



Modular Air, Water, Remote Cooled Nugget Ice Machine

ITEM NO.

NME650

C.S.I. File No. 11400



NME650 shown on BH800 bin

The NME650 represents Scotsman's commitment to R-404A Refrigerant (DuPont SUVA® HP62) as the sensible, permanent solution to the refrigerant issue.

LONG SERVICE LIFE

- Evaporator, auger and breaker are all fabricated from durable stainless steel.
- Innovative "Interrupted Flight" auger design minimizes bearing loads.
- New gearmotor design includes heavy duty ball bearings.
- Large spherical top roller bearing self aligns, reducing bearing wear.

ENHANCED RELIABILITY

- Advanced electronics eliminate mechanical switches and sensors.
- Electronic water level control prevents problems associated with water pressure fluctuations.
- Continuous length evaporator refrigerant tubing eliminates potential refrigerant leaks.

IMPROVED EFFICIENCY

- Photoelectric eye bin control allows maximum storage in bin.
- Continuous ice making, no hot gas cycle, no water dump.
- Lower KWH usage per 100 lbs. of ice than cubers.

LOWER SERVICE COSTS

- Most major components are accessible from the machine front. Less repair time equals less repair costs.
- Installation is made easy by placing all utility connections on back panel, accepting standard plumbing fittings.
- System design minimizes cost of component failure.

VERSATILITY

- Fits a variety of Scotsman Ice Storage Bins – the modular design allows the user to choose the right bin for their needs.

REMOTE CONDENSER

Heat removed during icemaking is carried to the remote condenser directly by refrigerant. There the heat is transferred to the outdoor air, and the refrigerant returns to the icemaker.

- Fan motor operates from icemaker electrical supply.
- Choice of 25 foot or 40 foot precharged refrigerant line with easy to install quick connect couplings.

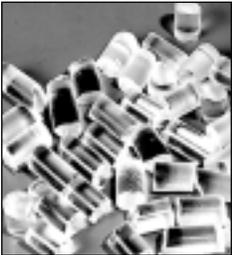
ENVIRONMENTALLY RESPONSIBLE

- HFC R-404A (HP-62) refrigerant.
- Non-CFC foam insulation.

WARRANTY PROTECTION

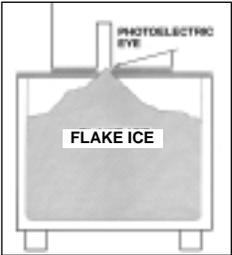
See Dealer for details of Limited Warranty.

- 24 Month Factory Labor.
- 24 Months on all parts.
- 5 Years on Compressor.
- Directory of Certified Dealer Service.



FLAKE ICE

Versatile, inexpensive to produce, used in salad bars, produce and fish displays.



PHOTOELECTRIC EYE

For maximum bin storage, photoelectric eye turns machine off when ice level reaches chute.



TOP BEARING

Extra large top bearing attached to auger and breaker reduces bearing wear.

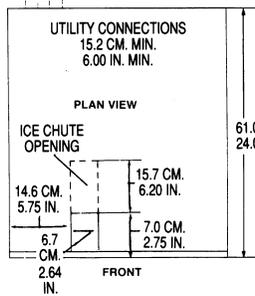
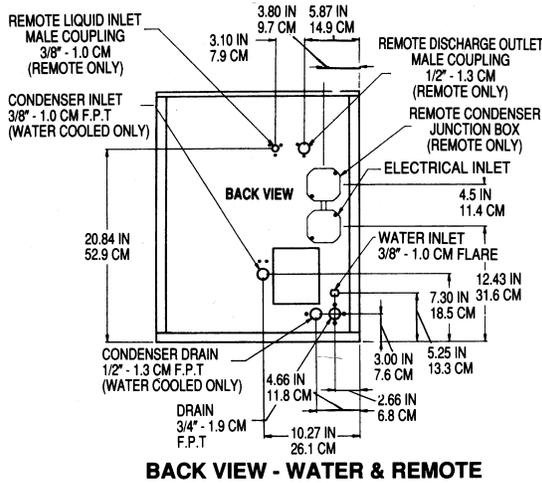
This product qualifies for the following listings:



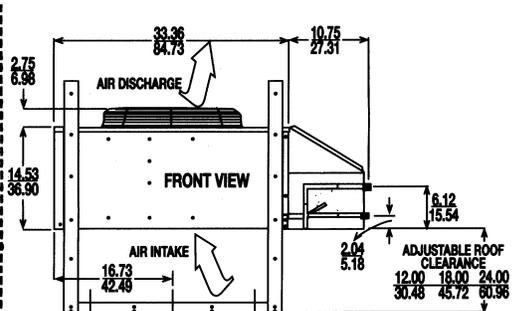
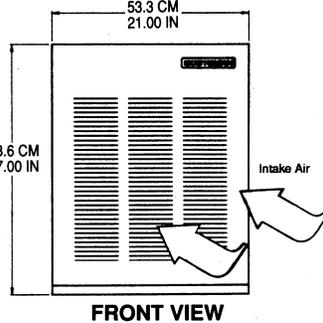
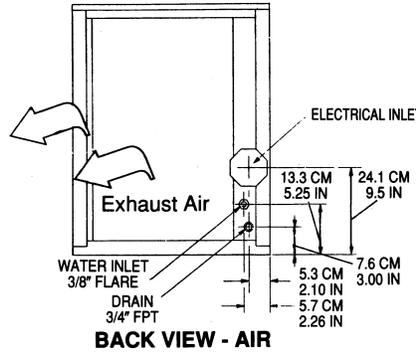
Consultant/Contractor Approval

NME650

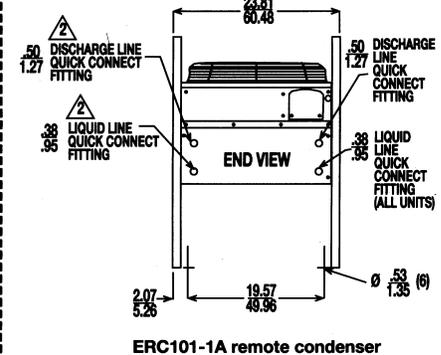
MODULAR AIR, WATER, REMOTE COOLED NUGGET ICE MACHINE



INSTALLATION NOTE:
Allow 6" minimum space at back for ventilation and utility connections.



DUAL CIRCUIT CONNECTIONS ARE FOR ERC302-32A AND ERC402-32A ONLY



ERC101-1A remote condenser

All models: Dimensions: W x D x H Unit: 21" x 24" x 27" Shipping Carton: 28" x 25" x 32"

Model	Cond. Unit	Ice Prod. Lbs./24 hrs.*	70° Air 90° Water 70°	Finish **	Ship Wt. lbs./kg.	Basic Electrical Volts/Hz/Phase	Comp HP	No. of Wires	Min. Circuit Ampacity***	Max. Fuse Size or HACR Circuit Breaker	Power KWH/100 lbs. 90°/70° 70°/50°F	Water Usage* Gallons/100 lbs. Potable 90°/70° 70°/50° Condenser 90°/70° 70°/50°F
NME650AE-1A	Air	700	520	EG	205/93	115/60/1	3/4	2	19.5	30	5.3 4.8	12 12 — —
NME650WE-1A	Water	745	605	EG	200/91	115/60/1	3/4	2	18.3	30	4.1 3.6	12 12 88.4 42.4
NME650RE-1A	R-Air	615	560	EG	220/100	115/60/1	3/4	2	22.5	30	NA NA	12 12 — —

REMOTE CONDENSER FOR USE WITH 1 NME650R - Dimensions: W x D x H Unit: 22" x 37 1/2" x 27 3/4" Shipping Carton: 23" x 42" x 23"

ERC101-1A	Air	—	—	Galv.	95/43	115/60/1	—	2	6.0†	15	—	—
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* Typical ice production in lbs./kg. of ice per 24 hours at 70° air and 50° water.
 ** (EG) Grey, leathergrain embossed steel with high gloss baked enamel finish.
 *** Use this value to determine minimum wire size as per National Electric Code Standards.
 † This value is included in main ampacity for ice machine.

OPTIONAL PRE-CHARGED REFRIGERANT TUBE KITS:

RTE25: 25 foot pre-charged tubing with connectors — R-404A (HP62)

RTE40: 40 foot pre-charged tubing with connectors — R-404A (HP62)

OPTIONAL STORAGE BINS: HTB555 or BH550 with KBT14 bin top, BH800 with KBT15 bin top, BH900 with KBT24 bin top (use KBT25 for 2 units side by side on BH900), and B90 and extensions with KBT18 bin top. BH900, BH800, and B90 allow two units side by side.

OPTIONAL STAINLESS STEEL PANEL KIT: SPKFM21: Contains top, front, two end and service panels. Not factory installed.

IMPORTANT OPERATING REQUIREMENTS:

Machine requires voltage indicated on rating name plate. Failures caused by improper voltage are not considered factory defects.

Scotsman products are not designed for outdoor installation nor for installation where air temperatures fall below 50° F, nor exceed 100° F; nor where water temperatures fall below 40° F, or exceed 100° F. Extended periods of operation at temperatures exceeding these limitations constitutes misuse under the terms of Scotsman Manufacturer's Limited Warranty, resulting in a loss of warranty coverage.

TYPICAL ICE MAKING CAPACITY PER 24 HOURS

NME650A AIR-COOLED WATER TEMPERATURE

AIR TEMPERATURE	WATER TEMPERATURE			
	50° 10°	70° 21°	90° 32°	lbs. kg.
70° 21°	700 318	620 281	565 256	lbs. kg.
90° 32°	595 270	520 236	465 211	lbs. kg.
100° 38°	530 240	470 213	430 195	lbs. kg.

NME650W WATER-COOLED WATER TEMPERATURE

AIR TEMPERATURE	WATER TEMPERATURE			
	50° 10°	70° 21°	90° 32°	lbs. kg.
70° 21°	745 338	610 277	525 238	lbs. kg.
90° 32°	725 329	605 274	520 236	lbs. kg.
100° 38°	705 320	600 272	505 229	lbs. kg.

NME650R REMOTE COOLED

	AMBIENT TEMPERATURE			ICE PRODUCTION
	COND. AIR	INDOOR	WATER	
LOW TEMPERATURE	F° 0 C° -17.8	70 21.1	55 12.8	615 LBS. 279 KG.
NORMAL TEMPERATURE	F° 90 C° 32.2	90 32.2	70 21.1	560 LBS. 254 KG.
HIGH TEMPERATURE	F° 110 C° 49.3	90 32.2	80 26.7	480 LBS. 218 KG.

Capacities represent typical production, variances of ±5% are normal.

SCOTSMAN
Ice Systems The World Relies On.™

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We reserve the right to make product improvements at any time. Specifications and design are subject to change without notice. Scotsman ice systems include a full line of ice shapes, modular and self-storing cubers, flakers, drink dispensers, bins and accessories.