



## SND900 MODEL



The Snow Dragon SND900 Model is designed for use at strip malls, schools, stadium fields and parking lots. It's the ideal configuration for landscapers and snow removal contractors as well as municipalities for city and residential streets.

The SND900 is a 9.0 million BTU/hr machine rated at melting 30 tons of snow per hour - Based on the Latent Heat of Ice (since every manufacturer uses a different ton rating, you must compare snowmelters by their BTU's). As a result, this model is comparable to 40 Ton/hr machines being marketed to the industry.

The SND900 is a commercially rugged unit fabricated on a tri-axle trailer and can be towed from site to site for multiple melting locations in one night. Measuring twenty-seven feet long and less than eight and a half feet wide, it is capable of fitting in tight places. This model has also been engineered to be a low maintenance, easily operated, extremely mobile unit. The heated operating enclosure has two double doors on both sides for easy access. The enclosure protects the burner, generator, water pump system and other major components from harsh winter elements.

Easy access for side loading from both sides, is one feature of the SND900. The melting hopper tank measures a total of fifteen feet long with a nine foot length (2.74 meters) area for dumping snow. This allows the loader operator to not be restrictive when setting up the equipment for loading purposes. Other features include one-man operation capability; the same guy loading it can also operate the melter.

All Snow Dragon snowmelters are manufactured for easy operation - few buttons to turn it on and one button to turn it off! Plug and play components, quiet operation, 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!*







# SND900 DATA SHEET



## SPECIFICATIONS:

### Melting Capacity\*:

30 Tons/hr  
(100 - 300 Cubic yds/hr)

### Outside Ambient Temp:

32°F (0°C)

### Burner Output:

9,000,000 BTU/hr

### Fuel Type:

#1 and #2 Diesel, Jet "A" fuel.  
Stationary melters can run on  
Natural Gas or Propane

### Fuel Usage:

40 - 60 US Gallons per hour  
(151 - 227 Liters per hour)

### Fuel Capacity:

550 US Gallons (2,082 Liters)

### Water Discharge Rate:

Approx 130 Gallons per min  
(493 Liters per minute)

### Water Discharge Temp:

35°-60°F (1.6°C-15°C)

### Water Tank Capacity (up to):

1,050 US Gallons (3975 L)

### Weights (Approx):

**Empty:** 19,335 lbs (8770 kgs)

**With Fuel:** 23,350 lbs (10591 kgs)

**With Fuel & Water (Full):**

32,120 lbs (14569 kgs)

**With Fuel & Water (Travel Level):**

26,200 lbs (11884 kgs)

### Dual Snow Loading Access:

9' w x 7'3" h (2.743m x 2.21m)

### Measurements (approx):

27' long x 8' 4" wide x 8' 6" high  
(8.230m x 2.540m x 2.591m)

### 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)\*\*

\* Based on snow density. Altitude de-rate starts at  
1000' elevation.

\*\* Based on water at travel level

## OPTIONS:

- Stainless steel melting hopper and weir system.
- Vibration resistance floodlights.
- Directional drain discharge.
- Custom painting and/or decals.
- Goose neck (5th wheel) towing attachment.
- Long Term Service contract.

The equipment specifications shown below are for the SND900 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.

## SND900 SNOWMELTER STANDARD EQUIPMENT:

- NEC (National Electric Code) and NFPA (National Fire Protection Association) compliant.
- Built per CE & CSA compliant.
- Automatic ignition diesel fired 9,000,000 btu/hr packaged burner.
- Patent-pending engineered heat exchanger tubes.
- Burners will run on #1 Diesel, #2 Diesel, Jet "A" fuel, & Natural Gas and Propane if stationary.
- 550 US Gallon (2082 liters) fuel tank, approx 8-10 hours of operation.
- In line fuel heater.
- Standard heavy gauge mild steel melting pan and tank with structural steel supports.
- Snow loading access on both sides, each 9' wide x 7'3" high (2.7m x 2.2m).
- Heated operating enclosures with lockable access door protecting equipment including burners, water pump spray system, and generator.
- Quiet operation.
- Three (3) clean out hatches for easy cleaning.
- Heavy duty tri-axle trailer with electric brakes, turn signals, marker lights with pintal hook for towing arrangements.
- Wood rail guards positioned on the melter to prevent damage to loading sides.
- Self contained diesel fired 26KW generator, 42 amps with 45 HP Mitsubishi engine located inside the heated enclosure.
- Generator battery charger.
- Auxiliary power plug is wired to power the battery charger, generator block heater, and control panel heater when the melter is not in use or the generator is off.
- NEMA 4/12 main control panel with temperature controller, visual and audible alarm indication, pilot controls, indicators, gauges, relays and terminals.
- Key switch to engage battery power.
- Emergency shut down buttons located on both sides of the melter.
- Two (2) 300 gallons/min (1135 liters/min) water recirculating pumps, each 7.5HP with removable filter screens.
- Two (2) high pressure spray bars around the inside of the hopper to circulate and spray warm water onto loaded snow.