Trecan Combustion

CT-15-LP SNOWMELTER

ISO 9001:2015 Certified



Dimensions: Length: 19'-6.5" (5.96 m) Width: 7'-5" (2.26 m) Height: 6'-3" (1.91 m)

Rated Capacity:	15 tons/hr @ 30°F (-1.1°C) {Equivalent to 37-74 yards³/hr (28-57 m³/h)} {Avg Snow Density of 30-15 lbs/ft³ (480-240 kg/m³)}	
Burner Output:	3,400,000 BTU/hr (3,587,000 kJ/h)	
Fuel:	Ultra Low Sulfur Diesel	
Fuel Capacity:	119 USG (450 L) (Safe fill to 428 L)	
Fuel Flow (to burner):	25 US GPH (93 L/h)	
Diesel Engine:	24.8 HP (18.5 kW) USEPA Tier 4 Final	
Water Capacity:	500 USG (2,085 L)	
Water Out Flow:	60 US GPM (227 L/min) @ 38°F (3°C)	
Weights (std model):	Empty:	7,380 lbs (3,348 kg)
	With Fuel & Water:	9,700 lbs (4,400 kg)
Tongue Loading:	Empty:	<= 1,000 lbs (454 kg)
Towing Arrangement:	Receiver:	2-5/16" Ball Hitch
Max. Towing Speed:	Empty or With Fuel:	55 MPH (88 km/h)
	With Water:	2 MPH (3 km/h)

General Description:

The melting tank is loaded from the rear of the trailer. The carbon steel melting tank is 7' 5" (2.26m) wide. A clean out hatch is located on the rear of the melting tank for removal of sediment, debris and water when melting is complete. During operation, the melt water exits the tank through an overflow drain located at the side of the trailer.

The CT-15-LP is ideal for use on parking decks. It can be easily towed through a parking garage and its fully loaded weight enables it to sit on modern parking decks.

The CT-15-LP utilizes a single submerged combustion burner mounted on the melting tank to provide heat and turbulence to the melting process. The burner and melting tank are designed and built to allow a snow start capability (useful in locations where water is difficult to obtain).

Main components of the snowmelter include a liquid cooled diesel engine, with an electric motor driving a burner fuel pump, with electrical power generated by the heavy duty alternator. The belt drives the blower (fan) which in turn supplies combustion air to the burner. The fuel tank is an IBC (Intermediate Bulk Container) meeting UN 31 A/Y requirements for the transportation and storage of dangerous goods (diesel fuel in Canada).

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 flame scanner monitor the burner flame. Remote data communications provide remote troubleshooting, 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 ball hitch receiver for connection to a truck ball hitch. Running gear includes dual axle torsion suspension and electric brakes. Landing gear is manual operation.

Specifications subject to change without notice (April 11, 2023)

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