Specifications

General Dimensions

Transport Height	39'-4" [12 m]
Transport Height	13'-5" [4.10 m]
Transport Width	8'-5 1/2" [2.58 m]
Loading Height	10'-3" [3.12 m]
Tongue Weight	11,000 lbs. [4,989 kg]
Axle Weight	28,000 lbs. [12,698 kg]
Gross Weight	39,000 lbs. [17,687 kg]
Tongue Weight w/Loader	16,500 lbs. [7,484 kg]
Axle Weight w/Loader	33,000 lbs. [14,968 kg]
Gross Weight w/Loader	49,500 lbs. [22,453 kg]

Engine

Model	Caterpillar C15 Turbo-charged Diesel
Horsepower	580HP [433kw]
Air Cleaners	Donaldson Dry Type
Fuel Capacity	200 gal. [757 l]

Drive Train

Clutch	Twin-Disc 14" [35.6 cm], 3 Plate
Fluid Coupling	Transfluid
Drive Shaft	Spicer 1880; Rated @5000 ft-lb [6,779 nm]
Final Drive	1:1, 2100 RPM

Hammermill

Opening	27" X 48 1/4" [68.6 cm x 122.6 cm]
Length	45 1/4" [115.0 cm]
Deflector	1/2" [12.7 mm] Thick T-1 Steel Thrown Object Deflector
Diameter	16 7/8" [42.9 cm] With 8 1/4" [21.0 cm] Diameter Center
Shaft	6" [15.2 cm] Diameter Hardened Alloy Steel
Mill Plates	2" [5.1 cm] Thick, Machined to 1 5/16" [3.3 cm] in Hammer Swing Area
Hammers	36 lb. [16.3 kg] Fixed W/2-Bolt Replaceable Tips (24); Heat Treated and Hard Surfaced
Hammer Swing Diameter	26 3/4" [68.0 cm]
Hammer Rods	2 1/4" [5.7 cm] Alloy Steel (12)
Bearings	4 7/16" [11.3 cm] Double Row Spherical; Ductile Cast Iron Housing; Oil Lubricated
Screens	Four 1" [2.54 cm] Thick, 2400 SQ. IN. [1.55 sq. m]; Various Sizes Available

Tub

Inside Width	8'-0" [2.4 m]
Flare Width	12'-0" [3.7 m], 11'-0" [3.4 m], or 10'-0" [3.0 m]
Depth	50" [1.3 m]
Walls	7/16" [11.1 mm] Channel; Six 1/2" [12.7 mm] Stiffeners Welded Vertically to Support Tub and Flares
Agitators	Eight 3/4" X 5" [19.0 mm x 127 mm]
Speed	Variable, Up to 9 RPM Forward and Reverse; Auto-Reverses if Jammed
Drive	18,000 in. lb. [2,034 nm] Torque; Single Orbital Hydraulic Motor; Planetary Gearbox; 140 Chain

Discharge System

Augers	Two 14" [35.6 cm] Hydraulic Driven
Stacking Conveyor	24'-6" [7.5 m] Long, 36" [0.91 m] Wide; 14'-0" [4.3 m] Stacking Height
Magnetic Roller	12" X 38" [30.5 cm x 96.5 cm] Magnetic Roller & Nail Chute

Control Panel

Controls	Ignition, Engine Speed, Clutch, Tub Controls, Outrigger Controls, Conveyor Controls, Table Control
Gauges	Oil Pressure, Oil Temp, Engine Temp, Voltmeter, Tach/Hourmeter, Mill Hourmeter, Fuel Gauge, Hydraulic Pressure Gauges

Optional Loader

Reach	22'-6" [6.86 m]
Lift Capacity	8570 lbs. @ 10' [3,887 kg @ 3.0 m] 5570 lbs. @ 15' [2,526 kg @ 4.6 m] 4020 lbs. @ 20' [1,823 kg @ 6.1 m]
Cab Controls	Pilot Operated Joystick Controls, Engine Speed, Clutch, Tub Controls, Conveyor Controls, Outrigger Controls, Cab Height Controls
Cab Gauges	Oil Pressure, Tachometer, Engine Temp, Fuel Gauge
Cab Features	1/2" [12.7 mm] Lexan Windshield, Wiper, Washer, Defroster, Dome Light, Fan, Horn, Insulation, Heater, Air Conditioner
Grapples	1/3 Cord Continuous Rotation

Optional Equipment

Screens	1 1/2" [3.8 cm], 2" [5.1 cm], 3" [7.6 cm], & 4" [10.2 cm] Dia. Round; 2" Sq. [5.1 cm sq.]; 1 1/4" x 6" [3.2 cm x 15.2 cm], 3" x 4" [7.6 cm x 10.2 cm], 3" x 6" [7.6 cm x 15.2 cm], 4" x 6" [10.2 cm x 15.2 cm], 7" x 20" [17.8 cm x 50.8 cm], 8" x 9" [20.3 cm x 22.9 cm], Progressive
Fluid Drive	21" KPTO
Other	Air Compressor, ProCommand Remote Control

Specifications given were approved at the time of initial printing and are subject to change without notice and without incurring any liability.

PROGRIND SERIES PG-4000

Sales and Service

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PROGRIND SERIES 4000

Designed with the innovative Progrind™ system to give you the power and high-production needed to tackle the most demanding jobs.

User-Friendly Control Panel

A state-of-the-art, intelligent,electro-hydraulic system makes operation of the ProGrind 4000 simple. The control panel contains gauges, hydraulic controls and safety features to provide maximum information and operating control during grinding operations.

Power & Performance

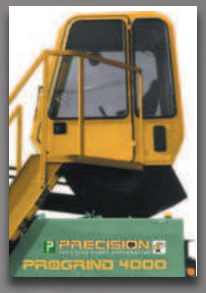
With one of the most aggressive hammermills in the industry, the ProGrind 4000 can cut through mountains of green waste. Special double-bolt hammer tips provide more durability and grinding ease, assuring high production rates, less wear on the hammermill and easy maintenance.

Clutch Protection

Our exclusive fluid coupling provides maximum clutch protection. If a jam occurs–even during start up–the engine throttles down and declutches before damage is sustained. This added protection also dramatically reduces clutch wear and virtually eliminates the possibility of clutch failures.

Total Operator Control and Safety

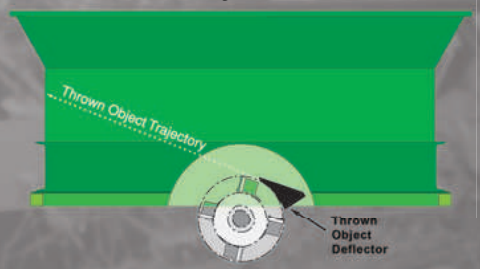
The large cab unit allows full movement and comfort for the operator. With its own control panel, complete operation of the grinder while loading is possible. State-of-the-art joystick controls are incorporated with a fully adjustable, lumbar supported seat for maximum comfort. The front windshield, designed for high visibility, is 1/2" Lexan and backed by two steel bars for operator safety. Air conditioning is included as a standard feature.



Radio Remote Control

An optional, full-function radio remote control is available, capable of operating the ProGrind 4000 at distances up to 500 feet. Ruggedly designed for outdoor heavy-duty equipment, the system uses an F.M. frequency to ensure long range, reliable control.

Thrown Object Deflector



The Thrown Object Deflector greatly reduces the potential of throwing objects by reducing the thrown object angle. The deflector will help direct material at the tub wall.

- 580HP [433kw] Caterpillar Turbo-charged Diesel engine
- Double-bolt hammer tips ensure hammermill durability and easy maintenance
- Optional remote control allows operation up to 500 feet
- Two 14" discharge augers easily move material from mill area to conveyor
- Easy climb catwalk for access to loader cab
- State-of-the-art cab on loader units, with joystick controls and air conditioning
- No special permits or signs required for transport
- Easy to use test ports and gauges for all hydraulic pressure readings
- Tub raises 90 degrees for emptying and easy servicing of the hammermill