

HG6000E

HORIZONTAL GRINDER



Temporary installation shown



DUPLEX DRUM. Improve cutting performance using the patented Series II duplex drum system designed with reversible hammers and tips to reduce daily maintenance and nearly double wear life.



CHIP DRUM. For enhanced flexibility with the HG6000E, a dedicated chip drum — adjustable for product size ranging from .125" to 1.5" (.3 cm to 3.8 cm) — is available.



PRODUCTIVE PROCESSING. Maximize loading speed and productivity using the patented SmartFeed system and hydraulic feed roller down pressure. Open-ended, wide infeed tables are designed to make over-the-side loading easy and efficient.



THROWN OBJECT DEFLECTOR (TOD). Reduce the quantity and distance of thrown material debris with the TOD, strategically placed to reduce interference when loading over-length material.



MOTOR CONTROL PANEL. The motor control panel provides options to configure a control system that best fits your application — whether that's a soft-start or variable frequency drive (VFD) panel.



ELECTRIC MOTORS. The HG6000E is powered by two electric motors that deliver a combined 700 hp (522 kW) to the mill. A separate 60 hp (45 kW) electric motor powers the pump for the hydraulic circuits, while a 2 hp (1 kW) electric motor is used to cool the hydraulic system.

HG6000E HORIZONTAL GRINDER

GENERAL DIMENSIONS

Max transport length: 37.6' (11.5 m)

Max transport length with optional dolly: 45.8' (14 m)

Max transport width: 9.4' (2.9 m)

Max transport width with optional dolly: 9.8' (3 m)

Weight: 56,000 lb (25,401.2 kg)

ELECTRIC MOTORS

Manufacturer: WEG W22

Fan motor horsepower: 2 hp (1 kW)

Hydraulic motor horsepower: 60 hp (45 kW)

Mill motor horsepower: (2) 350 hp (261 kW)

Voltage: 460 V or 380 V

Frequency: 50 Hz or 60 Hz

Phase: 3

Enclosure: TEFC (totally enclosed, fan-cooled)

INFEED CONVEYOR

Feed table width: 60" (152.4 cm)

Feed table length: 20' (6.1 m)

Loading height: 7.6' (2.3 m)

INFEED ROLLER

Max feed height: 32" (81.3 cm)

Infeed roller diameter: 36.1" (91.7 cm)

DUPLEX DRUM

Millbox opening: 60" x 32" (152.4 cm x 81.3 cm)

Drum diameter: 28" (71.1 cm)

Number of hammers: 10

Number of tips: 20

NOTES:

CHIP DRUM – OPTIONAL

Millbox opening: 60" (152.4 cm)

Drum diameter: 34.3" (87.1 cm)

Number of knives: 28

Depth of cut: Ranging from .125" to 1.5" (.3 cm to 3.8 cm)

DISCHARGE SYSTEM

Width: 48" (121.9 cm)

Belt design: 3 ply — 330# or straight warp single ply 330# both with V cleat

HYDRAULIC SYSTEM

Tank capacity: 65 gal (246.1 L)

Implement pump: Variable displacement, axial piston

Discharge conveyor: Fixed displacement, gear pump

CONTROLS

Stationary: Side-mounted control station

Remote: Multifunction with built-in display, max 300' (91.4 m) operating range

CONTROL PANEL OPTIONS

VFD (variable frequency drive) starter panel: 380 V or 460 V, NEMA Type 5 enclosure

Soft-start starter panel: 380 V or 460 V, NEMA Type 4 enclosure

OPTIONS

Special paint

Vermeer Confidence Plus® asset protection program

DT6 dolly transport system

Magnetic pulley

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