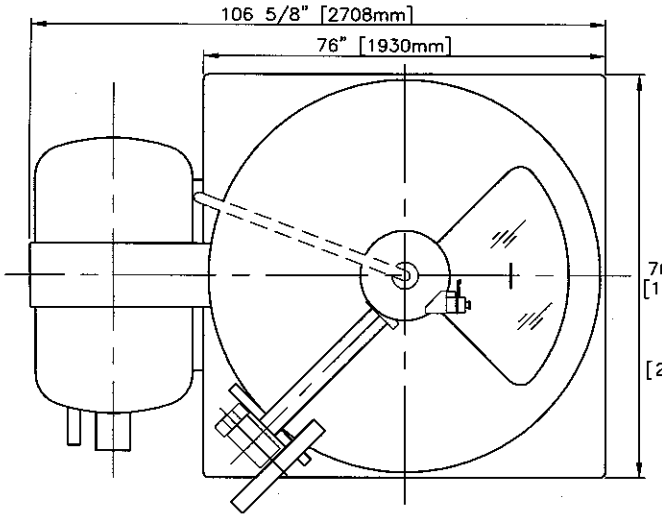
MODEL 60 FLAKE ICE MAKER SPECIFICATION SHEET

STANDARD FEATURES

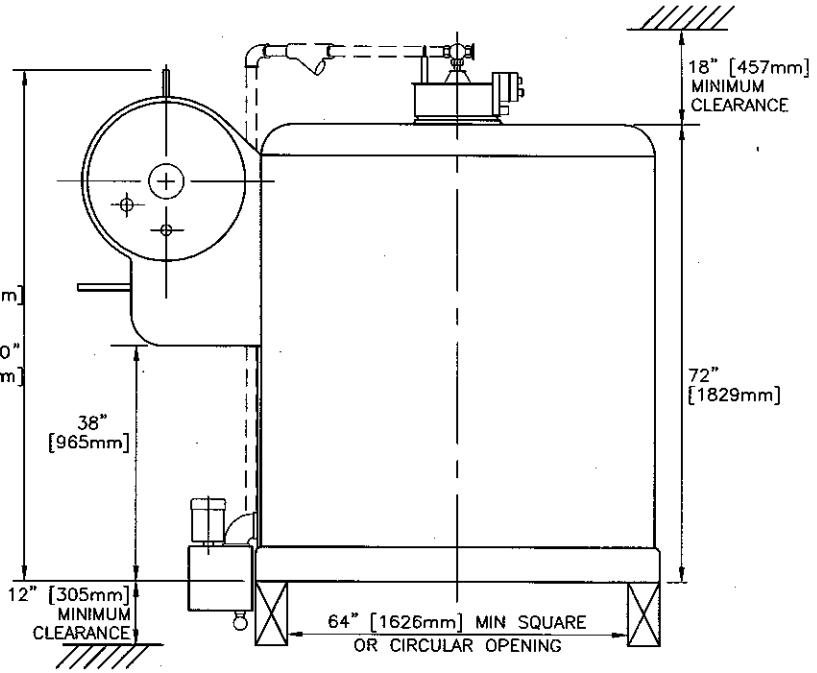
- Double walled, stationary evaporator. No refrigerant seals to leak.
- Available with either a solid carbon or stainless steel freezing surface.
- Protection and safety features include mechanical load limit switch, emergency stop switch, jog switch, inspection hatch safety switch and a drive belt guard.
- Machine available for shipboard installation to produce seawater ice.
- Polyurethane insulation enclosed in molded fiberglass covers.
- Attached accumulator for complete gas-liquid refrigerant separation.
- 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 available.
- Economical, compact, simple to install and operate with minimal maintenance.
- LIFETIME WARRANTY on North Star Evaporator and PERFORMANCE GUARANTEE.

North Star

North Star Ice Equipment Corporation
P.O. Box 80227 • 8151 Occidental Ave. S.
Seattle, WA 98108-0227 USA
Telephone: (206)-763-7300
Toll-free in USA: 1-800-321-1381
Fax: (206) 763-7323
E-mail: info@northstarice.com
Web Site: www.northstarice.com



TOP VIEW



SIDE VIEW

REFRIGERANT CONTROL:

SPORLAN LEVELMASTER OR THERMAL DIFFERENTIAL SENSOR (TDS)

OPERATING DATA – MODEL 60

WEIGHT:	8,100 lbs – 3674 kg	OIL DRAIN LINE:	1/2" M.P.T.
VOLUME:	510 cu ft – 14.4 cu mtr	WATER LINE:	
DRIVE MOTOR:	1.0 H.P.	TANK INLET:	1/2" F.P.T.
PUMP MOTOR:	0.5 H.P.	TANK DRAIN:	1 1/4" F.P.T.
SUCTION LINE:	4" SCH. 40	PUMP OUTLET:	1 1/4" F.P.T.
LIQUID LINE:	1 1/2" SCH. 80	FLOW CONTROL VALVE INLET:	1 1/4" F.P.T.

REFRIGERANT CAPACITY
(VOLUME 8.68 CUBIC FEET – .25 CUBIC METER)

FREON 12:	710 POUNDS (322 KILOGRAMS)	FREON 502:	685 POUNDS (311 KILOGRAMS)
FREON 22:	660 POUNDS (300 KILOGRAMS)	AMMONIA:	330 POUNDS (150 KILOGRAMS)

REFRIGERATION REQUIREMENT
(TONS OF REFRIGERATION PER TON OF ICE)

WATER TEMPERATURE – °F	40	50	60	70	80
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 (2000 POUNDS) PER 24 HOURS, 1.5 TO 2.0 MM ICE THICKNESS, 60°F MAKE-UP WATER, AND OIL-FREE AMMONIA REFRIGERANT. FOR OTHER OPERATING CONDITIONS AND SPECIFIC CAPACITY, REFER TO OUR CAPACITY GUIDANCE CURVES. *CAPACITIES IN ITALICS 2.0 MM ICE THICKNESS.*

WATER REQUIREMENT: 0.167 G.P.M. PER TON OF ICE PER 24 HOURS.

THERE'S ONLY ONE NORTH STAR