Trecan Combustion

150-PD SNOWMELTER

ISO 9001:2015 Certified



Rated Capacity:	150 tons/hr @ 30°F (-1.1°C) {Equivalent to 370–740 yards³/hr (283-566 m³/h)} {Avg Snow Density of 30-15 lbs/ft³ (480-240 kg/m³)}
Comb. Burner Output:	26,600,000 BTU/hr (28,065,000 kJ/h)
Fuel:	ULSD
Fuel Capacity:	1500 USG (5,678 L)
Fuel Flow (to burner):	191 US GPH (723 L/h)
Diesel Engine:	225 HP (168 kW)
Water Capacity:	3300 USG (12,492 L)
Water Out Flow:	600 US GPM (2268 L/min) @ 38°F (3°C)
Weights (std model):	Empty: 39,100 lbs (17,735 kg) With Fuel & Water: 75,300 lbs (34,156 kg)
Fifth-Wheel Loading:	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)

Dimensions: Length (standard): 44′-11″ (13.69 m) Width: 8′-6″ (2.59 m) Height (maximum): 12′-11″ (3.94 m)

General Description:

The 150-PD utilizes two Trecan high intensity submerged combustion burners mounted on opposing corners of the melting tank to provide heat and turbulence to the melting process. The standard burner configuration requires the melting tank be filled with water before operation of the burners. With the snow-start configuration, one burner and melting tank are designed to allow a snow start at reduced capacity until enough water is available for normal operation of both burners.

The melting tank is loaded from the left or right side of the trailer. The carbon steel melting tank is 18′ (5.49m) long with clear openings of 14′ (4.27m) for loading snow. Two clean out hatches are located on each side of the melting tank for removal of debris and water. For safe and easy access to the melting tank, a water tight person door is located on the right side of the tank. During operation, the melt water exits the tank through overflow drains located at the front corners of the melting tank.

The fuel tank is located in front of the melting tank and stores fuel for both the diesel engine and burners. Fuel tanks available include [1500 USG double wall (for export), 1138 USG UN IBC] dependant on country requirements. A walk-in engine room enclosure is located at the back end of the trailer. The engine room further enhances the very high energy efficiency by capturing and directing engine residual heat into the melting process, with added benefits of overall noise reduction and equipment security.

Main components in the engine room include a Tier 4 Final turbo diesel engine powering one 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 burners. The main control panel provides fully automatic operation by computer control and 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 Trecan 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 connetion to a truck fifth-wheel. Running gear includes dual-axle air ride suspension and air brakes. Landing gear is manual operation.

Other options include: battery charger or solar charger, jet fuel rated components and seperate engine fuel tank, single side loading melting tank, custom paint colors, air powered hydraulic landing gear, and clean-out trays.

Specifications subject to change without notice (October 30, 2024)

©2024 Trecan Combustion Limited. All rights reserved.

TRECAN COMBUSTION LIMITED
4049 Saint Margaret's Bay Road, Hubley, Nova Scotia, B3Z 1C2, Canada
Phone: (902) 876-0457 - Fax: (902) 876-8275
www.snowmelter.com - Email: sales@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