

TRECAN MODEL 20-SO STATIONARY SNOWMELTER

DATA SHEET

<u>SPECIFICATIONS:</u>	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:	Burner Package: 1,450 lbs Equipment Package: 2,000 lbs
	Power Supply:	575/3/60, 460/3/60 or 208/3/60
	Power Consumption:	24 kVA (without options)

STANDARD EQUIPMENT:

1. One Trecan Model 4.5-20-O Burner, refractory combustion chamber and a stainless steel downcomer.
2. One Trecan 'Low-Mount' oil-electric pilot.
3. Standard carbon steel semi-cylindrical outer weir tube (bolt brackets for concrete pit or integrated with steel tank).
4. Direct drive centrifugal blower with 25 HP, 3600 RPM TEFC motor.
5. Fuel oil pump assembly including gear pump with TEFC motor, back-pressure control valve, oil filter and suction line check valve.
6. Air flow control valve with low fire start switch and electric actuator.
7. Double block fuel shut-off valves on both main and pilot valve trains. Low/High fire valve for main.
8. Manual oil shut-off valves for main and pilot trains.
9. Safety and control system including carbon steel enclosure, PLC management, flame safeguard with self-checking IR scanner, control transformer, ignition transformer, low combustion air pressure switch, low oil pressure switch, control timers and relays, push buttons, selector switches and indicator lights.
10. Flexible air and oil hoses and electrical conduits between equipment package and burner.
11. Fiberglass housing to enclose equipment package.
12. Pit cover, hoist gantry, electric hoist for pit cover, Burner ON light.
13. Embedded frame for concrete pits.
14. Two overflow shields for mounting to pit wall (integrated with optional steel tank).

Options

1. Hi-Lift oil transfer pump with control unit and motor.
2. Pilot internal electric heater (extreme climate).
3. Pit (or tank) electric immersion heater(s).
4. Noise reduction package.
5. Steel or stainless steel melting tank.
6. Stainless steel weir tube.
7. Safety bollards.
8. Remote PLC communications.
9. Anti-foam chemical feed system (for glycol contaminated snow).
10. Sand removal system (various types).
11. Installation supervision.

Not Supplied by Trecan

1. Pit construction. (Trecan should review Drawing.)
2. Oil tank, supply and return line piping.
3. Water supply for filling pit prior to operation.
4. Fused power supply to control panel.
5. Unloading, mounting/installation and field connections.

TRECAN

TRECAN COMBUSTION LIMITED

4049 St. Margaret's Bay Road, Hubble, Nova Scotia, B3Z 1C2, Canada

Phone: (902) 876-0457 • Fax: (902) 876-8275

Internet: www.snowmelter.com • Email: sales@trecan.com