

# Vermeer®

Horizontal Grinders

# HG-8000/ HG8000TX





## Open up big opportunities.

The HG8000 / HG8000TX horizontal grinders from Vermeer boast the largest infeed opening in their class, helping to increase your productivity and expand job possibilities.

Powered by a 1050-hp (783 kW) CAT Tier 2 engine, these units handle big diameter wood and large, brushy debris with ease. Plus, its innovative design incorporates several features to help reduce material spillage and jobsite cleanup time.

The HG8000 is equipped with a fifth-wheel towing configuration and is available with either super single or dual wheels, while the HG8000TX features a tracked undercarriage with 28" (71.1 cm) wide double or triple-grouser track pads.

Both grinders feature dual-sided reversible hammers and cutter blocks that provide increased cutting performance, lower maintenance, and nearly double the life of single-sided designs. A replaceable mill liner fully lines the sides, floor, and underside of the feed roller carrier, helping protect structural integrity. Liners can also be easily replaced when their wear limit is reached.

Designed to tackle tough jobs, the HG8000 and HG8000TX enable productivity for the long-haul.



*Large infeed*  
At 50" (127 cm) high by 71.5" (182 cm) wide, the HG8000 / HG8000TX have the largest infeed openings of any horizontal grinders on the market. Plus, they feature a low-speed, high-torque infeed conveyor drive motor for powerful feeding and a reinforced, heavy-duty alloy conveyor chain. Operators are able to process greater volumes of material and larger product usually reserved for a tub grinder.



*Wide loadout conveyor*  
At 14 to 18' (4.3 to 5.5 m) discharge height for the HG8000, 14.5' (4.4 m) for the HG8000TX, the 66" (168 cm) wide loadout conveyors are the widest around. This allows for greater volume of processing with less chance of spillage or plugging.





Horizontal Grinders

**OTX**

## Grinding Its Way To The Top





# Grinding Innovation

*From an Industry Leader*



## *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.*



## *SmartGrind*

*Three preset grinding settings: aggressive, general, and regrind reduce operator training time and result in more consistent end product. A fourth setting can be customized for specific product needs.*



## *Dual planetary feed roller drive*

*For added torque and greater processing power, the large feed roller features dual planetary drive motors.*







#### *Screen hoist*

*The on-board screen handler system is unique to the HG8000 / HG8000TX and comes with either a manual or optional pneumatic hoist to help operators save time with easy screen changes.*



#### *Replaceable anvil*

*The heavy-duty anvil structure features a 2" (5 cm) top plate with a 1" (2.5 cm) replaceable wear surface. The entire anvil is replaceable from ground-level in the event of damage from a contaminant. All of the hardware used to secure the anvil is located outside the machine away from the material wear path.*



#### *Remote control*

*In addition to most machine functions, the discharge height is adjustable via remote control (trailer unit only), a feature unique to the industry that helps keep operators productive and the machine working efficiently.*



# HG8000 Feature Specifications

## General

Weight: 102,000 lb (46,266.4 kg)  
 Length (transport): 49.5' (15.1 m)  
 Length (operational) : 62.9' (19.2 m)  
 Width: 11.9' (3.6 m)  
 Height: 13.5' (4.1 m)  
 Sound power: 104.5 dB(A) at operator's station

## Hammermill

Drum diameter: 42" (106.7 cm)  
 Tip diameter: 52" (132.1 cm)  
 Drum cutting width: 72" (182.9 cm)  
 Drum skin thickness: 1.25" (3.2 cm)  
 Drum speed: 1000 rpm  
 Number of hammers: 12  
 Number of cutters: 24  
 Screen weight: 600 lb – 800 lb  
 (272.2 kg – 362.9 kg)  
 Screen dimensions: 38" x 73"  
 (96.5 cm x 185.4 cm)  
 Number of screens: 2  
 Anvil: Alloy steel

## Engine

Make / model: Caterpillar C27 Tier 2  
 Aspiration: Turbocharged and air-to-air  
 charge-cooled  
 Number of cylinders: 12  
 Horsepower (gross): 1050 hp (783 kW)  
 Cooling medium: Liquid  
 Air cleaners: Three primary and  
 secondary with precleaners  
 Oil filter: Dual spin-on  
 Electrical system: 24 V, 75 Amp  
 Fuel tank capacity: 400 gal (1514.2 L)  
 Fuel consumption at full load: 51.3 gph  
 (194.2 L/hr)  
 Operation range: 7.5 hrs @ full load (approx.)

## Drive Line

Hydraulically-operated wet clutch with  
 integrated PTO

## Controls

Full-function operator's station with remote  
 control standard  
 Remote control standard functions:  
 Feed roller rotation (reverse)  
 Feed conveyor (reverse)  
 Feed roller (raise / float / crush)  
 TOD (raise / lower)  
 Loadout conveyor (raise / lower)  
 AutoFeed (on / off and mode selection  
 – SmartGrind / AutoReverse)  
 Machine parameters (adjust / set)  
 Throttle control  
 Real-time engine and machine  
 performance data  
 Service faults  
 Radiator cooling fan (forward / reverse)  
 Engine stop

## Infeed System

Feed roller diameter: 48" (121.9 cm)  
 Feed roller width: 66.5" (168.9 cm)  
 Feed roller tooth style: Serrated bars  
 Feed roller raise height: 75" (190.5 cm)  
 Feed roller down pressure: Hydraulically  
 adjustable  
 Feed throat height: 50" (127 cm)  
 Feed table width: 71.5" (181.6 cm)  
 Feed table length: 24' (7.3 m)  
 Feed conveyor type: Welded slat chain  
 Hopper load height: 8.7' (2.6 m)

## Discharge

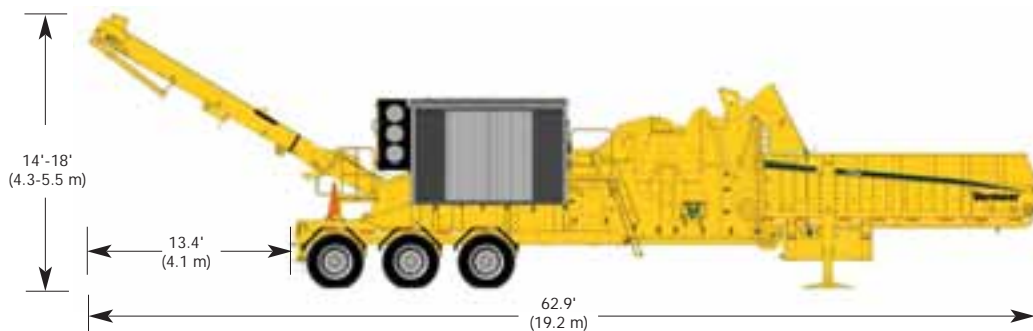
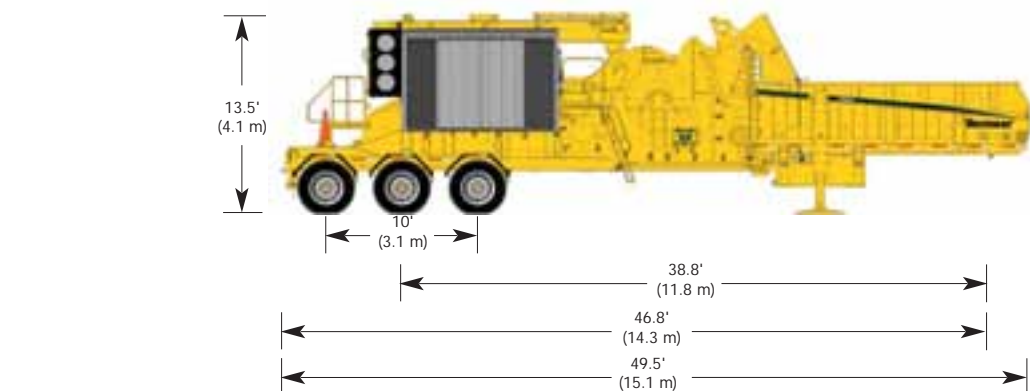
Conveyor type: Viper 330# with V-cleat  
 Conveyor belt width: 66" (167.6 cm)  
 Discharge height: 14' – 18' (4.3 m – 5.5 m)

## Hydraulic System

Implement  
 Type: Open loop  
 Oil tank capacity: 100 gal (378.5 L)  
 Oil type: Vermeer HyPower 68  
 Fan drive  
 Type: Hydrostatic  
 Oil type: Vermeer HyPower 68

## Options

Screens  
 Special paint  
 Extended warranties  
 Preventive maintenance packages  
 Air compressor  
 Water pump system for fire protection  
 Magnetic discharge conveyor pulley  
 Air operated or manual screen hoist  
 Abrasion resistant mill liner package  
 Dual steel or super single  
 aluminum trailer wheels





# HG8000Tx Feature Specifications

## General

Weight: 125,000 lb (56,699 kg)  
 Length (transport): 50.6' (15.4 m)  
 Length (operational): 58.5' (17.8 m)  
 Width: 12' (3.7 m)  
 Height: 12' (3.7 m)  
 Sound power: 104.5 dB(A) at operator's station

## Hammermill

Drum diameter: 42" (106.7 cm)  
 Tip diameter: 52" (132.1 cm)  
 Drum cutting width: 72" (182.9 cm)  
 Drum skin thickness: 1.25" (3.2 cm)  
 Drum speed: 1000 rpm  
 Number of hammers: 12  
 Number of cutters: 24  
 Screen weight: 600 lb – 800 lb  
 (270.2 kg – 362.9 kg)  
 Screen dimensions: 38" x 73"  
 (96.5 cm x 185.4 cm)  
 Number of screens: 2  
 Anvil: Alloy steel

## Engine

Make / model: Caterpillar C27 Tier 2  
 Aspiration: Turbocharged and air-to-air  
 charge-cooled  
 Number of cylinders: 12  
 Horsepower (gross): 1050 hp (783 kW)  
 Cooling medium: Liquid  
 Air cleaners: Three primary and secondary  
 with precleaners  
 Oil filter: Dual spin-on  
 Electrical system: 24 V, 75 Amp  
 Fuel tank capacity: 500 gal (1895.7 L)  
 Fuel consumption at full load: 51.3 gph  
 (194.2 L/hr)  
 Operation range: 9.5 hrs @ full load (approx.)

## Drive Line

Hydraulically-operated wet clutch with  
 integrated PTO

## Controls

Full-function operator's station with remote  
 control standard  
 Radio remote control functions:  
 Feed roller rotation (reverse)  
 Feed conveyor (reverse)  
 Feed roller (raise / float / crush)  
 TOD (raise / lower)  
 AutoFeed (on / off and mode selection  
 – SmartGrind / AutoReverse)  
 Machine parameters (adjust / set)  
 Throttle control  
 Real-time engine and machine  
 performance data  
 Service faults  
 Radiator cooling fan (forward / reverse)  
 Engine stop  
 Tracks (forward / reverse)

## Infeed System

Feed roller diameter: 48" (121.9 cm)  
 Feed roller width: 66.5" (168.9 cm)  
 Feed roller tooth style: Serrated bars  
 Feed roller raise height: 75" (190.5 cm)  
 Feed roller down pressure: Hydraulically  
 adjustable  
 Feed throat height: 50" (127 cm)  
 Feed table width: 71.5" (181.6 cm)  
 Feed table length: 24' (7.3 m)  
 Feed conveyor type: Welded slat chain  
 Hopper load height: 8.3' (2.5 m)

## Discharge

Conveyor type: Viper 330# with V-cleat  
 Conveyor width: 66" (167.6 cm)  
 Discharge height: 14.5' (4.4 m)

## Undercarriage

Track frame: Rigid frame, reinforced box  
 section  
 Length: 15.4' (4.7 m)  
 Track pad type (option 1): 28" (71.1 cm) wide  
 with double grouser  
 Track pad type (option 2): 28" (71.1 cm) wide  
 with triple grouser  
 Track pad quantity: 58 per track

## Hydraulic System

Implement  
 Type: Open loop  
 Oil tank capacity: 100 gal (378.5 L)  
 Oil type: Vermeer HyPower 68

## Fan Drive

Type: Hydrostatic  
 Oil type: Vermeer HyPower 68

## Ground Drive

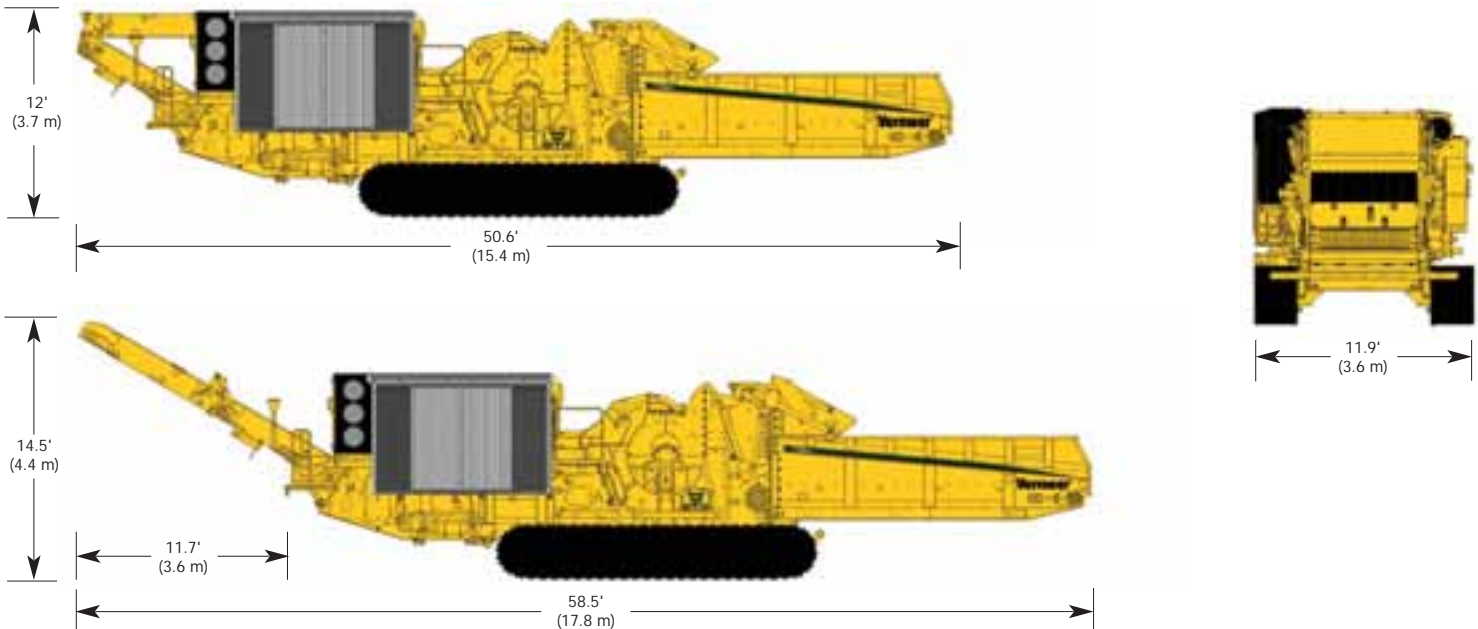
Type: Dual-path hydrostatic drive with planetary  
 transmission  
 Ground speed (low range): 0 – .6 mph  
 (0 – 1 km/h)

Ground speed (high range): 0 – 2 mph  
 (0 – 3.2 km/h)

Ground pressure (option 1): 28" (71.1 cm)  
 double-grouser pads – 12.1 psi (.8 bar) soft  
 surface, 60.4 psi (4.6 bar) hard surface  
 Ground pressure (option 2): 28" (71.1 cm) triple-  
 grouser pads – 12.1 psi (.8 bar) soft surface,  
 35.8 psi (2.5 bar) hard surface

## Options

Screens  
 Special paint  
 Extended warranties  
 Preventive maintenance packages  
 Air compressor  
 Magnetic discharge conveyor pulley  
 Air or manual screen hoist  
 Abrasion-resistant mill liner package



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