



Trecaan Snowmelters

**20-PD
SNOWMELTER**

ISO 9001:2000 Certified

20-PD SPECIFICATIONS

Rated Capacity:	20 tons/hr (Equivalent to 50-100 cu. yards/hr average snow density of 15-30 lbs/cu. ft.)
Burner Output:	4,500,000 BTU/hr
Fuel:	No. 1 Fuel Oil, Stove Oil or Diesel
Fuel Flow (to burner)	32 US GPH
Water Out Flow:	80 US GPM @ 38°F (3°C)
Weights (std model):	Empty - 9,000 lbs With Fuel & Water - 15,500 lbs
Engine:	Liquid cooled 4-cylinder diesel HP Rating - 65 @ 2600 rpm
Max. Towing Speed:	Empty - 20 MPH With Fuel - 5 MPH



20-PD STANDARD EQUIPMENT

- One Trecaan Model 4.5-20-OH Burner, refractory combustion chamber and a stainless steel downcomer.
- Standard carbon steel semi-cylindrical outer weir tube.
- Standard (8' wide) carbon steel melting tank with snow loading access from back end.
- Diesel engine including hydraulic pump, burner fuel pump, cold start aid(s) and coolant heater.
- Full equipment enclosure.
- Burner fuel system includes backpressure regulator, Racor filter, pressure switch and burner valve train.
- 280 US gallon fuel tank with low-level switch and visual level indicators.
- Hydraulically driven combustion air blower. Low combustion air pressure switch.
- Heavy-duty battery for the 12VDC electrical system.
- Panel enclosure containing the inverter for DC to 120VAC power, and the ignition transformer.
- Safety and control system: Main control panel includes engine key switch, selector switches, burner start button, reset button, indicator lights, flame safe-guard controller with infrared scanner, PTFI timer and relays and the master PLC.
- Light package consisting of Warning strobe and Burner ON lights.
- Tow bar/pintle hook (adjustable height) towing arrangement. Single-axle fixed suspension.
- Noise reduction package.
- Full light package includes turn signals, brake, marker lights and floodlights (floodlights increase o/a height).

20-PD OPTIONS

- Electric brakes (required for road use).
- Plug-in immersion heater(s) – melting tank, hydraulic reservoir.
- Engine cold start aid(s).
- Jet fuel (limited) rated components.
- Battery charger.
- Stainless steel control panel enclosure.
- Stainless steel melting tank and weir tube.
- 24VDC electrical system.
- Control system upgrade with alphanumeric display and fuel level indication.
- Additional automation options.
- Electric operated 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

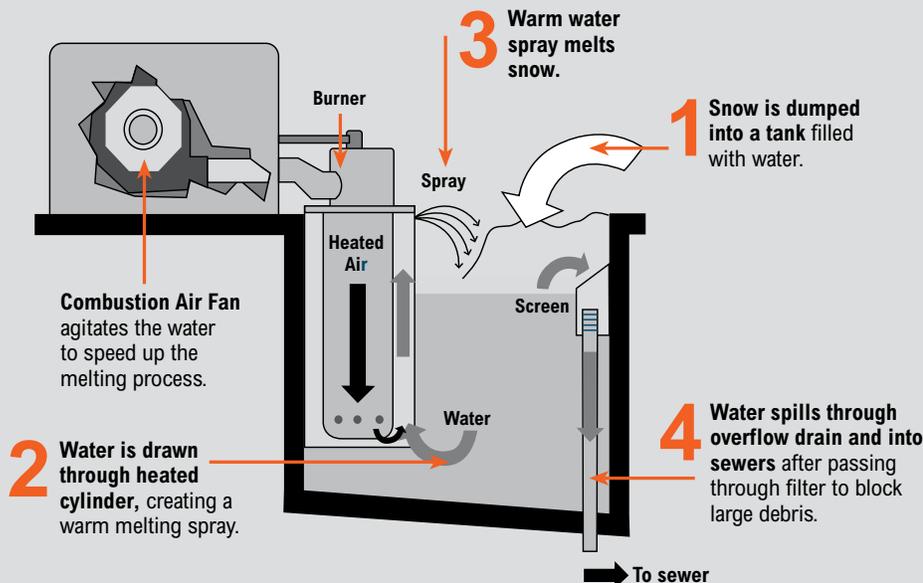
"Trecaan will guarantee the capacity of our Snowmelters based on typical snow not containing any ice entering the Snowmelter at 30 Degrees F."



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.