

Vermeer[®]
Compost Turner

CT 1010TX



More Waste in Less Space

Meet the Vermeer CT1010TX, our largest compost turner. With a patented elevating face, the CT1010TX lifts, aerates and processes organic material — and the optional conveyor allows continuous stacking to save you space.

The elevating face turner lifts the compost up and over the top, completely inverting the windrow. This method minimizes material degradation and helps introduce more oxygen, speeding up the decomposition process.

The elevating face tooth design helps extend tooth life. Each of the 517 teeth is mounted with two 3/8" (.9 cm) bolts. Should the tooth strike hard material or the ground, one bolt will shear while the second serves as a retainer to help minimize tooth damage or teeth lost in the compost pile.

To find out how the CT1010TX can help you increase production and make better use of your space, contact your local dealer for more information.

Make the Most of Your Space with Continuous Stacking.



Patented elevating face

Elevating face technology gently inverts compost, whether it's in a continuous stack or a 20' (6.1 m) wide by 9' (2.7 m) high windrow configuration. It also allows the machine to be used on compost sites with either continuous stack or windrow designs.



SmartTrack

An advanced control system monitors the elevating face, and the optional conveyor pressures and will slow or stop the ground drive when the pressure reaches a predetermined level. This feature can increase machine and jobsite productivity by reducing operator interface.



Single-touch on / off control

A single switch starts the conveyor, then starts the elevating face three seconds later. This staggered start prevents conveyor plugging and saves time by reducing the need to clean the conveyor manually. Pressing the switch again stops the elevating face and then stops the conveyor three seconds later.

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Hydraulic reversing fan

A reversible hydraulic motor-driven fan automatically changes direction to clear debris from the radiator screen. The operator can choose the frequency and duration of the reverse function, minimizing the possibility of engine overheating due to debris buildup on the radiator screen.



Two-speed ground drive

Planetary track-drive system provides speeds from 6.5 fpm (2 m/min) in work mode to 3.2 mph (5.1 km/hr) in transport mode. Transport and cycle times are reduced in the high-speed range, while the low-speed range provides more control in wet, heavy material.



CT1010TX Feature Specifications

General Dimensions and Weight

Maximum length (transport): 17.9' (5.5 m)
Maximum length (operation): 20' (6.1 m)
Maximum width (transport): 12' (3.7 m)
Maximum width (operation): 25.1' (7.6 m)
Maximum height (transport): 12.3' (3.8 m)
Base weight: 43,000 lb (19,504.5 kg)
Weight with optional conveyor: 48,000 lb (21,772.4 kg)

Engine

Manufacturer: Cummins
Model: QSB6.7 L
Cylinders: 6
Horsepower: 215 hp (160.3 kW)
Torque: 655 ft-lb (888.1 Nm)
Fuel tank capacity: 120 gal (454.3 L)
Fuel type: Diesel
Air cleaner type: 2-stage canister
Coolant capacity (engine and radiator): 7.3 gal (27.7 L)
Alternator: 100 amp
Fan: Hydraulic

Capacities

Maximum windrow width: 20' (6.1 m)
Maximum windrow height: 9' (2.7 m)

Hydraulic System

Tank capacity: 123 gal (465.6 L)

Conveyor Drive

Pump flow @ max rpm: 43 gpm (162.8 L/min)
System relief pressure: 3500 psi (241.3 bar)

Turning System

Face type: Elevating face
Face width: 10' (3 m)
Face height: 10' (3 m)
Paddle type: Angle iron
Paddle dimensions: 3.5" x 6"
(8.9 cm x 15.2 cm)
Paddle quantity: 96
Teeth type: Cup cutter
Teeth quantity: 517
Maximum ground clearance: 10" (25.4 cm)
Bearing quantity: 32
Bearing type: Sealed

Discharge Conveyor System

Conveyor type: Belt
Belt length: 24' (7.3 m)
Belt width: 48" (121.9 cm)
Splice: Stainless
Return roller quantity: 4
Drive roller diameter: 17" (43.2 cm)
Belt speed: 780 fpm (237.7 m/min)
Stacking height: 10.5' – 13.5' adjustable
(3.2 m – 4.1 m)

Implement

Pump flow @ max rpm: 10 gpm (37.9 L/min)
System relief pressure: 3000 psi (206.8 bar)

Face Drive

Pump flow @ max rpm: 61 gpm (230.9 L/min)
System relief pressure: 3500 psi (241.3 bar)

Fan Drive

Pump flow @ max rpm: 28 gpm (106 L/min)
System relief pressure: 3000 psi (206.8 bar)

Electrical System

System voltage: 12 V
Battery type: 2 – 950 CCA

Tracks

Track type: D4 triple grouser
Track width: 24" (61 cm)
Type of idler: Roller
Pump flow @ max rpm: 43 gpm each
(162.7 L/min)
System relief pressure: 5000 psi (344.7 bar)
High-speed travel: 3.2 mph (5.1 km/h)
Low-speed travel: 6.5 fpm (2 m/min)
Left track length on ground: 85.2" (216.4 cm)
Left track ground-bearing pressure — soft ground: 15.2 psi (1.05 bar)
Left track roller quantity: 6
Right track length on ground: 57.6" (146.3 cm)
Right track ground-bearing pressure — soft ground: 14.34 psi (1 bar)
Right track roller quantity: 3



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Vermeer parts are designed and manufactured to original specifications, or whether they're new parts or replacement parts, they'll live up to the Vermeer name.



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