

# TRECAN MODEL 100-PD PORTABLE SNOWMELTER

## DATA SHEET

<b>SPECIFICATIONS:</b>	<b>Rated Capacity:</b>	<b>100 tons/hr</b> (Equivalent to 250 – 500 cu. yards/hr average snow density of 15-30-lbs/cu. ft.)
	<b>Burner Output:</b>	<b>18,000,000 BTU/hr</b>
	<b>Fuel:</b>	<b>No. 1 Fuel Oil, Stove Oil or Diesel</b>
	<b>Fuel Flow (to burners):</b>	<b>129 US GPH</b>
	<b>Water Out Flow:</b>	<b>400 US GPM @ 38°F (3°C)</b>
	<b>Weights (standard model):</b>	<b>Empty: 30,000 lbs</b> <b>With Fuel &amp; Water: 69,000 lbs</b> <b>Fuel, water, snow, sand: 78,000 lbs</b>
	<b>Engine:</b>	<b>Liquid cooled 6-cylinder turbo diesel</b> <b>HP Rating: 160 @ 2600 rpm</b>
	<b>Max. Towing Speed:</b>	<b>Empty: 60 MPH</b> <b>With Fuel: 5 MPH</b>

### STANDARD EQUIPMENT:

1. Two Trecan Model 9-40-O Burners with stainless steel downcomers.
2. Standard carbon steel outer weir tubes.
3. Melting tank with snow loading access to the left side.
4. Diesel engine including hydraulic pump, burner fuel pump, coolant heater and engine enclosure.
5. Engine fuel system includes dual Racor filters.
6. Burner fuel system includes backpressure regulator, fuel filters, pressure switch and burner valve trains.
7. 1,500 US gallon fuel tank with low-level switch and level transmitter.
8. Hydraulically driven combustion air blower. Low combustion air pressure switch.
9. Heavy-duty batteries and a 24VDC electrical system.
10. Inverter (includes battery charger) for 24VDC to 120VAC powering ignition transformers.
11. Converter for 24 to 12VDC supplying power to trailer lights (when not connected to tow vehicle).
12. Safety and control system: Main control panel includes a touch-screen operator interface, automatic engine speed control, engine key switch, selector switches, reset button, master PLC with digital communications to remote burner panels. Burner panels include PLC control, flame safeguards with infrared scanners, PTFI timers and relays, burner(s) Start, Stop, and Reset interface. Ignition transformers located in separate high voltage panels.
13. Light package consisting of turn signals, brake and marker lights, warning strobes and floodlights.
14. Fifth wheel towing arrangement. Tandem air-ride suspension and air brakes.

### Options

1. Noise reduction package – equipment enclosure.
2. Ground access fuel-fill system.
3. Water detection and vacuum switches on both the burner and engine fuel systems.
4. Plug-in immersion heater(s) – melting tank, hydraulic reservoir.
5. Engine cold start aid(s).
6. Air on hydraulic landing gear.
7. Jet fuel rated components.
8. 12VDC electrical system.
9. Remote wireless communications and a PC based data acquisition and monitoring system.
10. Downgrade from stainless to carbon steel control panel enclosures.
11. Stainless steel melting tank and weir tubes.
12. Dual side loading. Includes extended tank and burners located in opposing corners of the melting tank.

Specifications subject to change without notice.

Updated 29 January 2003

# TRECAN

**TRECAN COMBUSTION LIMITED**

4049 St. Margaret's Bay Road, Hubble, Nova Scotia, B3Z 1C2, Canada

Phone: (902) 876-0457 · Fax: (902) 876-8275

Internet: [www.snowmelter.com](http://www.snowmelter.com) · Email: [sales@trecan.com](mailto:sales@trecan.com)