

**NEW
IMPROVED**



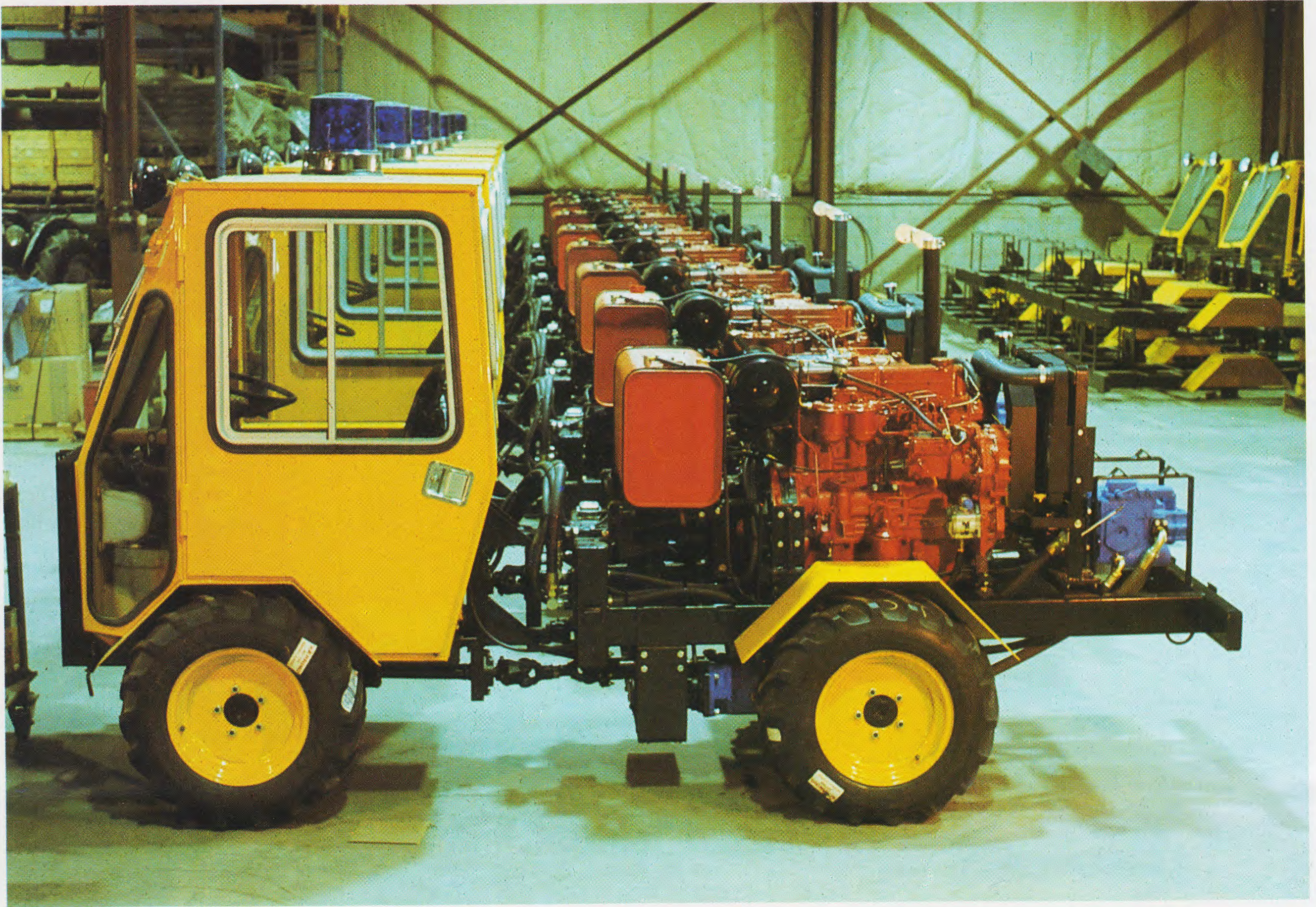
SERIES III DIESEL

municipal tractor



**HUNDREDS OF MUNICIPALITIES HAVE CHOSEN
THE POWERFUL, DEPENDABLE TRACKLESS MT
FOR ITS YEAR ROUND USES**

OUR LINEUP IS UNBEATABLE



THE TRACKLESS MT SERIES III DIESEL

The Trackless MT (Municipal Tractor) was designed from the ground up as an all season tractor for municipal use. With restricted budgets and the increasing cost of equipment it is necessary to use multi-use machines to maintain proper levels of service at reasonable cost.

Productivity per machine plus maintenance costs are as important as the original cost.

We, at Trackless Vehicles, are proud that over 200 municipalities have chosen the MT for their sidewalk snow removal, sweeping, grass and weed mowing. Many use the snow blower with truck chute to load snow.

Two main features that give the MT a big advantage over competition is:

1. A 254 cu. in. Ford diesel (almost twice as big as a competitor).
2. An Eaton hydrostatic transmission which is so important with a snow blower.

During hundreds of thousands of hours of operations we have improved various components and added several features as standard equipment.

To show you the advantage of the Trackless MT our dealers will be pleased to arrange a demonstration.



SPECIFICATIONS

ENGINE

Ford Model 2722 4 cycle Diesel 254 cu. inch (4.15 litre) displacement. 79 h.p. = 58.9 kW @ 2500 241 N•m @ 1500. Equipped with governor, thermostart, block heater, 8" dry air cleaner.

COOLING

6 blade 17" fan, cross flow radiator, cross flow oil cooler.

P.T.O. CLUTCH

Rockford 10" overcentre with ball bearing throw-out collar. Electric actuator controlled by switch on instrument panel.

P.T.O. REDUCTION BOX

90 h.p. helical gear box to convert engine speed to 540 r.p.m. P.T.O. speed.

TRANSMISSIONS

Eaton hydrostatic model 33 for infinitely variable speeds forward and reverse. Foot controlled. Trackless 100 h.p. 2 speed and neutral.

DRIVE SYSTEM

Hydrostatic transmission driven at engine speed. The matching hydrostatic motor is attached to the mechanical transmission which drives the front and rear axles giving constant four wheel drive.

AXLES

Dana Model 44 with Trac-Lok front and rear.

BRAKES

11" x 2" hydraulic drum type on front axle. Parking brake mechanical on front axle, warning buzzer denotes "on" when engine running.

WHEELS AND TIRES

15" diam x 10" wide rims with beadlock, tires Goodyear 29 x 12.00 x 15 Terra tires for traction and comfort. Winter grip or lawn type.

HYDRAULICS

Engine mounted 12 g.p.m. gear pump. Priority flow divider directs oil to hydrostatic steering control. Second flow divider directs oil to 3-spool valve which has one spool with float position. All oil returns through oil cooler and filter to tank. Reservoir has two internal screens with safety valves to feed transmission and auxiliary hydraulic system. Total hydraulic oil capacity approx. 15 U.S. gallons.

Lift cylinder double acting with float capability. Two pairs quick couplings mounted on front of cab for D.A. cylinders or hydraulic motors.

DRIVE TRAIN

Spicer and Rockwell.

STEERING

Articulated hydraulic steering 40° each way from centre. Steering wheel controlled.

FRAME

3 piece for articulation and oscillation. Side rails 5" x 2" x 1/4" rectangular tubing. Centre frame heat treated and hardened.

CAB

Certified ROPS type meets SAE J1040-C specifications. One man type, tinted tempered glass windows - 2 side and 1 rear sliding type. All windows can be removed with a sharp push for emergency exit. Seat - cloth covered, high back with adjustable Bostrom suspension. Horn, heater-defroster, 2-speed pantograph wiper, windshield washer, rear view mirror, dome light, neutral safety switch, sound deadening lining, seat belt, removable door and side panel, convenient controls.

LIGHTS

Two headlights, two tail lights with turn signals. Revolving flasher with sealed beam available in blue or amber. Turn signals with 4-way flashers. Back-up light.

INSTRUMENTS

Tachometer - hourmeter, ampmeter, water temperature, hydraulic oil temperature, oil pressure, internally illuminated.

FUEL TANK

16 Canadian = 20 U.S. gallons.

SPEEDS

Low range: 0-11 m.p.h. 0-17.5 km/h
High range: 0-25 m.p.h. 0-40 km/h

DIMENSIONS

Wheel base: 76"
Overall length: 144"
Overall height: 84"
Overall width: 50 1/2"

TURNING DIAMETER

Inside - approx. 12'

WEIGHT

Rear axle approx. 3000 lbs.
Front axle approx. 1740 lbs.
With blower and driver front axle approx. 3000 lbs.

FLAIL MOWER

The new Trackless Heavy Duty Flail Mower was re-designed to make it cut faster, last longer and be more economical to maintain. Only 33 of the new 2³/₄" wide blades cut a 74" width. Larger diameter rotor and blade assemblies produce a tip speed of over 100 m.p.h. Lawn type grass is cut velvet smooth and high weeds are mulched evenly for rapid deterioration. Newly designed push frame allows more flexibility. New anti-wrap shields protect rotor and roller bearings.

SPECIFICATIONS:

Cutting width: 74" Cutting height: 1-4"
Gauge wheels: 2 - 16" x 4" semi-pneumatic.
Gauge roller: 5" diameter steel full width.
Rotor tube: 4" diameter with 1⁷/₁₆" shaft.
Blades: 33 - 2³/₄" wide (can be resharpened).
Blade and rotor cutting diameter: 18".
Drive: PTO, gear box, cross shaft. 2 V-belts with spring loaded idler pulley.
Rear deflector: Reinforced rubber.
Linkage: Flexible for uneven ground.
Rotor speed: @ 540. PTO 1780 r.p.m.
Blade tip speed: @ 540. PTO: 8380 ft. per minute.

MOWER

The Trackless 60" Rotary Mower is ideal for lawn and park areas which are rock free. With four pneumatic-tired swivel casters and a flexible push frame, ground contours are followed which assures a very even cut.

SPECIFICATIONS:

Deck 3/16" steel
Spindles: 3 Timken bearing equipped (greaseable).
Blades: 3 - 21" suction type.
Swivel casters: 4 with 10¹/₂" diameter tube type tires.
Wheels: Ball bearing (greaseable).
Drive: PTO to gear box.
2 belts — 1 gear box to centre and left spindle.
1 gear box to centre and right spindle
Discharge: Rear or left side and rear.
Cutting heights: 1"-3" in 1/2" increments.
Width of cut: 60"

PICKUP SWEEPER

The Trackless Pickup Sweeper is ideal for sidewalk cleaning in the spring to remove the sand accumulation from winter. It is driven for one or more blocks and then carried over the curb at intersections and hydraulically dumped by a bottom gate. The intersection is crossed, the sweeper lifted over the curb and continues. Rubber skirting on the sides and front eliminate most of the dust but best results are achieved on a damp sidewalk.

SPECIFICATIONS:

Sweeping width: 48"
Main body dimensions: 53" W x 40" H x 50" L
Broom diameter: 32"
Casters: 3 swivel casters, hard rubber tires.
Dump: Bottom gate, hydraulic controlled.
Drive: PTO to gear box, shaft to right side, 60 chain to broom sprocket with idler sprocket.
Broom height: Adjustable for wear.
Capacity: Approx. 6 cu. ft.

POWER ANGLING SWEEPER

The Trackless Power Angling Hydraulic Driven Sweeper gives the operator precise control of the direction and amount of angle desired for different applications. A special push frame keeps the centre of the sweeping pattern in line with the centre of the MT in all positions. As well as the normal spring and fall sweeping programs, municipalities are using it for snow clearing in lighter snow falls and on inlaid brick to avoid damage.

SPECIFICATIONS:

Broom diameter: 32"
Broom width: 66"
Sweeping pattern at 30° angle: 50"
Hydraulic pump: 19 g.p.m. PTO driven
Hydraulic oil reservoir and filter.
Turn cylinder uses MT hydraulics.
Lift cylinder uses MT hydraulics.
Four built-in stands for broom protection in storage.



SNOW BLOWER

The Trackless MT and Blower combination is the ultimate in sidewalk snow removal. Heavy duty two-stage design, combined with three hydraulic controls puts the snow exactly where you want it. The quickly attached truck loading chute will load a 7 cu. yd. truck in 60 seconds.

Two reasons for its high output are:

1. The MT's 254 cu. in. (4.1 litre) 79 h.p. Ford diesel.
2. The MT's hydrostatic transmission

SPECIFICATIONS:

Housing: 51" wide x 38" high with $\frac{3}{8}$ " end plates.

Augers: 2 - 13" diameter spiral.

Impeller: 6" x 24" - 3 blade.

Impeller housing liner: 2 piece (replaceable).

Turn table: Ball bearing.

Chute rotator: Hydraulic motor and chain.

Chute deflector: Hydraulic cylinder controlled

Cutting edge: 6" x $\frac{3}{8}$ " hardened (reversible).

Shear bolts: On auger drive and main PTO drive.

Adjustable cutting height: Using top link.

Quick change truck loading chute: 8' 10" clearance.

Weight: 1,050 lbs.

H.P. Rating: 80.

ANGLE PLOW

The Trackless Power Angling Plow is best suited for moving snow away from buildings, fences, parking meters, etc. It can also be used for clearing larger areas such as parking lots.

SPECIFICATIONS:

Blade length: 60", 72", 84".

Blade height: 23".

Cutting edge: $\frac{1}{2}$ " x 6" hardened (replaceable).

Skid shoes: 2 adjustable.

Blade angling: 30° left or right by hydraulics.

Cylinders: 2 single acting with cushion valve.

Trip: Full blade trip, returns to upright position when blade assembly raised.

All three blades interchangeable on same push frame.

Down pressure may be used.

V PLOW

The Trackless V Plow is designed for higher speed plowing. Since it splits the snow into two banks it is recommended for residential areas. The tapered nose and flexibility allows it to ride over sidewalk cracks and remain flat. The rearward taper of the cutting edges minimizes damage to turf.

SPECIFICATIONS:

Width at bottom: 49", at wings 51".

Height at nose: 28", at wings 35".

Cutting edge: $\frac{1}{2}$ " x 6" hardened (replaceable).

Nose edge: $\frac{1}{2}$ " hardened plate (replaceable).

Down pressure may be used.



TRACKLESS VEHICLES LTD.

BOX 100, COURTLAND, ONTARIO, CANADA

A PICTURE IS WORTH A THOUSAND WORDS



PURCHASES:	1975 1 MT Gas	1976 1 MT Gas
	1978 3 MT III	1979 2 MT III
	1980 2 MT III	1982 2 MT III
	1983 1 MT III	1984 1 MT III

A 13 UNIT FLEET CONVERSION IN 9 YEARS



TRACKLESS VEHICLES LTD.

BOX 100, COURTLAND, ONTARIO, CANADA N0J 1E0

PHONE (519) 422-4400 or 422-7452

Due to our policy of continuous product improvement, specifications are subject to change without notice.

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