

TRECAN MODEL 500-PD PORTABLE SNOWMELTER

DATA SHEET

<u>SPECIFICATIONS:</u>	Rated Capacity:	500 tons/hr (Equivalent to 1,234 – 2,469 cu. yards/hr average snow density of 15-30-lbs/cu. ft.)
	Burner Output:	80,000,000 BTU/hr
	Fuel:	No. 1 Fuel Oil, Stove Oil or Diesel
	Fuel Flow (to burners):	571 US GPH
	Water Out Flow:	2000 US GPM @ 38°F (3°C)
	Weights:	Empty: 84,000 lbs With Fuel & Water: 156,000 lbs Fuel, water, snow, sand: 170,000 lbs
	Engine:	Liquid cooled 6-cylinder turbo diesel HP Rating: 500 @ 2100 rpm
	Max. Towing Speed:	Empty: 60 MPH With Fuel: 5 MPH

STANDARD EQUIPMENT:

1. Six TreCAN Model 12-60-O Burners with stainless steel downcomers.
2. Outer weir tubes for the four standard corner burners.
3. Two center burners fitted with snow start equipment.
4. Melting tank with snow loading access to both left and right sides.
5. Diesel engine including hydraulic pumps and burner fuel pump. Full equipment enclosure.
6. Engine fuel system includes dual Racor filters.
7. Burner fuel system includes backpressure regulator, fuel filters, pressure switch and burner valve trains.
8. 3,000 US gallon fuel tank with low-level switch and level transmitter.
9. Hydraulically driven combustion air blowers. Low combustion air pressure switches.
10. Heavy-duty batteries and a 24VDC electrical system.
11. Inverter (includes battery charger) for 24VDC to 120VAC powering ignition transformers.
12. Converter for 24 to 12VDC supplying power to trailer lights and enclosure fluorescent lights.
13. 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.
14. Light package consisting of turn signals, brake and marker lights, warning strobes and floodlights.
15. Fifth wheel towing arrangement. Tri-axle air-ride suspension and air brakes.

Options

1. Noise reduction package.
2. Ground access fuel-fill system.
3. Water detection and vacuum switches on both the burner and engine fuel systems.
4. Hydraulic reservoir immersion heater.
5. Engine cold start aid(s).
6. Air on hydraulic landing gear OR electric operated landing gear.
7. Jet fuel rated components.
8. Burner fuel flow measurement system.
9. Remote wireless communications and a PC based data acquisition and monitoring system.
10. Downgrade to carbon steel control panel enclosures.

Specifications subject to change without notice.

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TRECAN

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