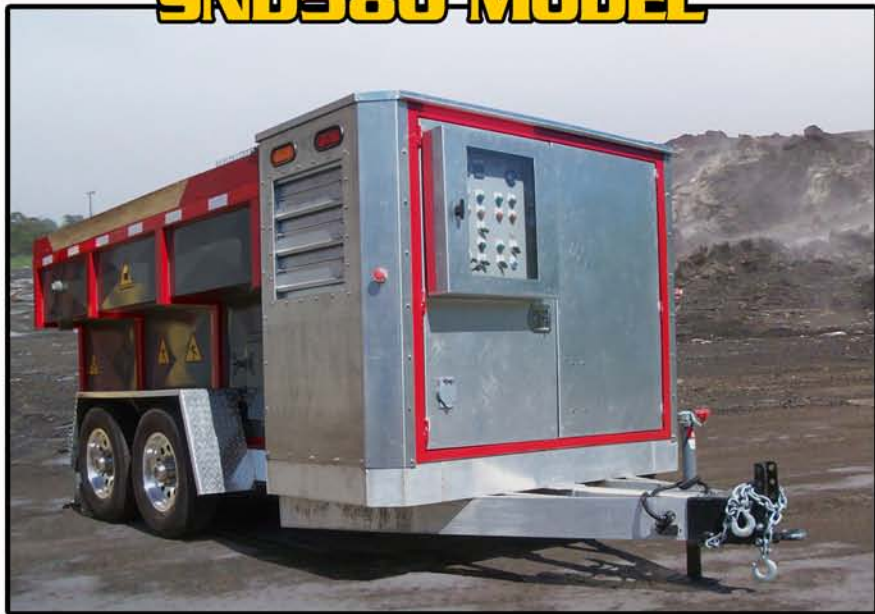




SND580-MODEL



The Snow Dragon SND580 is designed specifically for snowmelting on the top deck of parking garages.

Snow Dragon can customize this melter to accommodate your application. If you find our parking deck has strict restrictions on weight or height, please contact to discuss additional options.

The SND580 is a 5.8 million BTU/hr machine rated at melting 18 tons/hour - Based on the Latent Heat of Ice. Since every manufacturer uses a different ton rating calculation, you must compare snowmelters by their BTU's. In comparison, this model is larger than 20 Ton/hr snowmelters being marketed in the industry.

With more maneuverability than ever, this dual axle snowmelter is low enough to fit inside parking areas (6'2") while at the same time is light enough to be used on the top deck of a parking structure (10,200 lbs gross operating weight with water and filled with fuel and 6,500 lbs empty). This allows the snowmelter to be towed by a properly equipped Ford 250 Superduty or Dodge Ram 2500 or higher. This model also includes a removable clean out basket that allows you to clean larger debris from the melter without emptying any water from the snowmelter - saving you time and money!

The SND580 has been engineered to be a low maintenance, easily operated, extremely mobile unit. The operating enclosure protects the burner, generator, water pump system and other major components from harsh winter elements. Also, the control panel is fabricated into the door so it can be easily accessed from the outside. Easy access side loading from both sides, one-man operation capability, easy operation, plug and play components, quiet operation, many off the shelf parts, and visual and audible alarm indication are just a few other features with all Snow Dragon Snowmelters.



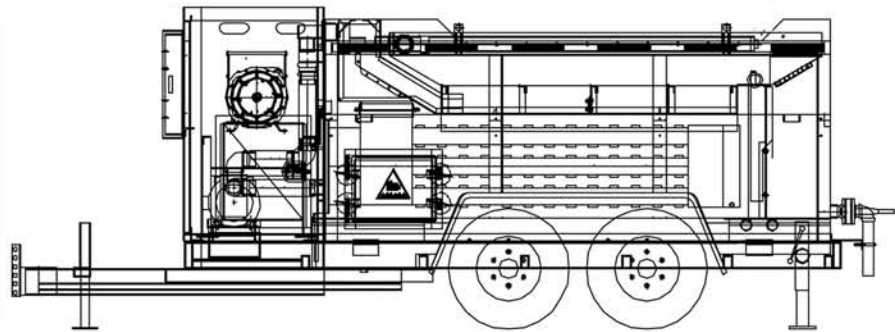
When looking at your snow removal process, Snow Dragon Snowmelters can offer up to 50% savings on your overall cost compared to hauling. Melting snow on-site has become more attractive to many due to the variable costs associated with hauling and dumping snow, increasing gas costs, scarcity of dump sites, and environmental issues with hauling.

Call today to learn how Snow Dragon offers you better tools for managing your snow removal process or ask us for a personalized snowmelting study!





SNDS580 DATA SHEET



SPECIFICATIONS:

Melting Capacity:

18 Tons/hr
(75 - 175 Cubic yds/hr)*

Outside Ambient Temp: 32°F (0°C)

Burner Output:

5,800,000 BTU/hr

Fuel Type:

#2 Diesel. Will run on #1 Diesel and Jet "A" fuel. Natural Gas or Propane if Stationary

Fuel Usage:

30 - 40 US Gallons/hr (113 - 151 ltrs)

Fuel Capacity:

200 US Gallons (757 ltrs)

Water Discharge Rate:

Approx 70 Gallons/min (265 ltrs)

Water Discharge Temp:

35°-60°F (1.6°C-15°C)

Water Tank Capacity (up to):

330 US Gallons (1249 ltrs)

Weight with Fuel (full) & Water:

Approx 10,200 lbs (4626 kgs)
Wheel Weight: 8,600 lbs (3855 kgs)
Tongue Weight: 1,600 lbs (725 kgs)

Weight empty:

Approx 6,500 lbs (2948kgs)
Wheel Weight: 4,230 lbs (1918 kgs)
Tongue Weight: 1,660 (752 kgs)

Dual Snow Loading Access:

Approx 6'3" wide x 6' high

Measurements (approx):

16' long x 6'3" wide x 6'2" high
(4.8m x 1.9m x 1.88m)

Towing Speed Empty:

65 MPH (104 km/h)

Towing Speed with Fuel:

55 MPH (88 km/h)

Towing Speed with Fuel & Water:

50 MPH (80 km/h)

* Shown as approximation, cubic yards based on snow density. Altitude de-rate starts at 1000' elevation.

The equipment specifications shown below are for the standard SND580 mobile snowmelter. This model can also be fabricated as a stationary unit with abilities for direct power and fuel hook up. As a manufacturing and engineering firm, we customize options to your specifications. Please contact your local distributor or SND Sales for additional information.

SNDS580 SNOWMELTER STANDARD EQUIPMENT:

- Built and designed to comply with National Electric Code (NEC) and National Fire Protection Association (NFPA).
- Automatic ignition diesel fired 5,800,000 btu/hr packaged burner.
- Patented (#7,814,898) engineered heat exchanger tubes.
- Melter designed for #2 Diesel. Will run on #1 Diesel and Jet "A" fuel (additive needed). Natural Gas and Propane can be used if snowmelter is stationary.
- 200 US Gallon Fuel Tank (757 liters), approx 5 hours of fuel operation time.
- Concentrated Debris Collection area in rear of melter.
- Optional removable debris basket available.
- Standard gauge mild steel melting hopper and melting pan with structural steel supports.
- Snow loading access on both sides, each approx 6' wide x 6' high (1.8m x 1.8m).
- Operating enclosure with lockable access door protecting equipment including burner, water pump spray system, and generator from weather elements.
- Quiet operation.
- Removable Debris Basket for removal of larger debris without emptying water.
- Three (3) side hinge clean out doors for easy cleaning.
- Dual-axle trailer with electric brakes, turn signals, marker lights with pintal hook for towing arrangements.
- Removable wood rail guards positioned to prevent damage to loading sides.
- Self contained diesel fired 20KW generator, located inside the enclosure.
- Generator battery charger.
- Auxiliary power plug is wired to power the battery charger, generator block heater, and control panel heater.
- NEMA 4/12 main control panel with temperature controller, visual and audible alarm indication, pilot controls, indicators, gauges, relays and terminals.
- Control Panel accessible from outside of melter.
- Key switch to engage battery power.
- Emergency shut down buttons located on both sides of the melter.
- One (1) Water Recirculating Pump and two (2) high pressure spray bars around the inside of the hopper to circulate and spray warm water onto loaded snow.

OPTIONS:

- Stainless Steel Melt Pan & Hopper.
- Battery Access Door.
- Custom Painting and/or Decals.
- Drain Hose & Quick Disconnects.
- Long Term Service Contract.