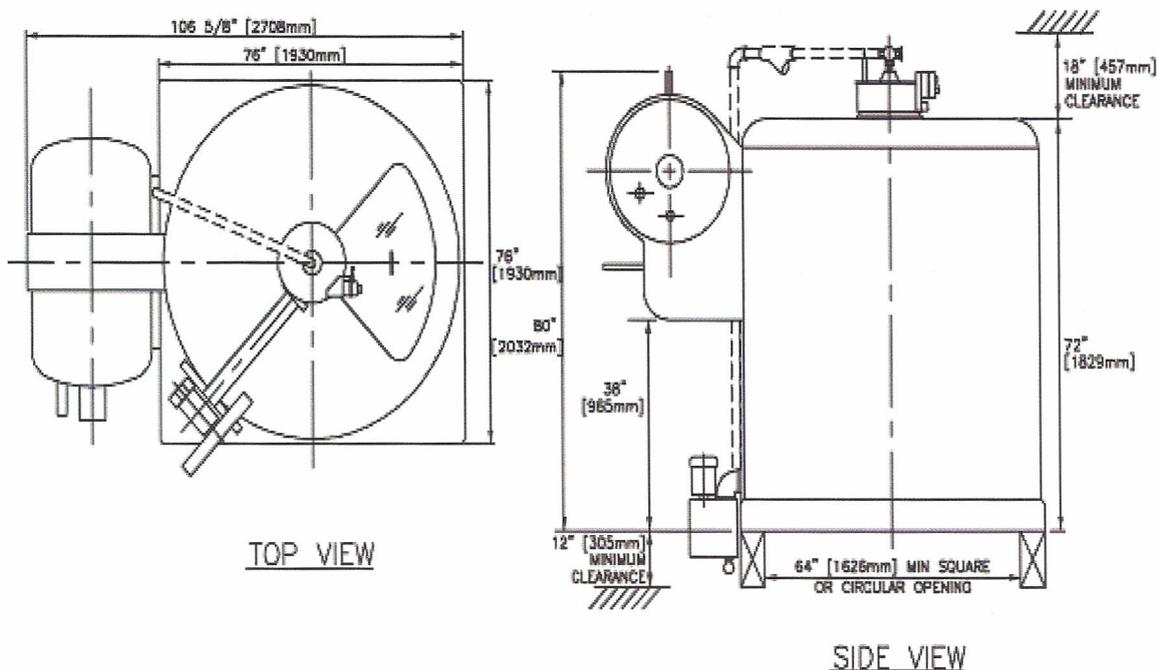


STANDARD FEATURES

- ◆ Double walled, stationary evaporator. No refrigerant seals to leak.
- ◆ Available with either a solid carbon or stainless steel freezing surface.
- ◆ Protection and safety features include mechanical load limit switch, emergency stop switch, jog switch, inspection hatch safety switch and a drive belt guard.
- ◆ Machine available for shipboard installation to produce seawater ice.
- ◆ Polyurethane insulation enclosed in molded fiberglass covers.
- ◆ Attached accumulator for complete gas- liquid refrigerant separation. (Flooded operation)
- ◆ Patented drip shield to insure complete water-ice separation.
- ◆ Stainless steel water make-up tank and ice removal tools are standard. Other stainless steel options are available.
- ◆ Economical, compact, simple to install and operate with minimal maintenance.
- ◆ LIFETIME WARRANTY on North Star evaporators and PERFORMANCE GUARANTEE.

North Star

North Star Model 60 Operating Data



WEIGHT: 8,100 lbs - 3,674 kg
VOLUME: 510 cu ft - 14.4 cu mtr
DRIVE MOTOR: 1.00 HP
PUMP MOTOR: 0.50 HP
SUCTION LINE: 4" Sch 40
LIQUID LINE: 1 1/2" Sch 80

OIL DRAIN LINE: 1/2" MPT
WATER LINE:
Tank Inlet: 1/2" FPT
Tank Drain: 1 1/4" FPT
Pump Outlet: 1 1/4" FPT
Flow Control Valve Inlet: 1 1/4" FPT

REFRIGERANT CAPACITY (Volume 8.68 Cubic Feet - .25 Cubic Meters)				REFRIGERATION REQUIREMENT (Tons of Refrigeration Per Ton of Ice)					
Freon R-134a	710 lbs (322 kg)	Freon R-404a	685 lbs (311 kg)	Water Temperature °F	40	50	60	70	80
Freon R-22	660 lbs (300 kg)	Ammonia R-717	330 lbs (150 kg)	Tons of Refrigeration	1.20	1.25	1.30	1.40	1.50

ICE MAKING CAPACITY RANGE GUIDELINE

Evaporator Temperature (°F)	+5	0	-5	-10	-15	-20	-25	-30
Stainless Steel Model	12.0 14.0	14.2 16.6	16.5 19.2	18.8 22.0	21.1 24.8	23.2 27.4	25.2 29.8	27.0 31.5
Carbon Steel Model	14.0 16.6	17.4 20.2	20.6 23.9	23.9 27.5	27.0 31.3	30.2 34.7	32.7 38.0	34.1 40.0

*Capacity based on tons (2,000 pounds) per 24 hours, 1.5 to 2.0mm ice thickness, 60°F make-up water, and oil-free ammonia refrigerant. For other operating conditions and specific capacities, refer to our capacity curves or visit the Ice Maker Selection Tool on our web site at www.northstarice.com. Capacities in *italics* are 2.0mm ice thickness.

WATER REQUIREMENT: 0.167 GPM PER TON OF ICE PER 24 HOURS

THERE'S ONLY ONE NORTH STAR