

# NEO® 310 Undercounter Ice Machines

## Models

- URF-0310A       UDF-0310W       UYF-0310W
- UDF-0310A       UYF-0310A



U-310

- Up to 295 lbs (134 kg) of daily ice production
  - 30" (76.20 cm) wide, 28.50" (72.4 cm) deep, and 38.50" (97.8 cm) high on 6" (15.24 cm) legs
  - Cabinet volume 3.99 ft<sup>3</sup> (0.113 m<sup>3</sup>)
  - 119 lb. (54 Kg) ice storage capacity\*
- \* Application capacity based on: 90% volume x 33lbs/ft<sup>3</sup> average density of ice.

NEO undercounter ice machines are designed to provide ice right where you need it – within reach. Improvements in **Performance, Intelligence and Convenience** make your ice machine easy to own and less expensive to operate.

**Performance** – NEO produces more ice than ever before while using less water and energy. The storage bin provides industry leading capacity.

**Intelligence** – NEO provides feedback with full bin and service indicators. Delay function allows you to pause your machine for slow periods or days when you're closed.

**Convenience** – NEO offers a forward-sliding storage bin for easy access to refrigeration components without having to move the entire ice machine. Smooth, sealed food-zone with removable water trough, distribution tube, and damper door for faster cleaning. AlphaSan added to key internal components.

Available **LuminIce® Growth Inhibitor** extends cleaning intervals by reducing yeast and bacteria growth keeping your ice machine cleaner, longer.

## Specifications

**BTU Per Hour:**  
4,600 (average)  
5,450 (peak)

**Compressor:**  
Nominal rating: .75 HP

**Cupra-Nickel Condenser:**  
(Water-cooled models)  
Adds protection from corrosive water elements.

- Operating Limits:**
- Ambient Temperature Range: 40° to 110°F (4.4° to 43.3°C)
  - Water Temperature Range: 45° to 90°F (4.4° to 32.2°C)
  - Water Pressure Ice Maker Water In: Min. 20 psi (137.9 kPa) Max. 80 psi (551.1 kPa)
  - Condenser Inlet Water In: (Water-cooled only) Min. 20 psi (137.9 kPa) Max. 150 psi (1,034.2 kPa)



## Ice Shape



**Half Dice**  
3/8" x 1 1/8" x 7/8"  
(.95 x 2.86 x 2.22 cm)



**Dice**  
7/8" x 7/8" x 7/8"  
(2.22 x 2.22 x 2.22 cm)



**Regular**  
1 1/8" x 1 1/8" x 7/8"  
(2.86 x 2.86 x 2.22 cm)

## Ice Machine Electric

115/60/1. (208-230/60/1 and 230/50/1 available.) 115/60/1 ice machines are factory pre-wired with a 6' (180 cm) power cord and NEMA 5-15P-plug configuration. 208-230/60/1 ice machines are factory pre-wired with a 6' (180 cm) power cord only, no plug is supplied.

**Total Amps:**  
115/60/1 Air-cooled and Water-cooled: 10 amps  
208-230/60/1 Air-cooled: 4.5 amps

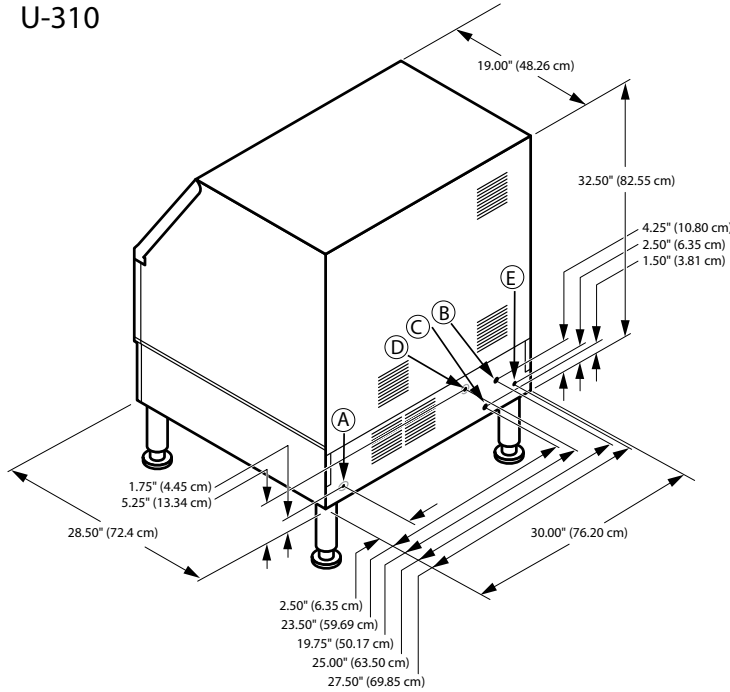
**Maximum fuse size:**  
Air and Water-cooled: 15 amps  
HACR-type circuit breakers can be used in place of fuses.



COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001:2008 =



**U-310**



**Installation Note** Recommended clearance for top, sides, and back is 5" (12.7 cm) however, there is no minimum clearance required.

- Ⓐ Electrical Entrance
- Ⓑ 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- Ⓒ 1/2" (1.27 cm) F.P.T. Minimum Water Condenser Outlet (water-cooled units)
- Ⓓ 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)
- Ⓔ 1/2" (1.27 cm) F.P.T. Ice Bin Drain

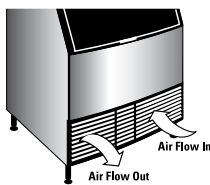
**Specifications**

| Model     | Ice Shape | Ice Production 24 Hours                |        |                                        |        | Power kWh/<br>100 lbs.<br>@ 90°/70°F<br>32°/21°C | Potable water usage<br>gal/100 lbs. ice<br>@90/70°F |
|-----------|-----------|----------------------------------------|--------|----------------------------------------|--------|--------------------------------------------------|-----------------------------------------------------|
|           |           | 70°Air/50°F Water<br>21°Air/10°C Water |        | 90°Air/70°F Water<br>32°Air/21°C Water |        |                                                  |                                                     |
| URF-0310A | regular   | 278 lbs                                | 126 kg | 221 lbs                                | 100 kg | 7                                                | 15.5                                                |
| UDF-0310A | dice      | 286 lbs                                | 130 kg | 233 lbs                                | 106 kg | 7                                                | 15.5                                                |
| UDF-0310W | dice      | 295 lbs                                | 134 kg | 252 lbs                                | 114 kg | 5.6                                              | 15.5                                                |
| UYF-0310A | half-dice | 290 lbs                                | 132 kg | 235 lbs                                | 107 kg | 7.2                                              | 15.5                                                |
| UYF-0310W | half-dice | 293 lbs                                | 133 kg | 267 lbs                                | 121 kg | 5.5                                              | 15.5                                                |

Water-cooled condensers Water Usage / 100 lbs/45.4 kgs. of Ice: 183 gal./693 liters

Standard 6" / 15.24 cm adjustable flange foot - gray painted legs included.  
Standard plastic NEO ice scoop included.

**Air Flow**



Air in right, air out left, no side vents. Great for installation under countertops and next to other equipment.

**Removable Bin**



**Air Filter**



Simple, tool-free removal for quick access during routine cleaning and maintenance.