

# TG7000E TUB GRINDER



## OPTIMAL CUTTING PERFORMANCE.

The patented Series II duplex drum offers proven cutting performance, and reversible hammers and tips nearly double the wear life of single-sided designs and simplify daily maintenance.



**JOBSITE SAFETY.** The patented thrown object restraint system (TORS) reduces the amount and distance of thrown material debris, and has a smooth underside for better material flow.



**JOBSITE EFFICIENCY.** An optional loader cab with grapple allows for a one-man operation, helping reduce labor costs and increase efficiency.



**HIGH PRODUCTION.** Designed to handle more production with less clogging, the 48" (122 cm) wide continuous undermill conveyor system offers optimum speed and capacity.



**MOTOR CONTROL PANEL.** The motor control panel provides options to configure a control system that best fits your application.



**ELECTRIC MOTORS.** The TG7000E is powered by two electric motors that deliver a combined 1000 hp (746 kW) to the mill. A separate 75 hp (56 kW) electric motor powers the pump for the hydraulic circuits, while a 2 hp (1.5 kW) electric motor powers the fan to cool the hydraulic system.

# TG7000E TUB GRINDER

## GENERAL DIMENSIONS – NON-LOADER

Max transport length: 48.5' (14.8 m)

Max transport width: 11.9' (3.6 m)

Max transport height: 11.3' (3.4 m)

Weight: 70,800 lb (32,114.3 kg)

## GENERAL DIMENSIONS – LOADER

Max transport length: 48.5' (14.8 m)

Max transport width: 11.9' (3.6 m)

Max transport height: 12' (3.7 m)

Weight: 82,150 lb (37,262.6 kg)

Max loader reach: 29.5' (9 m)

## ELECTRIC MOTORS

Manufacturer: WEG W22

Fan motor horsepower: 2 hp (2.5 kW)

Hydraulic motor horsepower: 75 hp (56 kW)

Mill motor horsepower: (2) 500HP motors (373 kW)

Optional loader motor horsepower: 100 hp (75 kW)

Voltage: 380V/460V

Frequency: 50Hz/60Hz

Phase: 3

Enclosure: TEFC (totally enclosed, fan-cooled)

## FEED SYSTEM

Inside diameter of tub: 10' (3 m)

Inside flare diameter (at tub opening): 13' (3.9 m)

Depth of tub: 4.7' (1.4 m)

## DUPLEX DRUM

Millbox opening: 32" x 72" (81.3 cm x 182.9 cm)

Drum diameter: 22.5" (57.2 cm)

Number of hammers: 10

Number of tips: 20

## SCREENS

Screen dimensions: 72.4" x 35.8" x 10.3" (183.9 cm x 90.9 cm x 26.2 cm)

Screen area: 4162 sq in (26,852 sq cm)

## DISCHARGE SYSTEM – SINGLE BELT DESIGN

Conveyor length: 24' (7.3 m)

Belt width: 48" (121.9 cm)

Belt design: 330# with V-cleat

## HYDRAULIC SYSTEM

Tank capacity: 100 gal (378.5 L)

Implement pump type: Axial piston, variable displacement

## CONTROL PANEL OPTIONS

VFD (Variable Frequency Drive) panel: 380V or 460V, NEMA Type 5 enclosure

## CONTROLS

Stationary: LCD multifunction

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

## OPTIONAL LOADER

Loader reach: 29.5' (9 m)

Pedestal/Cab rotation: 370°

Loader lift capacity at full reach: 4000 lb (1814.4 kg)

Loader lift capacity at 10' (3.1 m): 12,000 lb (5443.1 kg)

Grapple type: Multi-tine, continuous 360° rotation

Grapple weight: 1450 lb (657.7 kg)

## OPTIONAL AIR COMPRESSOR

Brand: Mi-T-M

Engine: 7.5 hp (5.6 kW)

Max pressure: 175 psi (12.1 bar)

Max air flow: 23.4 cfm (.6 m<sup>3</sup>/min)

Tank capacity: 30 gal (113.6 L)

## OPTIONS

Magnetic pulley

Vermeer Confidence Plus® asset protection program