Trecan Snowmelters

ISO 9001:2000 Certified

180-PD SNOWMELTER

180-PD SPECIFICATIONS

Rated Capacity:	180 tons/hr {Equivalent to 444-888 yards^3/hr (340-680 m^3/hr)} {average snow density of 30-15 lbs/ft^3 (480-240 kg/m^3)}	**Water Out Flow:**	723 US GPM (2737 L/min) @ 38˚F (3˚C)
Combined Burner Output:	32,000,000 BTU/hr (33,762,000 kJ/Hr)	**Weights (std model):**	Empty - 36,000 lbs (16,329 kg) With Fuel & Water - 79,000 lbs (35,834 kg)
Fuel:	Winter Diesel	**Fifth-wheel loading:**	Empty - 15,000 lbs (6,804 kg) With Fuel - 25,800 lbs (11,702 kg) With Fuel & Water - 41,500 lbs (18,824 kg)
Fuel Capacity	1500 USG (5678 L)	**Max. Towing Speed:**	Empty - 60 MPH (97 km/h) With Fuel - 10 MPH (16 km/h) With Water: 2 MPH (3 km/h)
Fuel Flow (to burner)	227 US GPH (859 L/hr)	**Dimensions:**	Length (std): 47'-2" (14.37 m) Width: 8'-6" (2.59 m) Height (max): 12'-11" (3.94 m) Loading Height: 9' (2.74 m)
Diesel Engine:	225 HP (168 kW)		
Water Capacity:	3770 USG (14,271 L)		

The Trecan 180-PD has a capacity of melting 180 tons of snow per hour, its 32 million BTU / hr burners (36 Million BTU/hr) can melt 444 to 888 cubic yards of snow with an average snow density of 15 to 30 lbs per/ft. per hour. The model 180-PD is a side loading Snowmelter and is designed for use at airports and city snow dumps.

Backed by Trecan 100% Performance Guarantee Conditions apply

180-PD GENERAL DESCRIPTION

The melting tank is loaded from the left side of the trailer. The carbon steel melting tank is typically 18' (5.49 m) long with a clear opening of 18' (5.49 m) for loading snow. Two clean out doors are located on each side of the melting tank for removal of sediment, debris and water when melting is complete. An optional debris removal aid (debris trays) reduces the time to clean the melting tank. During operation, the melt water exits the tank through overflow drains located at the right side of the tank.

The 180-PD utilizes two submerged combustion burners mounted on the right side of the melting tank to provide heat and turbulence to the melting process. The melting tank is designed and built to allow a snow start capability by incorporating one standard burner and one snow start burner.

The fuel tank is located in front of the melting tank and stores fuel for both the diesel engine and burners. Most of the equipment necessary for self-contained operation is within a walk-in engine room enclosure located at the back end of the trailer. The engine room improves overall efficiency by capturing and directing residual heat into the melting process, with added benefits of overall noise reduction and equipment security.

Main components in the engine room include a liquid cooled turbo diesel engine which drives a hydraulic pump and burner fuel pump, with electrical power generated by the heavy duty alternator. The closed loop hydraulic system drives the blower (fan) which in turn supplies combustion air to the burners. A panel containing the safety and control system provides fully automatic operation by computer control and a graphical operator interface terminal. Remote data communications provide remote trouble shooting and software upgrade capability, and with an annual subscription will allow the customer to view historical and current operating data via a Trecan web server / database application.

Also included are all necessary internal and external lighting and indication for safe operation. The towing arrangement uses a king pin connection to a truck fifth-wheel. Running gear includes dual-axle air ride suspension and air brakes. Landing gear is manual operation.

Other options include: plug-in immersion heaters, battery charger, jet fuel compatibility package, stainless steel melting tank, water tight man door access to the melting tank, custom paint colors, engine room acoustic insulation, and air/hydraulic landing gear.

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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.

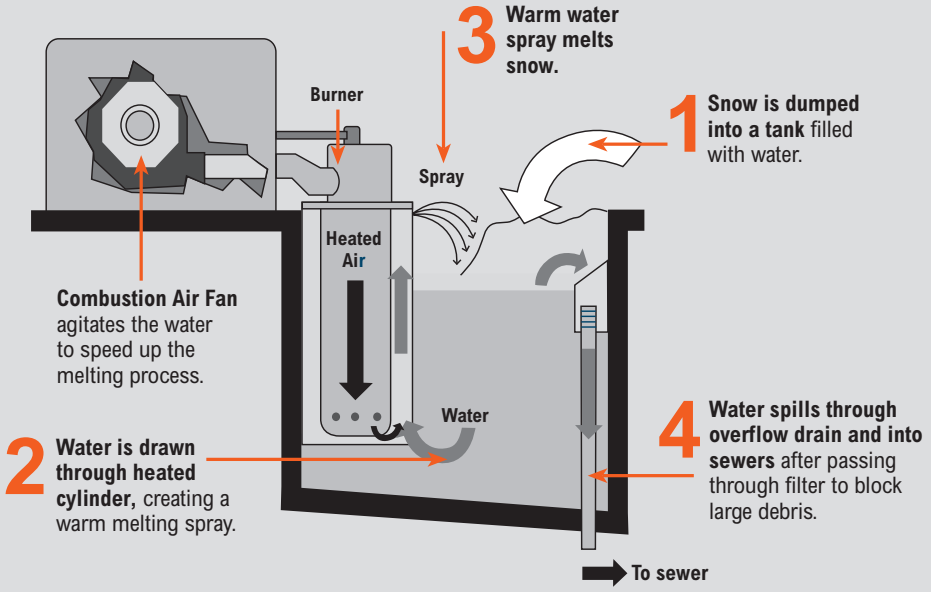
Trecan by the Numbers:

- **#1** in Snowmelters Worldwide
- **35+** Years Experience
- **100%** Performance Guarantee
- **500+** 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."

How our Snowmelter Works



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.

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.

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