



Trecaan Snowmelters

135-PD SNOWMELTER

ISO 9001:2000 Certified

135-PD SPECIFICATIONS

Nominal Capacity:	135 tons/hr {Equivalent to 334-675 yards ³ /hr (258-516 m ³ /hr)} {average snow density of 15-30 lbs/ft ³ (240-480 kg/m ³)}	Water Out Flow:	540 US GPM (2044 l/min) @ 38°F (3°C)
		Weights (std model):	Empty - 32,000 lbs (14,515 kg) With Fuel & Water - 71,000 lbs (32,205 kg)
Combined Burner Output:	24,000,000 BTU/hr (25,300,000 kJ/h)	Fifth-wheel Loading:	Empty - 15,000 lbs (6,803 kg) With Fuel: 25,800 lbs (11,702 kg) With Fuel & Water - 39,783 lbs (18,045 kg)
		Max. Towing Speed:	Empty - 60 MPH (97 km/h) With Fuel: 10 MPH (16 km/h) With Water - 2 MPH (3 km/h)
Fuel:	Winter Diesel (Jet A with optional equipment)	Dimensions:	Length (std): 44'-11" (13.69 m) Width: 8'-6" (2.59 m) Height (max): 12'-11" (3.94 m)
Fuel Capacity:	1,500 USG (5,678 l)		
Fuel Flow (to burner)	170 US GPH (644 l/h)		
Water Capacity:	3350 USG (12,685 l)		



135-PD GENERAL DESCRIPTION

The melting tank is loaded from the left side of the trailer. The carbon steel melting tank is typically 16' (4.88 m) long with a clear opening of 16' (4.88 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 reduces the time to clean the melting tank. During operation, melt water exits the tank through overflow drains on the right side of the tank.

The 135-PD utilizes two submerged combustion burners which provide efficiencies of close to 98%, without tube type heat exchangers obstructing the melting tank. The burners are mounted on the right side of the melting tank to provide heat and turbulence to the melting process. As with all standard Trecaan Snowmelters, the melting tank must be filled with water before the machine can be started. For an extra cost, the burners and melting tank are designed and built to allow a snow start

capability (useful in locations where water is difficult to obtain).

The double-wall fuel tank is located in front of the melting tank and stores fuel for both the diesel engine and burners.

Most of the equipment is within a walk-in engine room 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, equipment security and improved maintainability.

Main components in the engine room include: liquid cooled turbo diesel engine, hydraulic pump, burner fuel pump, heavy duty alternator, hydraulic reservoir, fuel filters, and main control panel. 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 includes 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 Trecaan 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. Other options include: plug-in immersion heaters, battery charger, jet fuel rated components, stainless steel melting tank, dual side loading melting tank, custom paint colors, snow start system, and electric/other 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. Trecaan 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. Trecaan 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

Trecaan 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 Trecaan Snowmelters are the most proven, tried and tested Snowmelters available.

Trecaan 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

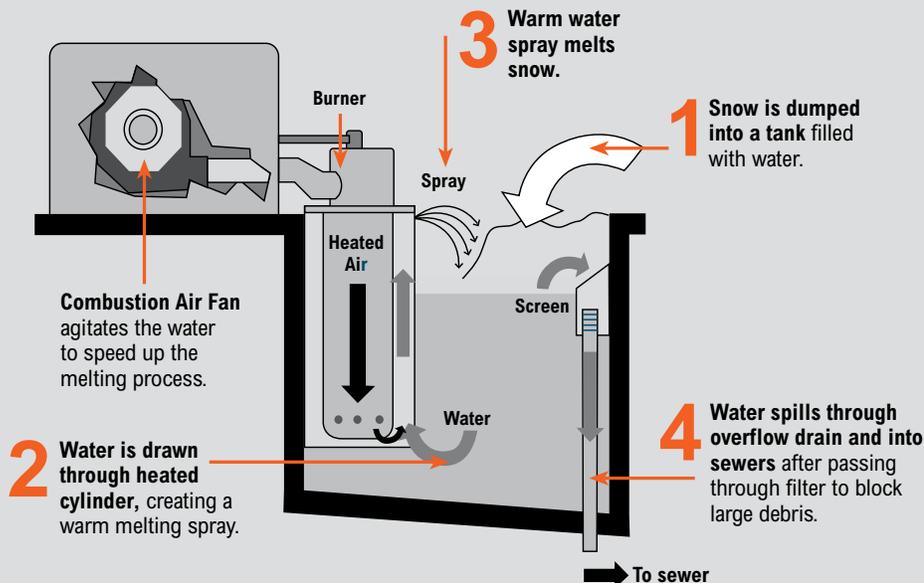
"Trecaan will guarantee the capacity of our Snowmelters based on typical snow not containing any ice entering the Snowmelter at 30 Degrees F."



ISO 9001:2000 CERTIFIED

In 2002 Trecaan 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 Trecaan Portable and Stationary Snowmelters are available with a Remote Communications Package enabling Trecaan to monitor operations and conduct diagnostic checks 24/7 on Trecaan 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.