



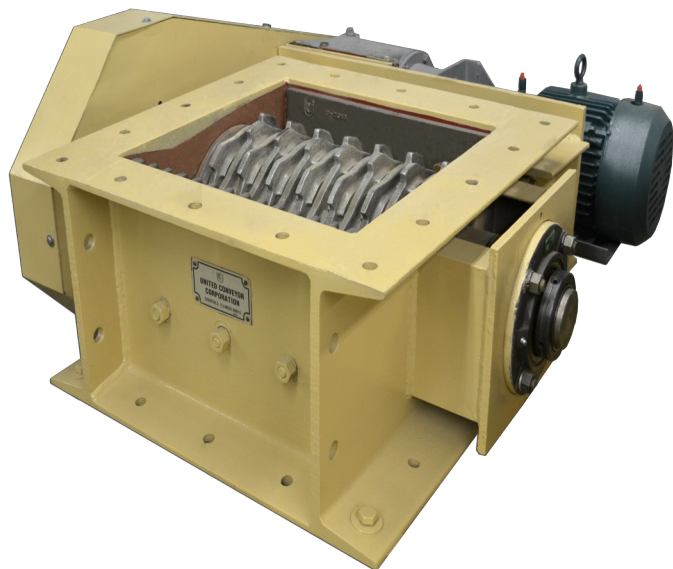
# EXCEN-CRUSHER®

## Clinker Grinder - Model 460

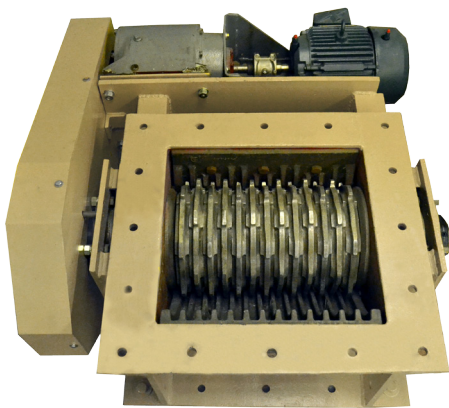
United Conveyor Corporation (UCC) EXCEN-CRUSHER® Model 460 is specifically designed for dry bottom ash applications, offering superior performance and high-level reliability. With decades of proven experience, UCC crushers effectively reduce material size providing higher efficiency in pneumatic, hydraulic and mechanical bottom ash handling systems.

With thousands of units in service, UCC crushers are the industry standard for utility and industrial power plants across the world. Working with UCC, utilities benefit from cost-effective rebuild and upgrade kits using the latest design improvements. The result is high performance and efficiency.

Flame Sprayed Ductile  
Iron Cams



Compact Integral  
Drive Design



### APPLICATIONS

- Dry Bottom Ash Handling: 2.25 to 19 TPH Throughput Capacity
- Continuous or Intermittent Operation
- High Temperature Applications up to 649 °C

### KEY ADVANTAGES

- Cost-Effective Rebuild Kits
- Compact Single Roll Design
- Efficient Operation and Simple Maintenance
- Knowledgeable Field Staff

# EXCEN-CRUSHER®

## Clinker Grinder - Model 460

### ADVANTAGES

#### ■ Superior Construction for Longer, Reliable Service

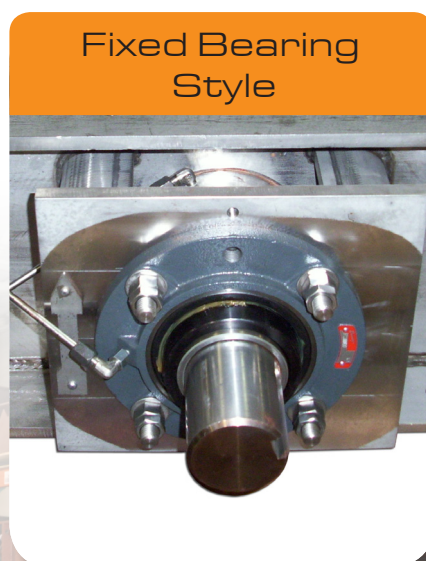
- › Rugged and reusable fabricated steel body and cam support are built to last multiple service intervals
- › Carbon steel construction with optional stainless steel for corrosive applications
- › Standard flame sprayed ductile iron cams for high temperature applications
- › Square profile teeth provide effective shearing and longer wear life
- › Optional 4-bolt DURITE® H (high chrome) cams are designed for severe-duty applications

#### ■ Optimal Sealing Performance

- › Spring-loaded packing glands prevent leakage, minimize maintenance and increase reliability
- › Superior performance of woven graphite packing in high-temperature, dry applications

#### ■ Superior Seal Design

- › Fixed Bearing Style – UCC proven design includes woven graphite packing for dry/high-temperature applications







#### ■ Efficient Operation

- › Single roll cam design produces more crushing force than a double roll design while reducing initial cost, rebuild cost and power consumption
- › 2.2 kW gearmotor is field proven to efficiently reduce the broadest range of friable materials
- › Standard drive design with flex coupling and control panel maximizes crushing torque

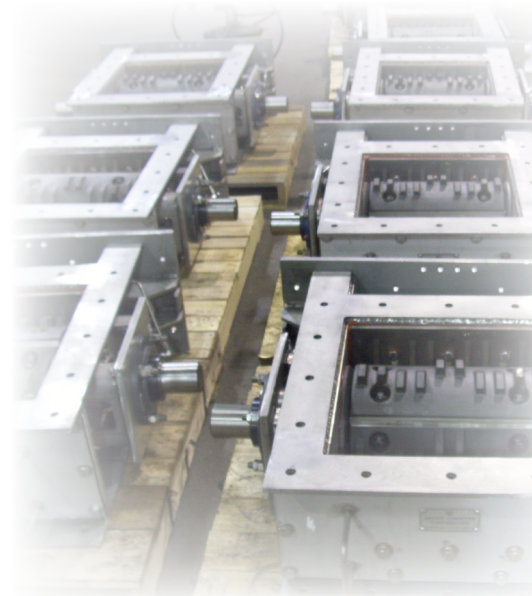
#### ■ Simple Installation and Maintenance

- › Optional roll-out feature cuts down on installation and maintenance time and effort
- › Compact design and industry standard inlet/outlet/overall dimensions allow easy retrofit
- › Optional auto-lube controller eliminates day-to-day maintenance and ensures sealing performance
- › UCC factory rebuild kits extend clinker grinder life and increase return on investment

## SPECIFICATIONS

Capacity (approx.)	2.25 to 19 TPH (dependent on ash type and size)
Input Particle Size (max.)	152 mm x 152 mm x 254 mm
Discharge Particle Size (max.)	25.4 mm
Internal Temp (max.)	649 °C (dry)
Internal Pressure (max.)	1.38 Bar
Operating Speed	20 RPM
Drive Horsepower	2.2 kW
Standard Drive Mounting	Integral Gearmotor Mounting Bracket
Weight (approx.)	490 kg (without drive) or 690 kg (with drive)
Flange-to-Flange Height	381 mm
Inlet Opening	457 mm x 457 mm
Discharge Opening	457 mm x 302 mm
Body Material	Primed Carbon Steel or Stainless Steel
Shaft Material	17-4PH Stainless Steel
Cam Support Material	Primed Carbon Steel (standard) or Stainless Steel (optional)
Cam Material	Flame Sprayed Ductile Iron (standard) or DURITE H (optional)
Anvil & Combining Plate Material	DURITE H

*\*DURITE H is 600 BHN Minimum*

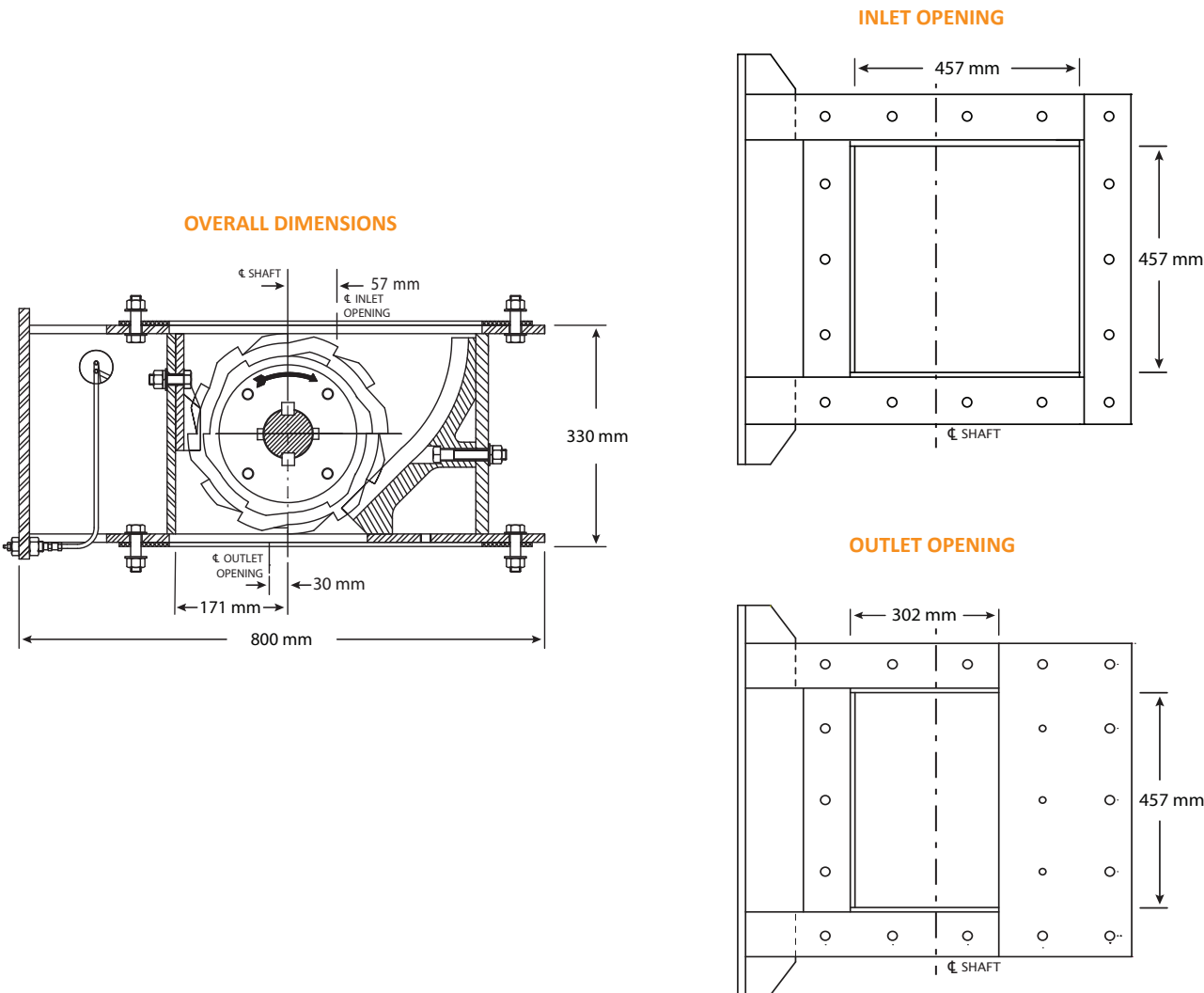


EXCEN-CRUSHER<sup>®</sup>

Clinker Grinder - Model 460

Technical Data Sheet  
TDS12-408

KEY DIMENSIONS



ORDERING INFORMATION

Crusher Type	Basic Assembly	Basic Assembly + Drive
Fixed Bearing Style	5-2109-12	5-2111-16

\* For current product information please reference drawings. For information on accessories, such as Auto-Reverse Controllers or Auto-Lube Controllers, please contact your local sales representative.

UNITED CONVEYOR CORPORATION

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