

A tradition of innovation since 1966

HAYBUSTER®

ELECTRIC H-1130 TUB GRINDER

[stationary electric tilt tub grinder]

HAYBUSTER®



For over forty years Haybuster has been the leader in tub grinding technology! Increasing energy costs have our customers asking for alternative ways to power their grinders. We are pleased to offer the NEW stationary H-1130 Electric tilt tub grinder as the answer to our customer demands. The 300 HP(223.8kw) 3-phase soft start electric motor provides clean and endless power to the H-1130's 50" hammermill and 11' tilt tub.

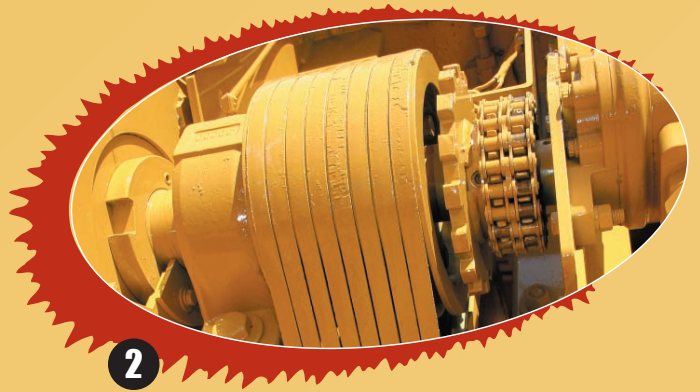
- 300hp (223.8kw) three phase soft start motor for primary drive, 10hp(7.46kw) three phase motor for hydraulics (tub, tilt and conveyor lift).
- All new design to meet the demands of today's successful farmers, ranchers and feedlots!
- High capacity PTO grinder handles round or large square bales, loose hay and grinds grains.
- Heavy duty hammermill with 1/2"(1.27cm) mill plates and hammers.
- 40% more discharge space under screen area than previous models for more volume.
- New twin 12" (30.48cm) x 4' 6" (1.37 m) dual belly augers for faster discharge.
- 90 degree tub tilt for easy access to the hammermill for service and maintenance.
- 24" (60.69cm) wide and 26' (7.92 m) long hydraulic folding stacking conveyor.



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1. The Big Bite 50" (127 cm) heavy-duty hammermill is standard equipment and has been moved to the rear of the tub to reduce the length of the belly discharge and accelerate product removal. The heavy-duty hammermill operates at 2300 rpm or 40% faster than previous models and is constructed with 88-½" (1.27 cm) swinging hammers. The hammers have four hardened working edges that can be rotated to provide a new grinding edge. They are held in place with 1¼" (3.18cm) case-hardened hammer rods. The mill plates are ½" (1.27cm) thick and 16" (40.64 cm) in diameter. The hammermill is mounted on a 3½" (8.98 cm) stress-proof shaft supported by 3¼" (8.21 cm) bearings. During operation the swinging hammers extend to a full 26" (66.04 cm).

2. The belt drive system for the hammermill has been redesigned with 8-5 VP belts to handle the increased rotor speed, increased horsepower capacity and to allow for changing of belts without removing the bull gear. The spring tension belt drive automatically adjusts belt tension as the belts stretch. Spring tension adjustments can be made through the side access door.



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3. The heavy duty bolt-in mill grate/slug bar combination is designed to allow the operator the ability to change the number of mill grate bars and slug bars as grinding conditions change. Simply take off or add as necessary. A geyser plate can be added to prevent product from being tossed straight up and out of the tub.

4. The dual 12" (30.48 cm) x 4' 6" (1.37 m) belly augers are suspended by two heavy-duty bearings and are located at the base of the newly-designed screen area. The short dual-augers allow for a sealed under-screen discharge area. The larger discharge area also provides for higher capacities and reduces the possibility for plugging.



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5. The large H-1130 Big Bite Tub is constructed of a 10-gauge steel floor and a 12-gauge steel side wall. The width of the tub is 11' 3" (3.43 m) at the flare, 8' 11" (2.72 m) at the base and is 50" (127 cm) deep. With this large tub the H-1130 has the capacity to handle the largest round and square bales as well as loose hay.

6. The DuraTech electronic governor is the reason for a smooth productive machine. This governor maintains a constant load on the tractor and driveline by adjusting the tubs rpm which controls the feed rate of the material to the hammermill.



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7. The tub drive has continuous teeth around the tub and dual spring tensioners to keep chain tight. Power is provided by a single hydraulic motor controlled by the electronic governor.



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8. The H-1130's tub opens a full 90 degrees for easy access to the hammermill and drive train for daily maintenance and easy screen changing.



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9. The hydraulic folding 24" (60.96 cm) wide by 26' (7.92 m) long high-capacity stacking conveyor is designed for the increased capacity of the H-1130. A rubber-lagged drive pulley along with Haybuster's "Easy Clean" idler pulley to power the belt. 1½" (3.81 cm) high cleats help haul the ground product away at a high rate without slowing down, even when the hammermill is overloaded. The ground product can be piled up to 18' 6" (5.64 m) high with the conveyor.



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10. High-capacity grain grinding is another important operation that the H-1130 can also accomplish. By removing the mill grate/slug bar, placing the optional grain-grinding hopper over the hammermill opening and changing screens, the H-1130 becomes a high capacity grain grinder for grinding and/or cracking feed grains.



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11. A soft start panel provides for "soft" startup for the main drive 300hp (23.8kw) motor. The 10hp (7.46 kw) motor that drives the hydraulics is a direct line start. Electric motors are available in 460 volt-60 Hz, 380 volt-50 Hz, 380 volt-60Hz and 575 volt-60 Hz, all require three phase power. Please check with your power supplier for the proper power requirements for your area before ordering.



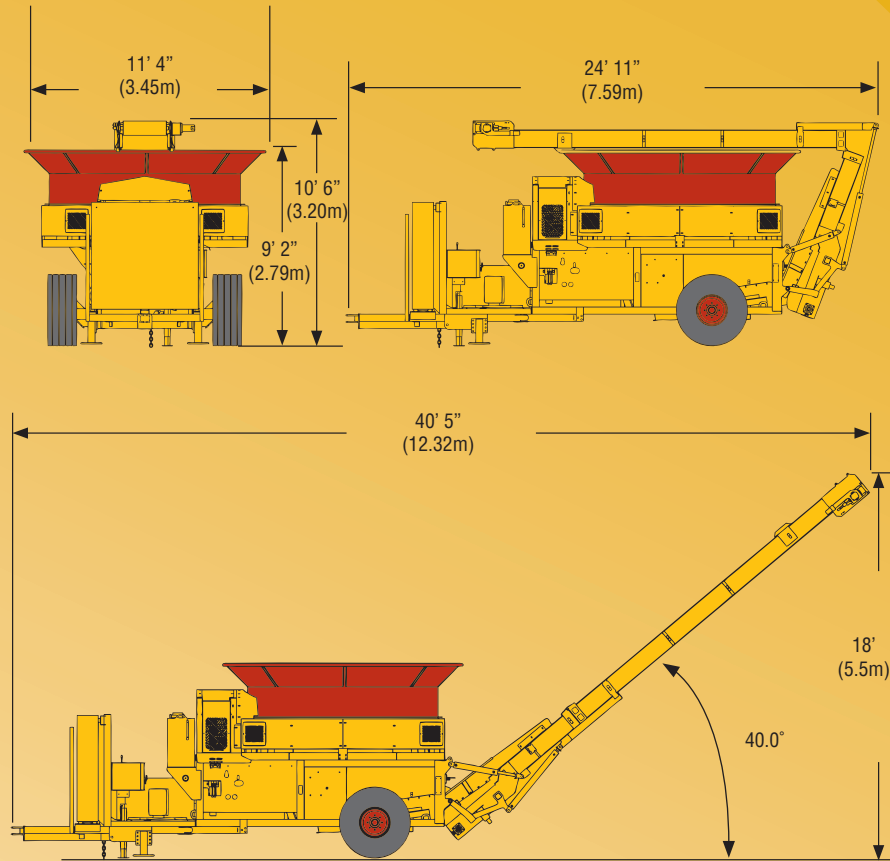
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ELECTRIC H-1130

SPECIFICATIONS

[H-1130 Tub Grinder]

Hammermill	
Length	50" (127 cm)
Diameter	26" (66.04cm) with Hammers Extended
Feed Opening	28 1/2" (72.4 cm) x52"
Hammers	1/2" (1.27cm) AR-Hardened Steel, Swing
Number of Hammers	88 (4 wear sides)
Rods	1 1/4" (3.18cm) Case Hardened Steel
Cylinder plates	1/2" (1.27cm) thick X 16" (40.64cm)
Cylinder Shaft	3 1/2" (8.98 cm) Stress Proof Steel
Bearings	3 1/4" (8.21cm) Pillow Block
Drive	1000 RPM Through Sheaves and 8-5VP V-Belts
Rotor Speed	2300 RPM
Screens	
Screen Area	2781 Sq. In. (7063.75 Sq. Cm.)
Screen Thickness	1/4" (.635cm)
Screen Hole Diameter	1/8" (.317cm) to 8" (20.32cm)
Tub Features	
Tub Width at Flare	11' 4" (3.45m)
Loading Height	9' 2" (2.79m)
Depth	50" (127cm)
Diameter at Base(ID)	8' 11" (2.72m)
Tub Wall Thickness	12 gauge (2.66cm)
Tub Floor Thickness	10 gauge (3.42cm)
Drive Mechanism	Electro/Hydraulic-Continuous Tub Teeth
Speed Control	DuraTech RCB93 Electronic Governor
Hydraulic Oil Capacity	60 US gallons (227.12L)
Service Access	Tub Hydraulically Tilts 90 Degrees/Side Access for Belt Tighting and Greasing
Belly Augers	
Type	Twin 12" (30.48cm)
Length	4' 6" (1.37m)
Support	2 Support Bearings per Auger
Discharge Conveyor	
Type	Rubber Belt with 1 1/2" (3.81cm) High Cleats
Drive	Hydraulic
Drive and Idler Pulleys	Rubber Lagged Drive, "Easy Clean" Idler
Length	26' (7.92m)
Width	24" (60.69cm)
Max. Height	18' 6" (5.64m) @ 40 Degree Incline Conveyor Lift and Fold Hydraulic
Weight	
Weight	20,500 lbs, (9,298.64kg)
Hitch (with conveyor folded)	4,700lbs. (2,131.88kg)
Shipping Dimensions	
Width	11' 4" (3.45m)
Length	24' 11" (7.59m)
Height	10' 7" (3.2m)
Transport Dimensions	
Width	11' 4" (3.45m)
Length	24' 11" (7.59m)
Height	10' 7" (3.2m)
Operator Controls	
Tub Rotation	3 Position Hydraulic Valve; Clockwise, Stop, Counter Clockwise
Tub Speed	Controlled by DuraTech Model RCB93 Electronic Governor
Conveyor Lift and Fold	Hydraulic Valves for Lift and Fold
Tub Tilt	Hydraulic valve for tub tilt
Hydraulic Oil Requirements	
Hydraulic Oil	60 Gallons (227.12 l) of Hydraulic Oil (Mobile 423, CENEX HTB Quicklift, Conoco Hydro Clear or equivalent)



PO Box 1940
 Jamestown, ND 58402-1940
 Phone: (701) 252-4601
 Fax: (701) 252-0502
 Website: www.haybuster.com

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UP 2500 12/10

Options

Mill Grate/Slug Bar Combination
 Geyser Plate
 Grain Grinding Hopper
 Ear Corn Kit
 Grinding Screen Sizes:
 Round screens - Diameter in inches:
 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1 1/2,
 2, 3, 4, 5, 6, 7, 8, Open
 Round screens - Diameter in Centimeters:
 .375, .476, .635, .935, 1.27, 1.59, 1.91,
 2.54, 3.81, 5.08, 7.62, 10.16, 12.70, 15.24,
 17.78, 20.32, Open
 Rectangular Screens sizes in inches:
 3-1/2"x7-1/2", 4-1/2"x7-1/2", 6"x7-1/2", 9"x7-1/2"
 Rectangular Screens sizes in centimeters:
 8.89cm x 19.05 cm, 11.43cm x 19.05cm, 15.21cm x 19.05cm,
 22.86cm x 19.05cm

Electric Motor Specifications

Available Electric Motors
 300 hp (223.8kw)/ 10 hp (7.46kw) 460 Volt- 60 Hz Three phase power required
 300 HP(223.8kw)/10HP(7.46kw), 380 Volt-50Hz Three Phase Power Required.
 300 HP(223.8kw)/10HP(7.46kw), 380 Volt-60Hz Three Phase Power Required.
 300 HP(223.8kw)/10HP(7.46kw), 575 Volt-60Hz Three Phase Power Required
 Please check with your power supplier for the proper power requirements for your area.