



## 2023 SNOWY OWL AIRCRAFT DEICER MODEL SO-2512-SP

Single operator self propelled deicing truck equipped with RHL 37 or RHL 41 ladder that fully rotate 360 degrees. 100% designed and made in Canada by Cam Concept inc. a world-renowned manufacturer of heavy and specialized equipment having sales in over 20 countries. Specially built for small to medium airports and regional carriers. Automatic reversible controls allow user to steer forward regardless of his position. Automatic 4X4 mode when ladder is in use. Fifty degrees turning radius, 2 or 4-wheel drive. Differential lock on all 4 wheels.

**DEICING FLUID (type 1)** 2500 litres, insulated tank, Visual graduated fluid level indicator on the side of the unit

**ANTI-ICING FLUID (type 3-4)** 1200 litres, Visual graduated level indicator on the side of the unit  
All stainless-steel ball valves and piping.

**WORKING HEIGHT** .....34 or 38 feet.

**EMERGENCY 12v** pump located on main hydraulic tank for ladder operation in case of emergency.

### **HEATING SYSTEM (type 1)**

The heating system is equipped with two Beckett burners and has two heating modes. Standby mode designed by Cam-Concept preheats fluid at 140 F without degradation of the de-icing fluid. Normal mode heats product up to 180°F when a de-icing operation is confirmed.

### **DEICING SYSTEM (type 1)**

40 gallons/minute centrifugal pump, 100 psi for type 1. Task Force Tips nozzle.

### **ANTI-ICING SYSTEM (type 3-4)**

Hardy diaphragm pump, 26 gallons/minute, 140 psi for type 4. Task Force Tips nozzle.

**ENGINE:** Diesel Hatz engine, 75 hp, Turbo TIER IV(**NO DEF**), pivot mounted for easy maintenance.

**HYDRAULIC PUMP:** Variable flow and pressure compensated, load sensing option.

**TRANSMISSION:** Hydraulic Transmission designed by Cam-Concept. Automatic and emergency parking brake when deadman is released.

**SPEEDS:** 3 speeds, low (ladder up), regular and high speed (2.5, 8 et 18 km/h).

**PROGRAMMABLE LOGIC CONTROLLER (PLC):** Integrated PLC controls the following functions:

- Automatic reversible controls designed by Cam-Concept for all truck movements,
- Heating controls with integrated burner safety features,
- Various traction and wheel features:
  - 2 or 4-wheel drive selection, high-speed or variable-speed cruising,
  - 4-wheel drive differential locking
- Smart interface gives user access to various controls and parameters:
  - Normal and standby temperature adjustments
  - Real-time display of fluid temperature.
  - Real-time analysis of sensors and probes from various internal systems,
  - WIFI, cellular or cable computer link software interface allows the operator to monitor all systems of the vehicle in operation as well as malfunction codes. The PLC also allows the manufacturer to troubleshoot and analyzes data in real time and if necessary, proceed with repairs remotely.

## **CONTROL PANELS**

- The ground control panel enable user to manage main engine functions, all heating systems, all movements of the ladder and bucket, all pumps, safety and emergency functions and much more.
- The bucket control panel enable user to manage main engine functions, heating systems, all movements of the ladder and bucket, all pumps, safety and emergency functions, steering, traction (2X4, 4X4, differential locking) and all systems related to fluid distribution.
- The displacement control panel manages the swivel console, the deadman, the joysticks, the steering and the return of the wheels to the centre.

**ACCESS PANELS:** Main components are accessible through multiple, strategically located lateral steel doors for easy operation and maintenance.

**STORAGE:** A large storage compartment is located in front of the vehicle.

**LIGHTING.** There are 4 powerful LED lights on the bucket, one on the bucket control panel and one at the rear end of the ladder.

**WARRANTY:** One-year parts and labor.

## **AVAILABLE OPTIONS :**

- Engine block heater 110 volts (HATZ)
- Smart battery charger
- Type 1 external hose with nozzle on automatic reel located in front of the truck for underwing spraying.
- Buzzer when truck is in movement
- Self pumping filling system for type 1 and 3-4 fluids, 2''quick attach for type 1 and 1''1/4 for type 3-4
- Sampling valve for type 1 and 3-4 fluids
- Integrated thermometer display for type 1 and 3-4 fluids in bucket
- Flow meter Fill Rite 1'' NPT (per unit)
- Cellular communication system to activate or deactivate the standby mode
- Hydraulic heater
- Arctic grade oil (-50C)
- Additional working lights on both sides
- Anti-skid paint on top of truck
- Fire extinguisher
- Stroboscopic lights
- Spare wheel
- 41' (RH44) ladder
- 15 minutes''Instant Heat''module
- Bucket protective cover,
- Type 1 and 3-4 filling hoses (for the self pumping option)
- VHF communication system
- Safety harness
- Extended 2 year warranty.
- Training
- Leasing available

For all sales inquiries, please contact Cam-Concept inc. at  
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