

Vermeer®

Horizontal Grinders

HG 6000 HG 6000TX



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.



*Series II duplex drum
With reversible hammers and cutter blocks, this drum offers nearly double the life of single-sided designs, producing optimum cutting performance and simplified maintenance.*



The ColorMaster® CM101 coloring system converts ordinary wood waste into profitable, color-enhanced landscaping mulch. The CM101 attaches to the fender of the trailed HG6000. 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

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Grinding Its Way To The Top



Grinding Innovation

From an Industry Leader



The innovative HG6000 / HG6000tx 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: 45.4' (13.8 m)
 Width: 98" (248.9 cm)
 Height: 13.4' (4.1 m)
 Ground clearance: 15" (38.1 cm)

Hammermill

Drum diameter: 30" (76.2 cm)
 Tip diameter: 37" (94 cm)
 Drum cutting width: 62" (157.5 cm)
 Drum speed: 1050 rpm
 Number of hammers: 10
 Number of cutter blocks: 20
 Anvil: Carbide-faced, removable

Engine

Model: Caterpillar C18 Tier 3
 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: Primary and secondary elements with restriction indicator
 Oil filter: Spin-on
 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: 8.6 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 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: Two-piece
 Belly conveyor width: 48" (121.9 cm)
 Belly conveyor length: 13' (4 m)
 Loadout conveyor width: 30" (76.2 cm)
 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

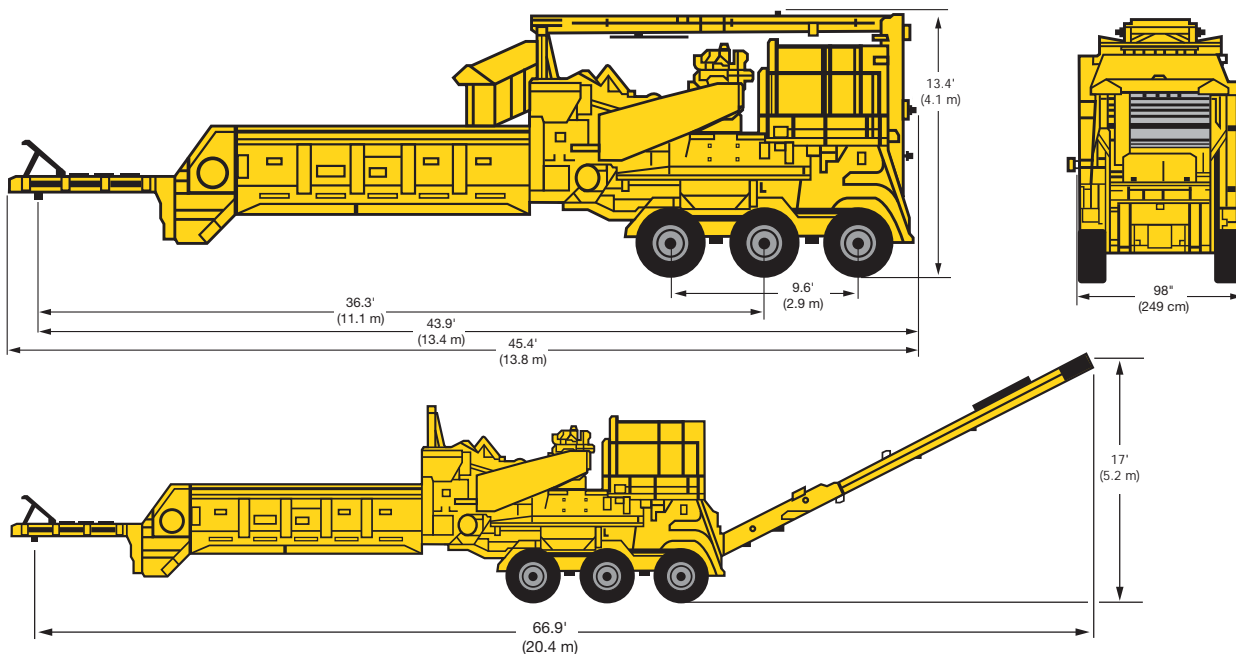
Type: Pressure- and flow-compensated
 Oil tank capacity: 100 gal (378.5 L)
 Oil type: Vermeer HyPower 68

Fan drive

Type: Hydraulic open loop
 Oil type: Vermeer HyPower 68

Options

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
 Exhaust with spark arrester
 Screens
 Special paint
 Extended warranties
 Torque wrenches



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

Drum diameter: 30" (76.2 cm)
Tip diameter: 37" (94 cm)
Drum cutting width: 62" (157.5 cm)
Drum speed: 1050 rpm
Number of hammers: 10
Number of cutter blocks: 20
Anvil: Carbide-faced, removable

Engine

Model: Caterpillar C18 Tier 3
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: Primary and secondary elements
with restriction indicator
Oil filter: Spin-on
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: 8.6 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 v-cleated belt
Conveyor width: 48" (121.9 cm)
Discharge height: 11.2' (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: Vermeer HyPower 68
Fan drive
Type: Hydraulic open loop
Oil type: Vermeer HyPower 68
Track drive
Type: Hydrostatic closed loop

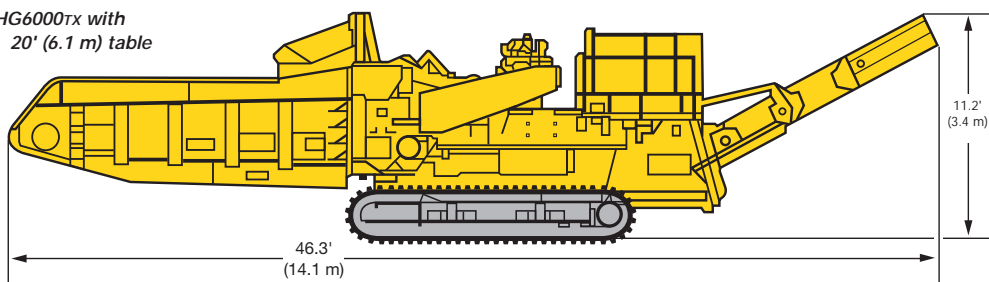
Ground Drive

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

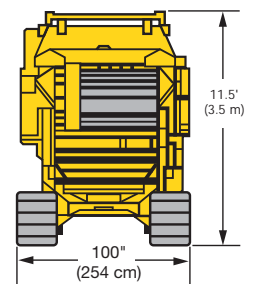
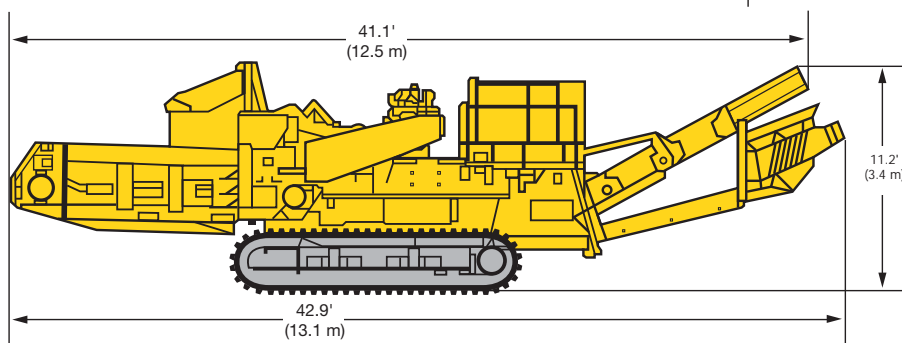
Options

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
Exhaust with spark arrestor
Heavy-duty infeed chain
Screens
Special paint
Extended warranties
Torque wrenches

HG6000Tx with
20' (6.1 m) table



HG6000Tx with
14' (4.3 m) table



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



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