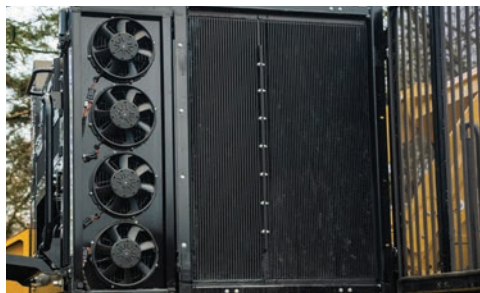


HG4000 HORIZONTAL GRINDER



MAINTENANCE-FRIENDLY DESIGN.

The grinder's maintenance-friendly design features large access shields, ladders, drop-down platform to access the engine, mill access at the front or the top, remote grease zerks and drive belt tensioning. This optimizes serviceability and minimizes maintenance time.



CONTAMINATION DEFENSE. Machine damage caused by metal contaminants entering the hammermill can be costly. The Vermeer Damage Defense system helps protect your machine by detecting certain metal contaminants, which reduces the likelihood of metal being processed by the hammermill. Combined with the cross-band magnet that minimizes metal from ground material, you can maximize the value of your end product.



CAT ENGINE POWER. The 536-hp (399.7-kW) CAT C13B engine provides the horsepower needed for processing difficult materials, and is backed by worldwide service and support to help with maximum productivity.



POWERFUL FEEDING. With a feed opening of 60 in x 35.5 in (152.4 cm x 90.2 cm) and more robust infeed sidewalls that are double the strength of its predecessor, you can feed whole trees and other large material with less restriction. The feed roller is equipped with more aggressive teeth, coupled with down pressure, that provide pull in power and maintain control of the material being fed, which lets the operator focus on feeding material. Maximize feedability with low side walls, providing optimal flow of material and minimizing operator interaction.



COMPLETE CONTROL. Optimize productivity and flexibility when operating the grinder with these two features: An industry-leading, full-function, wireless remote control lets you adjust machine settings from the cab as conditions change, including control of the infeed settings, engine droop, conveyor height and more. The 7-in (17.8-cm) onboard color touch screen display shows machine data and allows you to intuitively set up the machine for maximum efficiency.



INTELLIGENT FEED SYSTEM. Let the machine do the work. The intelligent feed system self-monitors the machine's engine speed, makes predictive adjustments and holds the engine at an optimal level. This allows you to spend more time feeding and less time adjusting settings, which maximizes your productivity and fuel efficiency.

HG4000 HORIZONTAL GRINDER

GENERAL DIMENSIONS AND LENGTHS

Max length (working): 52 ft (15.8 m)

Max width (transport): 8.2 ft (2.5 m)

Max height (transport): 13 ft (4 m)

Max weight (GVWR): 52,000 lb (23,586 kg)

Max king pin weight: 16,960 lb (7,692 kg)

GENERAL DIMENSIONS AND WEIGHTS

Make and model: CAT C13B T4F/STAGE V

Gross horsepower: 536 hp (399.7 kW)

Fuel tank capacity: 200 gal (757 L)

Max fuel consumption: 27.2 gph (103 L/hr)

Diesel exhaust fluid capacity: 17.3 gal (65.6 L)

Air cleaner: Dry-type with primary and secondary elements and restriction indicator

Fan: Flexxaire

Fan (CAC): Electric (variable speed)

Clutch type: Hydraulic-operated twin-disc

Drive belt type: V-belt

Sound power: 112.3 db(A)

INFEED SYSTEM

Feed table width: 60 in (152.4 cm)

Feed table depth: 20 in (50.8 cm)

Feed table length: 15 ft (4.6 m)

Feed table capacity: 4.6 yd³ (3.5 m³)

Loading height: 7.6 ft (2.3 m)

Feed conveyor type: Welded slat chain

Infeed roller diameter: 28 in (71 cm)

Feed opening: 60 in x 35.5 in (152.4 cm x 90.2 cm)

Feed roller down pressure: Adjustable

HYDRAULIC SYSTEM

Tank capacity: 7.7 gal (29 L)

HYDRAULIC SYSTEM

Pump type: Variable displacement, axial piston

DUPLEX DRUM

Millbox opening: 60 in x 30.5 in (152.4 cm x 77.5 cm)

Drum diameter: 22.5 in (57.2 cm)

Tip diameter: 31.3 in (79.6 cm)

Number of hammers: 9

Number of tips: 18

CHIP DRUM

Millbox opening: 60 in x 31 in (152.4 cm x 78.7 cm)

Drum diameter: 27.3 in (69.3 cm)

Depth of cut: Adjustable: .13 in to 1 in (.3 cm to 2.5 cm)

Number of knives: 12

DISCHARGE SYSTEM

Length: 20 ft (6.1 m)

Width: 48 in (1.2 m)

Belt design: 3-ply-330# with V-cleat

Load height: 14 ft (4.26 m)

DISCHARGE CONVEYOR HYDRAULICS

Pump type: Fixed displacement gear pump

CONTROL STATION

Display type: LCD

RADIO REMOTE CONTROL

Display type: LCD

Operating range: 300 ft (91.4 m)

AXLE/SUSPENSION

Capacity per axle: 18,700 lb (846.2 kg)

Number of axles: 2

Tires: 385/65R22.5

OPTIONS

Magnetic discharge conveyor pulley

Front infeed gate

Overband magnet

Damage Defense system

Screen hoist

Air compressor