Trecan Snowmelters

40-PD SNOWMELTER

ISO 9001:2000 Certified

40-PD SPECIFICATIONS

Rated Capacity:	40 tons/hr @30˚F {Equivalent to 100-200 yards^3/hr (76-153 m^3/hr)} {average snow density of 15-30 lbs/ft^3 (240-480 kg/m^3)}	**Water Out Flow:**	160 US GPM (605 L/min) @ 38˚F (3˚C)
Burner Output:	9,000,000 BTU/hr (9,486,000 kJ/hr)	**Weights (std model):**	Empty - 16,534 lbs (7,500 kg) With Fuel & Water - 29,762 lbs (13,500 kg)
Fuel:	No.1 Oil, Stove Oil, Winter Diesel	**Tongue Loading:**	Empty - 3,969 lbs (1,800 kg)
Fuel Capacity	600 USG (2,271 L)	**Towing Arrangement:**	Draw Bar - 3" (7.62 cm) I.D. eye
Fuel Flow (to burner)	64 US GPH (242 L/hr)	**Max. Towing Speed:**	Empty - 62 MPH (100 km/h) With Fuel - 10 MPH (16 km/h) With Water: 2 MPH (3 km/h)
Diesel Engine:	80 HP (59 kW)	**Dimensions:**	Length: 23'-5" (7.14 m) Width (std): 8'-2" (2.59 m) Height (max): 12'-2" (3.70 m)
Water Capacity:	1200 USG (4542 L)		

The Trecan 40-PD is an excellent choice for small snow contractors, condominiums, apartment buildings, small airports, universities, parking lots, strip malls and shopping plazas. With a capacity of 40 tons per hour, it can be loaded with a Bob Cat, Skid Steer or backhoe as its 9 Million BTU / hr burner can melt 100 to 200 cubic yards of snow with an average snow density of 15 to 30 lbs per/ft. per hour.

Backed by Trecan 100% Performance Guarantee Conditions apply

40-PD GENERAL DESCRIPTION

The melting tank is loaded from the back of the trailer. The carbon steel melting tank is typically 8'-2" (2.49m) wide, but can be ordered in an extended version 10' (3.05m) 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 40-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 a build to order option, 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 torsion 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, electro-hydraulic landing gear, and engine room acoustic insulation.

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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.

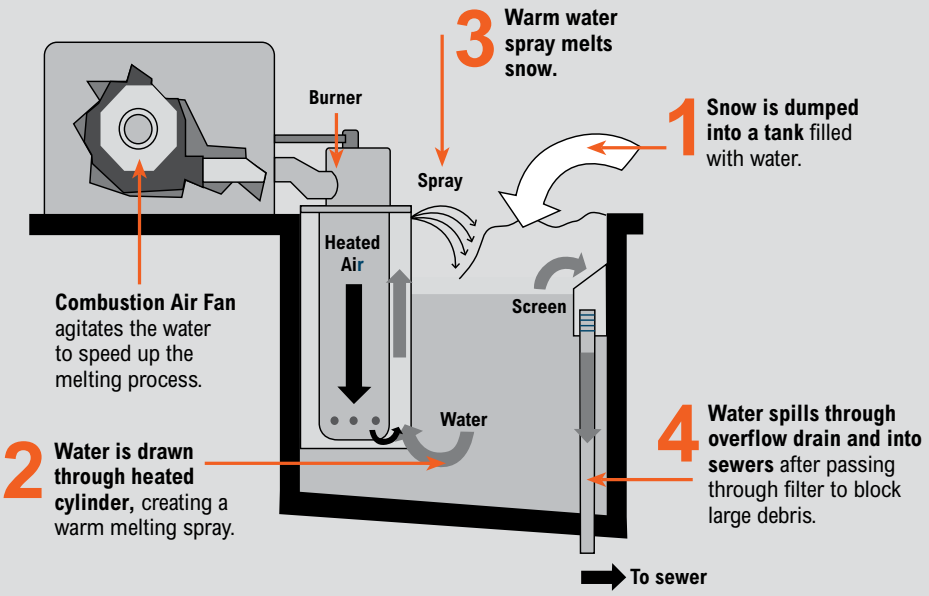
Trecan by the Numbers:

- **#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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