



Trecaan Snowmelters

**500-PD
SNOWMELTER**

ISO 9001:2000 Certified

500-PD SPECIFICATIONS

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:	84,000,000 BTU/hr
Fuel:	No. 1 Fuel Oil, Stove Oil or Diesel
Fuel Flow (to burner)	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

The Trecaan 500-PD has a capacity of melting 500 tons of snow per hour, its six Trecaan 14 million BTU/hr burners (84 Million BTU/hr) can melt 1,234 to 2,469 cubic yards of snow with an average snow density of 15 to 30 lbs per/ft. per hour. The model 500-PD is a dual side loading Snowmelter and is designed for use at large airports and large city snow dumps.



500-PD STANDARD EQUIPMENT

- Six Trecaan 14 million BTU/hr burners, with stainless steel downcomers.
- Outer weir tubes for the four standard corner burners.
- Two centre burners fitted with snow start equipment.
- Melting tank with snow loading access to both left and right sides.
- Diesel engine including hydraulic pumps and burner fuel pump. Full equipment enclosures.
- Engine fuel system includes dual Racor filters.
- Burner fuel system includes backpressure regulator, Racor filter, pressure switch and burner valve train.
- 3,000 US gallon fuel tank with low-level switch and visual level transmitter.
- Hydraulically driven combustion air blowers. Low combustion air pressure switches.
- Snow start system (useful in locations where water is difficult to obtain).
- 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.
- Light package consisting of turn signals, brake and marker lights, warning strobe, and floodlights.
- Fifth wheel towing arrangement. Tri-axle air-ride suspension and air brakes.
- Noise reduction package.
- Remote wireless communications and a PC based data acquisition and monitoring system.

500-PD OPTIONS

- Ground access fuel-fill system.
- Water detection and vacuum switches on both the burner and engine fuel system.
- Hydraulic reservoir immersion heater.
- Engine cold start aid(s).
- Air on hydraulic landing gear OR electric operated landing gear.
- Jet fuel rated components.
- Burner fuel flow measurement system.



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ABOUT TRECAN

The name TRECAN, was originally an acronym for "Thermal Research and Engineering Canada", and the company's history and origins are steeped in combustion technology and thermal efficiency. Trecan Combustion is a Canadian company that has been designing and manufacturing Snowmelters for over 35 years and to date the company has delivered over 500 machines throughout the world with large numbers in the United States, Canada and Russia. Trecan is the only Snowmelter manufacturer that builds nine different models of Portable Snowmelters and more than ten single / multiple burner models of Stationary Snowmelters.

TRECAN SNOWMELTERS

Trecan Snowmelters are the most thermally efficient Snowmelters available.

(approximately 98% efficiency)

This is due to the submerged combustion, direct contact method of heating and transferring the energy from the combustion process to the water and snow in the melting tank. With over 35 years of engineering, manufacturing and practical experience Trecan Snowmelters are the most proven, tried and tested Snowmelters available.

Trecan by the Numbers:

- #1** in Snowmelters Worldwide
- 35+** Years Experience
- 100%** Performance Guarantee
- 800+** Installations Worldwide
- #1** in Quality Assurance
- 24/7** Remote Diagnostics
- 9** Portable Models
- 10+** Stationary Models

OUR PERFORMANCE GUARANTEE

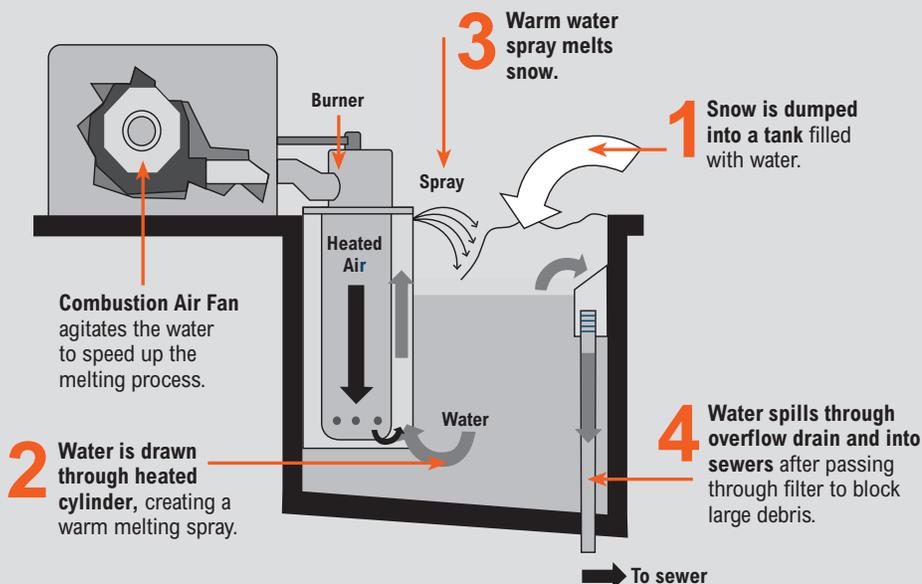
"Trecan will guarantee the capacity of our Snowmelters based on typical snow not containing any ice entering the Snowmelter at 30 Degrees F."



ISO 9001:2000 CERTIFIED

In 2002 Trecan Combustion became the only Snowmelter manufacturer to obtain the ISO 9001:2000 certification, ISO's most widely known standard. ISO 9001:2000 has become an international reference for quality assurance requirements in business-to-business dealings all over the world. ISO 9001:2000 primarily ensures that our products or services satisfy the customer's quality requirements.

How our Snowmelter Works



REMOTE DIAGNOSTICS

All Trecan Portable and Stationary Snowmelters are available with a Remote Communications Package enabling Trecan to monitor operations and conduct diagnostic checks 24/7 on Trecan Snowmelters almost anywhere in the world. This unique capability also allows for remote trouble shooting and Snowmelter software upgrades (if required and when available). We also offer an optional integrated GPS module.

COST SAVINGS

Delays in snow removal can indirectly and directly result in loss of revenue. With airports, shopping malls, and parking lots a delay in snow removal can result in tremendous loss of revenues in addition to the trucking costs. Although costs are of the most importance, speed of removal is equally so.