

Vermeer®

Horizontal Grinders

HG6000 HG6000TX



Reduce, Recycle.

The HG6000 and HG6000TX horizontal grinders from Vermeer offer productivity and efficiency to your organic waste recycling. Building on over a decade of grinder research and development, the HG6000 and HG6000TX are loaded with performance-enhancing features. These machines package innovation, power, and safety-conscious solutions for large-scale reduction and recycling of green waste and storm debris.

The HG6000 is equipped with a fifth-wheel towing configuration that includes high-strength, lightweight aluminum wheels with 385/65R22.5 radial tires to improve onsite mobility and provide increased ground clearance.

The HG6000TX features a Vermeer track undercarriage with 20"- (50.8-cm) or 24"- (61-cm) wide double-grouser track pads using sealed track rollers and compressed coil springs to provide protection against debris buildup in the track system.



The one and only Duplex Drum!

The patented Duplex Drum cutting system offers optimum cutting performance and simplified maintenance. In addition, it offers the latest technology in hammer design and replacement procedures in the industry. Maintenance time is reduced due to easy hammer- and cutter-block changeout. And, hammers and cutter blocks are reversible, therefore nearly doubling hammer life.



The ColorMaster® CM101 coloring system converts low-value wood waste into profitable, color-enhanced landscaping mulch. The CM101 attaches to the fender of any trailered Vermeer horizontal grinder model. A pump, two spray bars, and up to 19 colorant nozzles, powered by the grinder's hydraulic system, fuse liquid colorant into the wood fiber providing optimum coloring.

Horizontal Grinders

600TX

Grinding Its Way To The Top



Grinding Innovation

From an Industry Leader



The innovative HG6000 / HG6000rx features the Thrown Object Deflector (TOD). The TOD reduces the quantity and distance of thrown material debris. Additionally, the TOD is strategically positioned to reduce interference when loading over-length material.



State-of-the-art wireless remote control units allow the operator to run most machine functions away from the machine. Remote controls are non-tethered with a maximum working range up to 300' (91.4 m).



The standard microprocessor-controlled HPTO clutch is designed to control the starting sequence with the push of a button — no need to bump a clutch. Minimal operator interface is required to initiate the grinding process.





Easy access screens are engineered with a top-loading design to allow operators to change screens more easily, and in less time, than conventional screens. A fully hydraulic, moving hammermill / screen cover is easily positioned over the feed table to allow maximum workspace when servicing the mill or changing screens.



The patented SmartGrind system and hydraulic feed roller down pressure keep material moving so that loading speed and productivity are maximized. Open-ended, wide feed tables are designed to make over-the-side loading easy and efficient.



The HG6000tx blower system is designed for use in clean wood applications. This optional blower features 140-degree rotation and tilt adjustment via remote control to distribute processed material over a large area or into the rear of a chip-hauling trailer. The blower features a heavy-duty impeller assembly with replaceable wear plates and convenient service access.



HG6000 Feature Specifications

General

Weight: 56,000 lb (25,401.2 kg)
 Transportation length: 44' (13.4 m)
 Width: 98" (248.9 cm)
 Height: 13.4' (4.1 m)
 Ground clearance: 15" (38.1 cm)

Hammermill

Rotor diameter: 37" (94 cm)
 Rotor cutting length: 62" (157.5 cm)
 Rotor speed: 1050 rpm
 Number of hammers: 10
 Number of cutter blocks: 20
 Hammer tooth: Multiple styles / sizes
 Screen options: Multiple styles / sizes
 Anvil: Carbide-faced, removable

Engine

Model: C18 Tier 3 CAT
 Aspiration: Turbocharged and air-to-air charge-cooled
 Number of cylinders: 6
 Full-load gross hp: 630 hp (469.8 kW)
 Cooling medium: Liquid
 Air cleaner: Dry-type, with primary and secondary elements and restriction indicator
 Oil filter: Full-flow
 Electrical system: 24 V starting
 Fuel tank capacity: 300 gal (1135.6 L)
 Fuel consumption @ full load: 34.6 gph (131 L/h)
 Operation range: 10.5 hrs @ full load (approx.)

Drive Line

Hydraulic-operated wet-clutch with auxiliary PTO

Controls

Full-function operator's station with standard radio remote
 Radio remote control functions:
 Feed roller rotation, forward and reverse
 Feed roller raise
 Feed roller down-pressure control
 Feed table direction, forward and reverse
 TOD raise / lower
 SmartGrind on / off
 Throttle control
 Emergency stop
 Fan forward / reverse

Infeed System

Feed roller diameter: 36" (91.4 cm)
 Feed roller width: 60" (152.4 cm)
 Feed roller tooth style: Sawtooth
 Feed roller raise height: 44" (111.8 cm)
 Feed roller down-pressure: Hydraulic, adjustable
 Feed roller length: 20' (6.1 m)
 Feed throat height: 32" (81.3 cm)
 Feed table width: 60" (152.4 cm)
 Feed table length: 20' (6.1 m)
 Feed conveyor type: Formed alloy slat chain
 Hopper load height: 98" (248.9 cm) (includes replaceable extensions)
 Hopper sidewall height: 30" (76.2 cm) (includes replaceable extensions)

Discharge

Conveyor type: One-piece Chevron cleated belt
 Belly conveyor width: 48" (121.9 cm)
 Belly conveyor length: 13' (4 m)
 Loadout conveyor width: 30" (76.2 cm)
 Loadout conveyor length: 28' (8.5 m)
 Discharge height: up to 17' (5.2 m)

Trailer

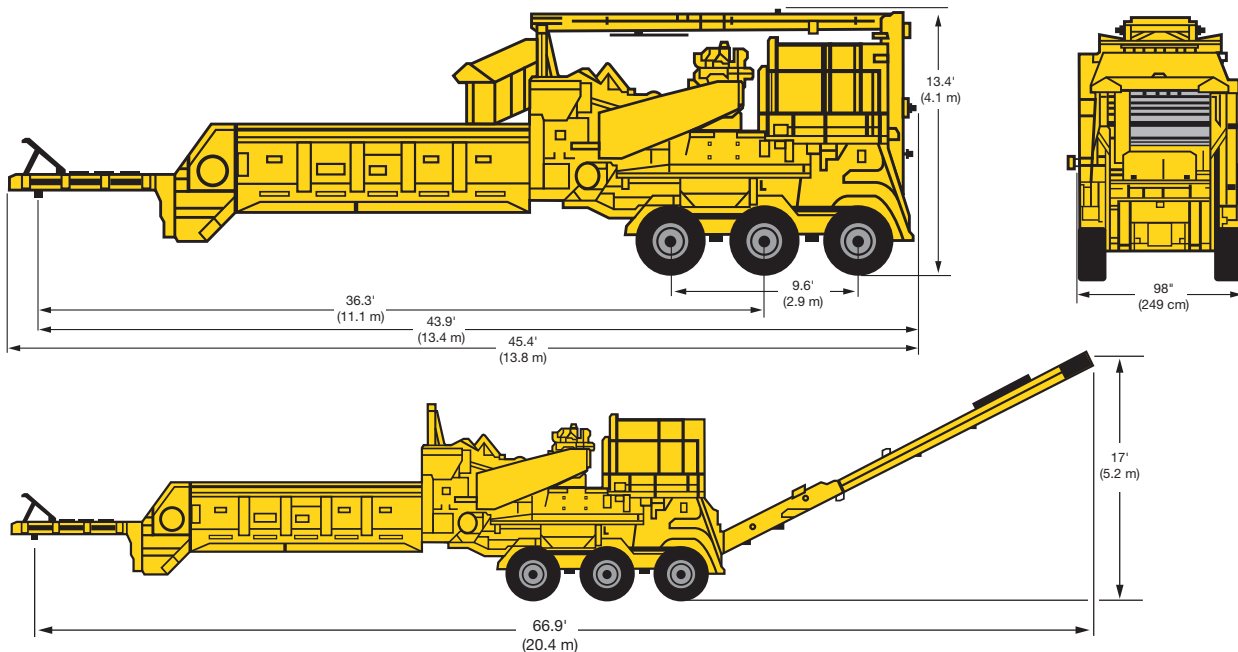
Axle rating: 25,000 lb (11,339.8 kg)
 Number of axles: 3
 Tire size: 385 / 65R22.5
 Brakes: Air-actuated
 Tongue weight: 12,000 lb (5443.1 kg)
 Hitch type: 5th wheel
 Stabilizer: Single-front hydraulically actuated

Hydraulic System

Implement
 Type: Pressure and flow compensated
 Oil tank capacity: 100 gal (378.5 L)
 Oil type: HyPower 68
 Fan drive
 Type: Hydraulic open loop
 Oil type: HyPower 68

Options

Hydraulic auto-reversing fan
 Magnetic tail pulley
 Air compressor: 30 gal (113.6 L)
 Kohler 12.5 hp (9.3 kW) gas engine
 CM101 coloring system, self-contained, fender-mounted package
 Spray bars: 2 with 19 nozzles total
 Flow / pressure: Up to 100 gpm (378.5 L/min), 20 psi (1.4 bar)



HG6000tx Feature Specifications

General

Weight: 67,000 lb (30,390.7 kg) standard
72,000 lb (32,658.7 kg) with optional
20' (6.1 m) table
Transportation length: 41' (12.5 m) standard
46.3' (14.1 m) with optional 20' (6.1 m) table
Width: 100" (254.2 cm) with 20" (50.8 cm) pads
106" (269.2 cm) with 24" (61 cm) pads
Height: 11.5' (3.5 m)

Hammermill

Rotor diameter: 37" (94 cm)
Rotor cutting length: 62" (157.5 cm)
Rotor speed: 1050 rpm
Number of hammers: 10
Number of cutter blocks: 20
Hammer tooth: Multiple styles / sizes
Screen options: Multiple styles / sizes
Anvil: Carbide-faced, removable

Engine

Model: C18 Tier 3 CAT
Aspiration: Turbocharged and air-to-air
charge-cooled
Number of cylinders: 6
Full-load gross hp: 630 hp (469.8 kW)
Cooling medium: Liquid
Air cleaner: Dry-type, with primary and secondary
elements and restriction indicator
Oil filter: Full-flow
Electrical system: 24 V starting
Fuel tank capacity: 300 gal (1135.6 L)
Fuel consumption @ full load: 34.6 gph (131 L/h)
Operation range: 10.5 hours @ full load (approx.)

Drive Line

Hydraulic-operated wet-clutch with auxiliary PTO

Controls

Full-function operator's station with standard
radio remote
Radio remote control functions:
Feed roller rotation, forward and reverse
Feed roller raise
Feed roller down-pressure control
TOD raise / lower
SmartGrind on / off
Variable infeed speed (roller and table)
Two-speed track drive
Blower controls (tilt, rotate, telescope)
Throttle control
"Real time" engine data
Emergency stop
Fan forward / reverse

Infeed System

Feed roller diameter: 36" (91.4 cm)
Feed roller width: 60" (152.4 cm)
Feed roller tooth style: Sawtooth
Feed roller raise height: 44" (111.8 cm)
Feed roller down-pressure: Hydraulic,
adjustable
Feed throat height: 32" (81.3 cm)
Feed table width: 60" (152.4 cm)
Feed table length: 14' (4.3 m) Optional 20' (6.1 m)
Feed conveyor type: Formed alloy slat chain
Hopper load height: 88" (223.5 cm)
Hopper sidewall height: 30" (76.2 cm) (includes
replaceable extensions)

Discharge

Conveyor type: One-piece Chevron cleated belt
Conveyor width: 48" (121.9 cm)
Loadout conveyor length: 14' (4.3 m)
Discharge height: 11.3' (3.4 m)

Undercarriage

Track frame: Rigid frame, reinforced box section
Length: 11.8' (3.6 m) centerline to centerline
Track pad type: D5 double grouser
Track pad quantity: 52
Track pad width: 20", 24" (50.8 cm, 61 cm)

Hydraulic System

Implement
Type: Pressure and flow compensated
Oil tank capacity: 125 gal (473.2 L)
Oil type: HyPower 68
Fan drive
Type: Hydraulic open loop
Oil type: HyPower 68
Track drive
Type: Hydraulic closed loop

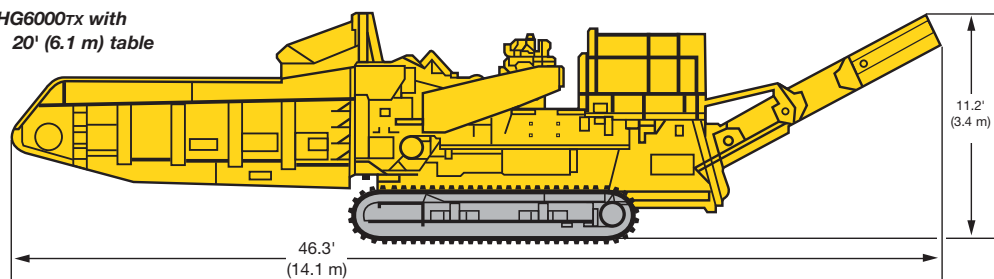
Ground Drive

Type: Dual path hydrostatic drive with
planetary transmission
Ground speed: 0 – 2 mph (0 – 3.2 km/h)
Ground pressure: 20" (50.8 cm) pads – 11 psi
(.8 bar) soft surface, 51 psi (3.5 bar) hard
surface; 24" (61 cm) pads – 9 psi (.6 bar)
soft surface, 42 psi (2.9 bar) hard surface

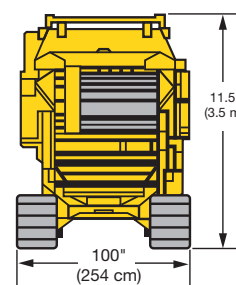
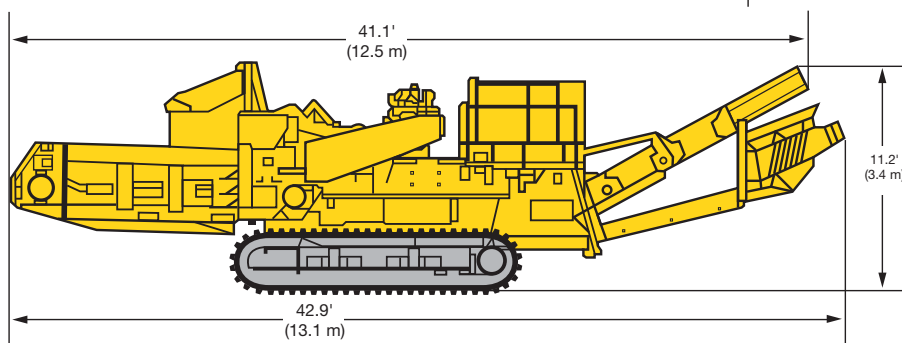
Options

Hydraulic auto-reversing fan
Magnetic tail pulley
Air compressor: 30 gal (113.6 L),
Kohler 12.5 hp (9.3 kW) gas engine
Infeed table: 14' (4.3 m) or 20' (6.1 m)
Blower system:
Weight: 3050 lb (1383.5 kg)
System pressure: 3000 psi (206.8 bar)
Angle of rotation: 140° total
5 impellers
Distance capability 0' – 125' (0 m – 38.1 m)

HG6000tx with
20' (6.1 m) table



HG6000tx with
14' (4.3 m) table



Your Complete Global Service Provider for Quality Parts and Service.



Get the parts and service edge. In addition to providing quality equipment, Vermeer delivers top-quality parts and superior services. Vermeer parts are manufactured to exacting specifications to help keep your Vermeer equipment running trouble-free and at OEM specifications.



Vermeer offers factory-certified training programs to its dealer network to ensure that the most current service procedures are presented to the service personnel of your Vermeer dealer.



Genuine Vermeer parts are precision-crafted to match your Vermeer equipment EXACTLY. This ensures that your system will run as smoothly as possible, with the least amount of service and maintenance.



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Building Industry Partnerships to Serve You Better.

Vermeer has forged strong strategic alliances with tree industry giants that include Sherrill Incorporated and ArborMaster Training. These alliances ensure that top-quality industry support is the standard at Vermeer dealerships. Membership with the TCIA and ISA helps Vermeer stay in touch with the customers it serves and the issues they face.



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