

THOMPSON MODEL “A” STEAMER SPECIFICATIONS - 2023

This specification is for a portable, low pressure, propane-fired steam boiler for melting ice in culverts, fire hydrants, drains, etc and is tested and approved by the Canadian Standards Association (CSA).

1. BOILER

Boiler shall operate at 10 to 15 PSIG.

An approved boiler pressure safety relief valve set at 15 PSIG shall be supplied.

Two (2) pressure gauges shall be supplied on the boiler, one facing each side of the steamer.

A water level indicator shall be supplied on the boiler.

2. HEATING CAPACITY

Maximum heat input shall be 160,000 BTUH.

3. PROPANE FACILITIES

The propane regulator and supply hoses shall be supplied and factory installed.

Mounting platform and ratchet-style tie straps with safety lock to secure one or two 100 lb. propane cylinders shall be supplied.

4. RESERVE WATER TANK

A 50 imperial gallon (227 litre) reserve water tank shall be supplied.

A heating system to preheat reserve water shall be supplied.

Two water level sight glasses shall be supplied.

Tank overflow and vent shall be supplied and vented in a safe location.

5. TRAILER

Boiler and reserve water tank shall be mounted on a welded steel trailer made from structural tubing.

Trailer shall be mounted on a leaf spring suspension with a minimum load rating of 3000 lbs.

A trailer tongue jack with a minimum capacity of 2,000 lbs. shall be supplied.

Trailer shall have 15” radial trailer tires and rounded steel fenders.

A 2” ball coupler **OR** a 3” drawbar shall be supplied (see optional equipment sheet for details).

Two 3/8” grade 70 chains and hooks with latches shall be supplied.

Rubber mounted tail lights and rear facing reflective conspicuity marking shall be supplied.

6. STEAM HOSE

100’ of 3/4” high pressure, wire reinforced steam hose complete with approved crimped fittings shall be supplied.

7. PAINT

Steamer shall be painted orange or yellow using industrial polyurethane paint.

8. PROPANE CYLINDER LIFTING SYSTEM

A system to lift the propane cylinder mounting platform from ground level to the operating height to protect workers from lift injuries shall be supplied.

9. TOOLBOX

A watertight, crushproof polypropylene toolbox with an internal volume of approximately 540 cubic inches (8900 cubic centimetres) and rated to -40 degrees C shall be secured to the frame in a convenient and safe location. A striker for lighting the steamer shall be included.