

# 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

**00TX**

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

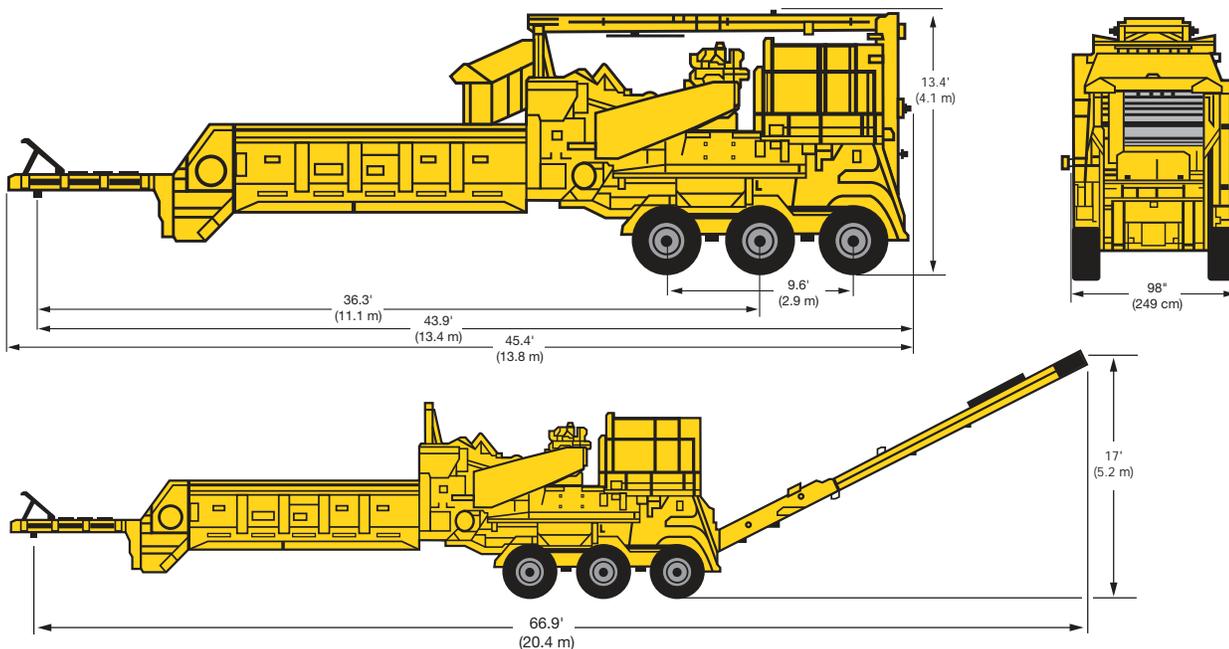
Type: Pressure- and flow-compensated  
 Oil tank capacity: 100 gal (378.5 L)  
 Oil type: Vermeer HyPower 68

### 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

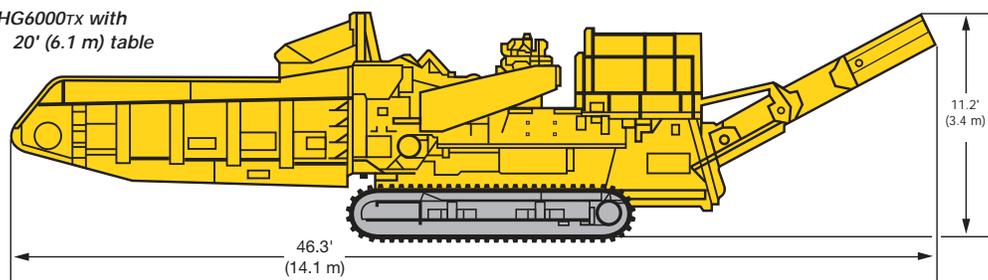
## Ground Drive

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

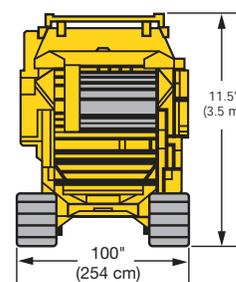
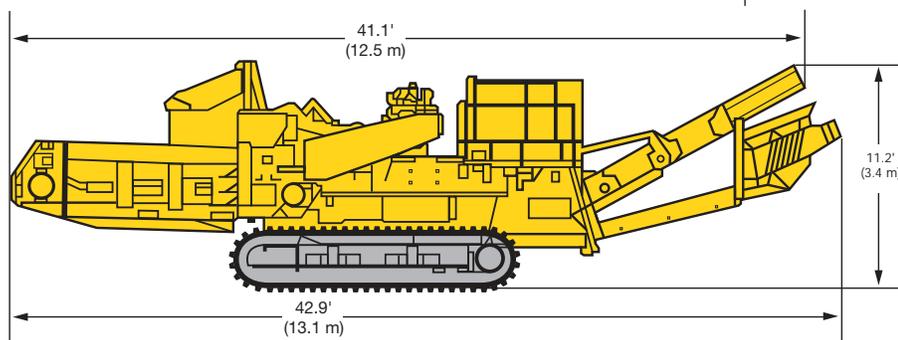
## Options

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



# The Vermeer dealer network: Reliable support, all over the world.



*With nearly 200 locations across the globe - you're never far from an independent, authorized Vermeer dealer. Our dealers are in place to support your success with product expertise that's second to none.*



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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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## Building Industry Alliances 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 NAA and ISA helps Vermeer stay in touch with the customers it serves and the issues they face.*



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