

# Vermeer®

Horizontal Grinder

# HG 200



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## Get a Vermeer Grinder in a Chipper-Sized Package.

The Vermeer HG200 compact horizontal grinder turns wood chips, construction debris, and green waste into a range of usable end products that include ground cover, landscape mulch, animal bedding and compost. It provides residential tree-care contractors, sawmills, home builders, and contractors with an economical alternative to incurring disposal fees or stockpiling unusable chips.

Powered by a reliable 85 hp (63.4 kW) Cummins diesel engine, the compact HG200 unit has a gross weight of 5540 pounds (2512.9 kg), making it easy to transport in residential areas. Plus, the machine's light weight reduces ground disturbance on residential yards and golf courses.

A hammermill drum cutting system and replaceable screens provide optimum cutting performance and uniform sizing of the end product.



# Horizontal Grinder



Enhance efficiency. The unit's side-discharge conveyor belt allows operators to load processed material into dumpsters or pickup trucks, or to create windrows of processed material.



Increase grinding productivity. The patented Vermeer SmartFeed system monitors engine rpm rates and automatically stops and / or reverses the feed roller and feed conveyor to help enhance production.



Save time with one-person screen change. Operators can load screens by hand without the use of additional support equipment or personnel.



Turn waste into marketable mulch. The hammermill drum produces uniform-sized mulch by processing wood chips through screens, with a range of sizes and openings. A hinged lid located directly above the hammermill and screens enables easy access for drum maintenance and screen changings.

## HG200 Specifications

### General

Transport weight (long infeed): 5540 lb (2512.9 kg)  
Transport weight (short infeed): 5470 lb (2481.2 kg)  
Tongue weight (long infeed): 640 lb (290.3 kg)  
Tongue weight (short infeed): 730 lb (331.1 kg)  
Axle weight (long infeed): 4900 lb (2222.6 kg)  
Axle weight (short infeed): 4740 lb (2150 kg)  
Transport length (long infeed): 19.8' (6 m)  
Transport length (short infeed): 17.8' (5.4 m)  
Transport width: 66" (167.6 cm)  
Transport height: 81.6" (207.3 cm)

### Hammermill

Drum tip diameter: 22.3" (56.6 cm)  
Rotor cutting length: 16.5" (41.9 cm)  
Number of hammers: 10  
Cutter type: (2) Bolt narrow block cutter  
2" x 3.5" (5.1 cm x 8.9 cm)  
Screens: (2) 1/2" thick various shape, size openings  
Screen area: 592 sq in (.38 m<sup>2</sup>)  
Drum rpm: 1930 rpm

### Engine

Model: Cummins B3.3 turbocharged  
Horsepower: 85 hp (63.4 kW)  
Max engine torque @ 1600 rpm:  
215 ft-lb (291.5 Nm)  
No. of cylinders: 4  
Displacement: 199 cu in (3261 cm<sup>3</sup>)  
Type of fuel: Diesel  
Fuel consumption: 4.77 gph (18.1 L/h)  
Fuel tank capacity: 25 gal (94.6 L)  
Operating range: 5.2 hrs  
Electrical system: 12 V DC  
Cooling medium: Liquid

### Drive Line

Clutch: Clutchless PTO  
Belt drive: 5 V laminated polyester cord

### Infeed System

Feed roller diameter: 20" (50.8 cm)  
Feed throat height: 12.5" (31.8 cm)  
Feed roller down force: 2000 lb @ 700 psi  
(8889 N @ 48.3 bar)  
Feed table type: Smooth or cleated conveyor belt

Feed table width: 15" (38.1 cm)  
Feed table length (short): 4' (1.2 m)  
Feed table length (long): 6' (1.8 m)  
Conveyor speed: 0 – 47 fpm (0 – 14.3 m/min)  
Feed table load height: 40" (101.6 cm)

### Discharge System

Conveyor type: Folding side discharge  
Conveyor belt width: 18" (45.7 cm)  
Conveyor belt speed: Variable up to 700 fpm  
(213.4 m/min)  
Belt design: Cleated  
Conveyor length: 91" (231.1 cm)  
Discharge height: 5.5' (1.7 m)

### Trailer

Tongue jack: 2000 lb (907.2 kg) capacity  
Axle rating: 7000 lb (3175.2 kg)  
No. of axles: 1  
Tires: ST235/80R16  
Wheels: 16" x 6" (40.6 cm x 15.2 cm)  
8 bolt / 6.5" (16.5 cm) BCD  
Brakes: Electric  
Hitch type: Pin, pintle, ball, 2-5/16" (5.9 cm)  
Rear stabilizer: 3500 lb (1587.6 kg) capacity  
Fenders: Steel, bolt-on  
Ground clearance: 11.4" (29 cm)

### Hydraulic System

Pump type: Tandem gear pump  
Oil tank capacity: 7.5 gal (28.4 L)  
Oil type: Hypower 68  
System pressure: 2100 psi (144.8 bar) infeed;  
2700 psi (186.1 bar) discharge  
Filtration: Return filter with suction strainer in tank  
Oil cooler: Single pass, aluminum  
Fins per Inch: 11

### Optional

Magnetic drive pulley: 6" (15.3 cm) diameter  
Screen sizes: Various shape, size openings  
Infeed belt: Smooth or cleated  
Deluxe instrumentation: Tachometer/Hour meter,  
fuel, coolant temp, oil psi, volt meter, air  
restriction indicator  
Extended warranty: 24-month / 2,000-hours or  
36-month / 3,000-hours parts only coverage

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