

Vermeer®

Horizontal Grinders

HG-8000/ HG8000TX



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Horizontal Grinders

Open up big opportunities.

The HG8000 / HG8000TX horizontal grinders from Vermeer boast the largest infeed opening in their class, helping to increase 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" (181.6 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 m to 5.5 m) discharge height for the HG8000, 14.5' (4.4 m) for the HG8000TX, the 66" (167.6 cm) wide loadout conveyors are the widest around. This allows for greater volume of processing with less chance of spillage or plugging.

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" (5.1 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

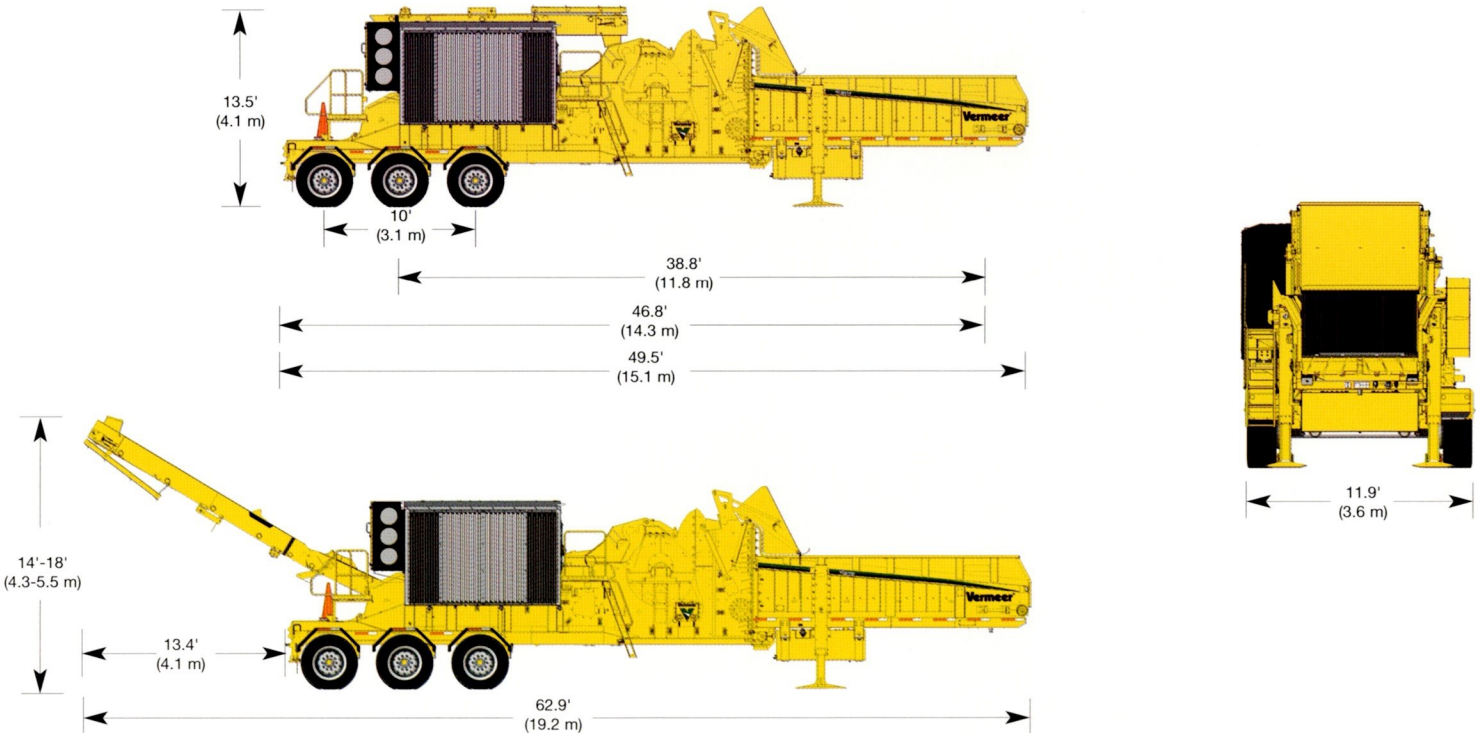
Conveyor type: Viper 330# with V-cleat
Conveyor belt width: 66" (167.6 cm)
Discharge height: 14' – 18' (4.3 m – 5.5 m)

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 (1892.7 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-operated or manual screen hoist
Abrasion-resistant mill liner package

