SCOTSMAN®

Automatic Air and Water Cooled Nugget Ice Maker/Dispenser

ITEM NO.

NDE550

C.S.I. File No. 11400

The NDE550 represents a totally new concept in the manufacture of the already popular Scotsman Nugget Ice – new components – from design to materials.

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 most mechanical switches and sensors
- Electronic water level sensor 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 icemaking, no hot gas cycle, no water dump.
- Lower KWH usage per 100 lbs. of ice than cubers.

NON-BRIDGING NUGGETS – EASY SERVING
- Jam-free dispensing.
- Nuggets stay separated without clustering.
- Provide maximum liquid displacement.
- Most effective ice form for carbonated beverages.

FLEXIBILITY – MORE CONVENIENCE
- Cleanable A.B.S. sink and stainless steel splash panel.
- Foam insulated 26-pound capacity roto cast bin.
- Mounts on counter, wall or on DMS21B machine stand.
- Easy front service access.
- Easy to install – utilities are connected at the backside.

ENVIRONMENTALLY RESPONSIBLE
- HFC R404a (HP-62) refrigerant.
- Non-CFC foam.

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.

NUGGET ICE
Versatile, inexpensive to produce, used in carbonated beverages and salad bars.

SOFT DRINK DISPENSING
KV5H-30 electric valve kit and a remote carbonation system easily convert the NDE550 into a high profit drink center. (Remote cooling system required)

This product qualifies for the following listings:

UL NSF CSA

SCOTSMAN®
Ice Systems The World Relies On.™

Consultant/Contractor Approval

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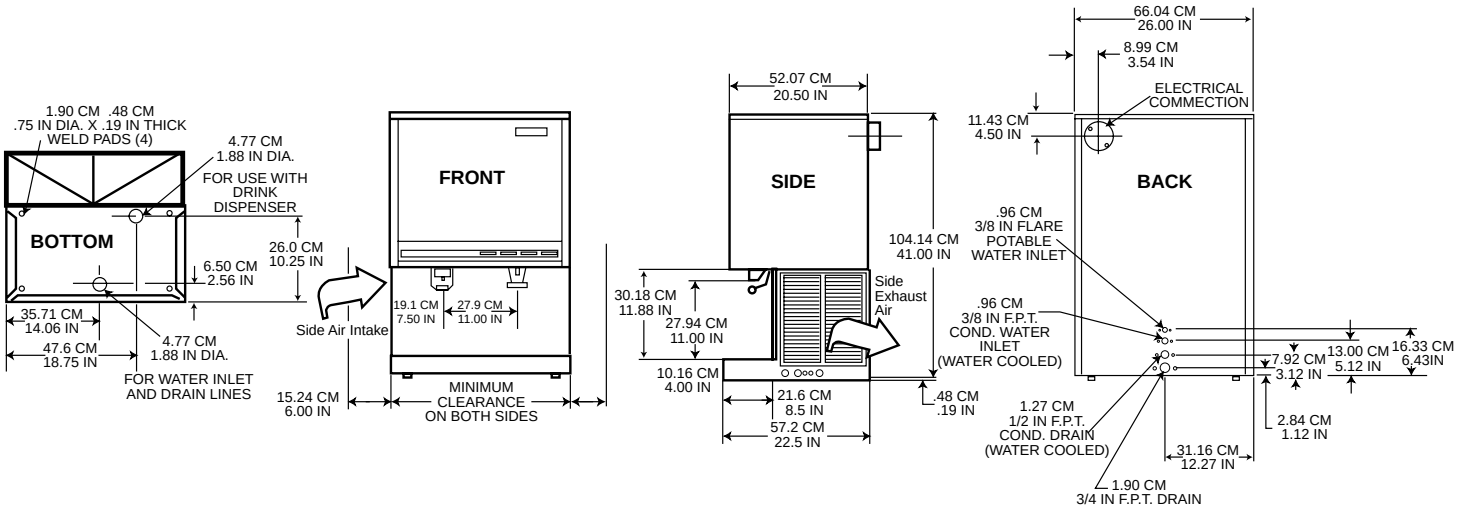
NDE550 AUTOMATIC AIR AND WATER COOLED NUGGET ICE MAKER/DISPENSER



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

All models: **Dimensions: W x D x H** **Unit: 26″ x 22 1/2″ x 41″** **Shipping Carton: 30″ x 24″ x 46″**

Model	Cond. Unit	Ice Prod. Lbs./24 hrs. 70° Air 50° Water 90°		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°F/50°F	Water Usage* Gallons/100 lbs. Potable 90°/70°	70°F/50°F	Condenser 90°/70°	70°F/50°F	Bin Cap. lbs./kg.
NDE550AE-1A	Air	535	410	EG	265/120	115/60/1	1/2	2	19.3	25	5.4	4.1	12	12	—	—	26/12
NDE550AS-1A	Air	535	410	SS	265/120	115/60/1	1/2	2	19.3	25	5.4	4.1	12	12	—	—	26/12
NDE550WE-1A	Water	525	455	EG	265/120	115/60/1	1/2	2	17.8	20	4.0	3.4	12	12	97.0	46.8	26/12
NDE550WS-1A	Water	525	455	SS	265/120	115/60/1	1/2	2	17.8	20	4.0	3.4	12	12	97.0	46.8	26/12

* Typical ice production in lbs./kg. of ice per 24 hours at 70° air and 55° water.
** EG = Grey, leathergrain embossed steel with high gloss baked enamel finish.
SS = Stainless Steel.
† Use this value to determine minimum wire size as per National Electric Code Standards.

ICE MAKING CAPACITY PER 24 HOURS

NDE550A AIR-COOLED WATER TEMPERATURE

AIR TEMPERATURE F° C°	50° 10°	70° 21°	90° 32°	
70° 21°	535 243	500 227	455 207	lbs. kg.
90° 32°	435 197	410 186	370 168	lbs. kg.
100° 38°	390 177	365 166	335 152	lbs. kg.

NDE550W WATER-COOLED WATER TEMPERATURE

AIR TEMPERATURE F° C°	50° 10°	70° 21°	90° 32°	
70° 21°	525 238	460 209	410 186	lbs. kg.
90° 32°	510 231	455 206	400 181	lbs. kg.
100° 38°	505 229	450 204	400 181	lbs. kg.

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

ICE VENDING CAPACITY

Variable Vends: From 1 to 4 oz. (approx. 2 to 8 oz. by volume).

PEAK VENDS PER HOUR

	Bin Cap. lbs.	1-Hr. Recovery Cap.* lbs.	Number of Vends per Hour From Full Bin + Recovery 1 oz. Vends	2 oz. Vends	3 oz. Vends	4 oz. Vends
NDE550A	26	22	400 + 350	200 + 175	130 + 115	100 + 85
NDE550W	26	22	400 + 350	200 + 175	130 + 115	100 + 85

*Ice production based on 70° air and 50° water.

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.

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OPTIONAL EQUIPMENT:

KPC6/550 - Portion control kit. Adds adjustable dispense rate from continuous flow down to 1 second for each actuation.

KSP1 - Splash panel kit to be used when the NDE550 is installed above a permanent sink and the sink assembly is not used.

KV5H-30A - Post-mix soft drink dispensing system for use with remote carbonation systems. Four electric valves dispense 4 soft drinks plus carbonated and non-carbonated water. Two single lever valves provide carbonated drink. One double lever valve provides 1 carbonated drink and or carbonated water. One double lever valve provides 1 sweet water drink and or sweet water.

DMS21B - Machine stand for NDE550. Width: 26″. Depth 21 1/2″. Height: 36″ with 6″ legs. Available in grey enamel finish or stainless steel.

KWB3 - Wall mounting kit.

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 installations nor for installation where air temperatures fall below 50° F, or 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.

NDE SERIES NUGGET ICEMAKER/DISPENSER

Model _____nugget icemaker manufactured by Scotsman Ice Systems. Production capacity to be _____ at 90°F air temperature and 70°F water temperature. Ice storage bin capacity to be _____. Icemaker to have a_____ (air or water) cooled condenser. Ice form to be cylindrical compressed flake ice 3/8″ in diameter of random length up to 1/2″. To have factory installed photoelectric eye bin level control to automatically start and stop icemaker. Evaporator and auger to be constructed of stainless steel. Exterior cabinet to be _____ (baked enamel grey leathergrain or 304 series stainless steel) finish. Icemaker to be UL, CSA, and NSF listed.

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