Trecan Snowmelters

80-PD SNOWMELTER

ISO 9001:2000 Certified

80-PD SPECIFICATIONS

Rated Capacity:	80 tons/hr {Equivalent to 200-400 yards^3/hr (153-306 m^3/hr)} {average snow density of 15-30 lbs/ft^3 (240-480 kg/m^3)}	**Water Out Flow:**	320 USGPM (1211 L/min) @ 38˚F (3˚C)
Burner Output:	15,000,000 BTU/hr (15,800,000 kJ/Hr)	**Weights (std model):**	Empty - 19,000 lbs (8,636 kg) With Fuel & Water - 40,000 lbs (18,181 kg)
Fuel:	No.1 Oil, Stove Oil, Winter Diesel	**Tongue loading:**	Empty - 4,400 lbs (2,000 kg)
Fuel Capacity	775 USG (2933 L)	**Towing Arrangement:**	Draw Bar: 3" (7.62 cm) ID eye
Fuel Flow (to burner)	108 US GPH (409 L/hr)	**Max. Towing Speed:**	Empty - 55 MPH (88 km/h) With Fuel - 10 MPH (16 km/h) With Water: 2 MPH (3 km/h)
Diesel Engine:	140 HP (104.4 kW)	**Dimensions:**	Length: 25' 3" (7.70 m) Width (std): 10' (3.05 m) Height (max): 12' 5" (3.78 m)
Water Capacity:	xxx USG (xxx L)		



Backed by Trecan 100% Performance Guarantee
Conditions apply

80-PD GENERAL DESCRIPTION

The melting tank is loaded from the back of the trailer. The carbon steel melting tank is typically 10' (3.05m) wide, but can be ordered in a narrow version 8'6" (2.59m) wide, or an extended version 12' (3.66m) wide. A clean out door is located on the back of the melting tank for removal of sediment, debris and water when melting is complete. An optional debris removal aid reduces the time to clean the melting tank. During operation, the melt water exits the tank through overflow drains located at the front of the tank and on either side of the trailer.

The 80-PD utilizes a single submerged combustion burner mounted on the melting tank to provide heat and turbulence to the melting process. As with all standard Trecan Snowmelters, the melting tank must be filled with water before the machine can be started. In the 80-PD (M Series), the burner and melting tank are designed and built to allow a snow start capability (useful in locations where water is difficult to obtain).

A fuel tank is located in front of the melting tank and stores fuel for both the diesel engine and burner. The top of the fuel tank supports all of the equipment necessary for self-contained operation, all within a walk-in engine room enclosure. 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 burner. A panel containing the safety and control system provides fully automatic operation by computer control and a graphical operator interface terminal. A flame-safeguard controller and infrared scanner monitor the burner flame. 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 an adjustable height draw bar for connection to a truck pintle hook. Running gear includes dual-axle leaf spring suspension and electric brakes. Landing gear is manual operation.

Other options include: snow start, plug-in immersion heaters, battery charger, jet fuel rated components, stainless steel melting tank, custom paint colors, and engine room acoustic insulation.

4049 St. Margaret's Bay Road, Hubley, Nova Scotia, Canada B3Z 1C2 | P (902) 876-0457 | F (902) 876-8275 | Email sales@trecan.com trecan.com

Trecan Snowmelters

ISO 9001:2000 Certified

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:

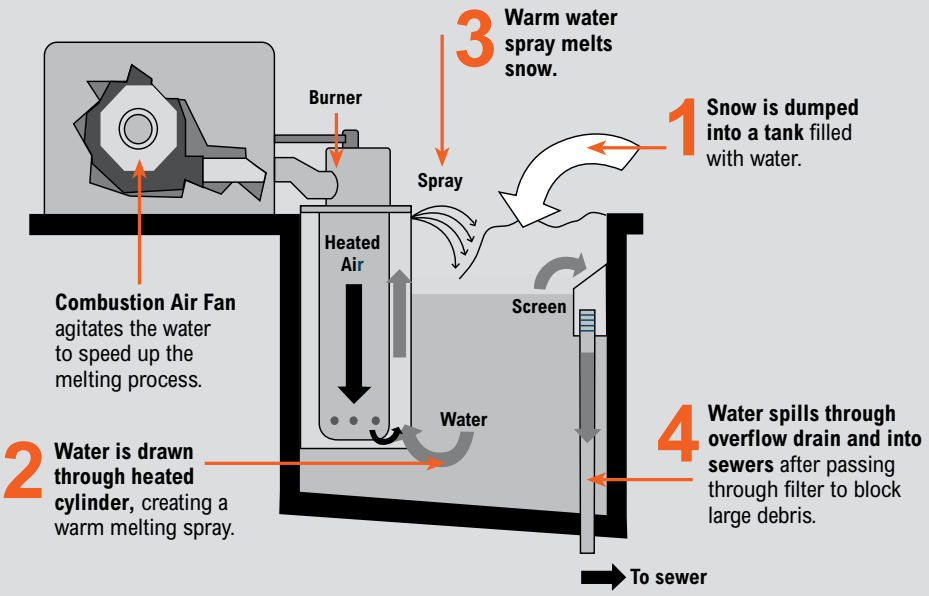
- **#1** in Snowmelters Worldwide
- **35+** Years Experience
- **100%** Performance Guarantee
- **500+** Installations Worldwide
- **#1** in Quality Assurance
- **24/7** Remote Diagnostics
- **9** Portable Models
- **10+** Stationary Models

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.

4049 St. Margaret's Bay Road, Hubley, Nova Scotia, Canada B3Z 1C2 | P (902) 876-0457 | F (902) 876-8275 | Email sales@trecan.com trecan.com

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com