

CEDARAPIDS®

A TEREX BRAND

Modular Plants

MC450X Cone Module



A world working better™

 **TEREX**® MPS

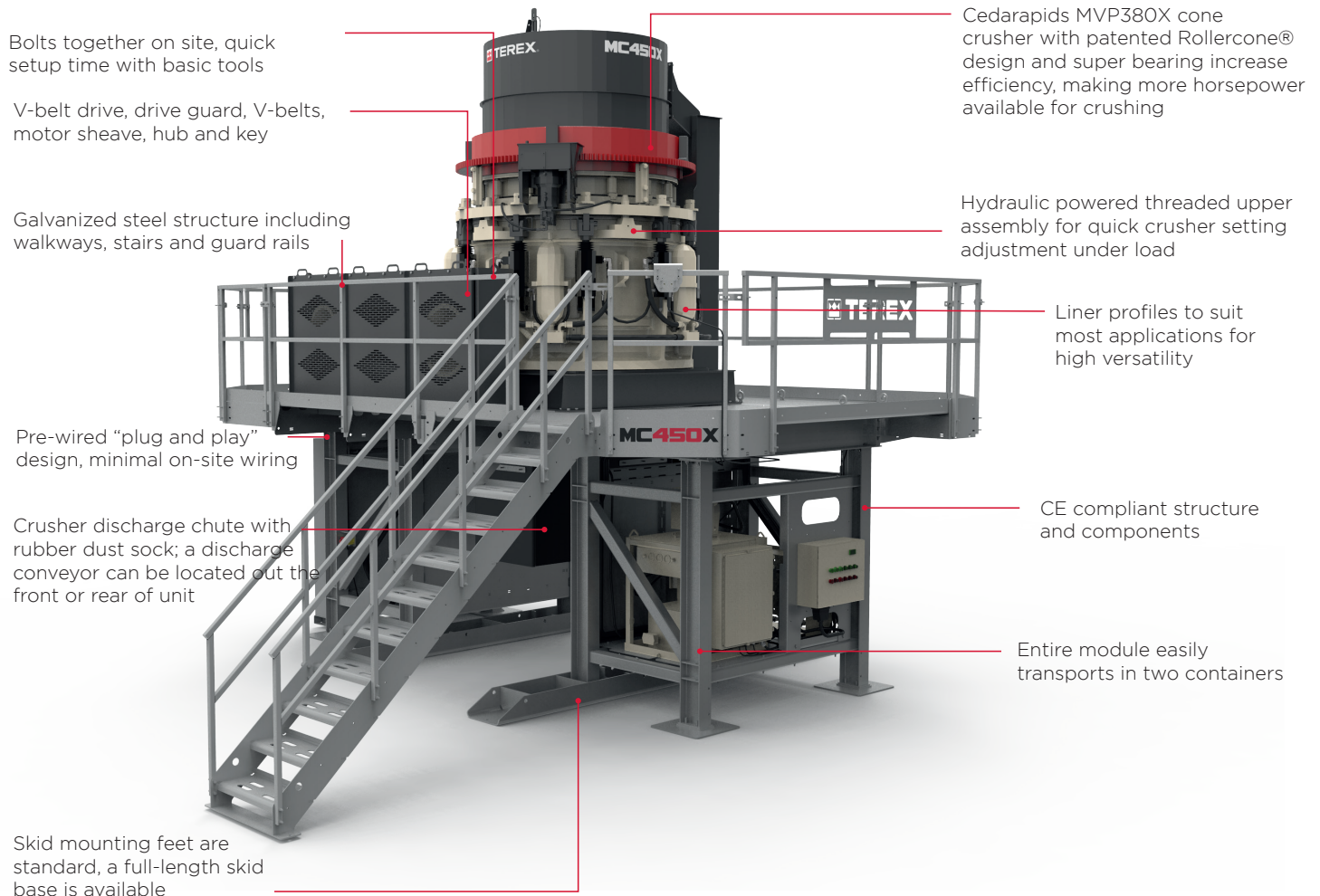
Cedarapids® Modular Plants

MC450X Cone Module

Our largest cone crusher module to date, the MC450X – featuring the Cedarapids® MVP450X cone crusher – delivers increased tonnage, application capabilities and crushing efficiency. Based on our universal modular platform, you can easily change out the cone crusher chamber and keep your modular frame. The MC450X is easily transported in a standard shipping container plus flat rack and can be assembled onsite quickly due to the bolt together design.

Module Structure

- Bolts together on-site, quick setup time with basic tools
- Pre-wired “plug and play” design, minimal on-site wiring
- Robust weather-protected control panel with user-friendly controls
- Galvanized steel structure including walkways, stairs, guard rails, and skid mounting feet
- Flexible design permits two locations for discharge conveyor
- Crusher discharge chute with rubber dust sock
CE compliant module structure and components
- Systematically packed in shipping containers for quick site setup and easy transport



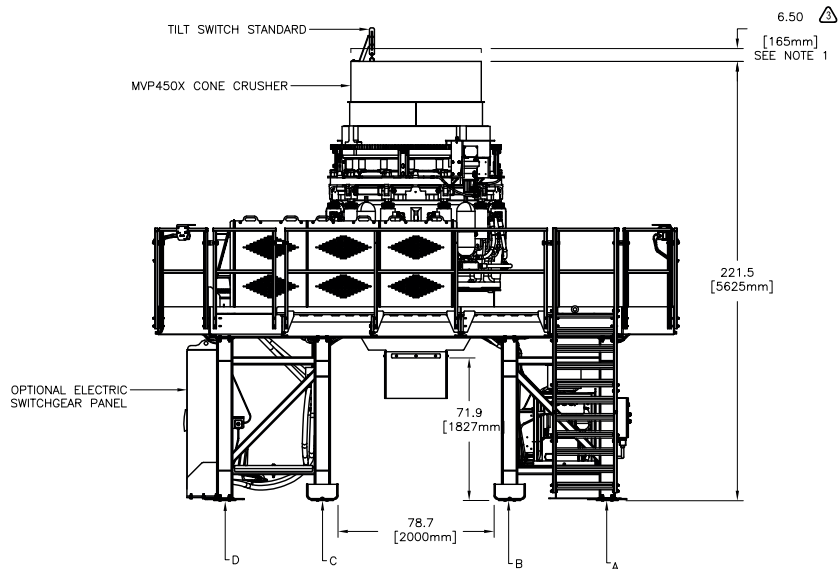
Cone Crusher

- Cedarapids MVP450X with patented Rollercone® design for high efficiency
- Single drive electric motor 400 hp (300 kW) 50 hz
- Adjustable motor mount slide-base tensioning system
- V-belt drive, drive guard, V-belts, motor sheave, hub and key
- Hydraulic skid with 10 hp (7.5 kW) provides hydraulic power for tramp and adjustment systems
- Separate lube skid with electric lube pump, filter, and valves
- Counterweight wear guard

Electrical Controls

- 4 emergency stop station
- IP55 electrical panel for manual/automatic control of operation; includes cone hydraulic gap/wear/dump control to set and monitor closed-side setting, calibration, and manganese wear
- Motor starters to run off-module feeder, cone feed conveyor, and product discharge conveyor
- Automatic sequence start-up and shut-down
- Plant operation interlocks upstream and downstream Module run/fault indication
- Facility for remote operation
- Ammeter

Working Dimensions



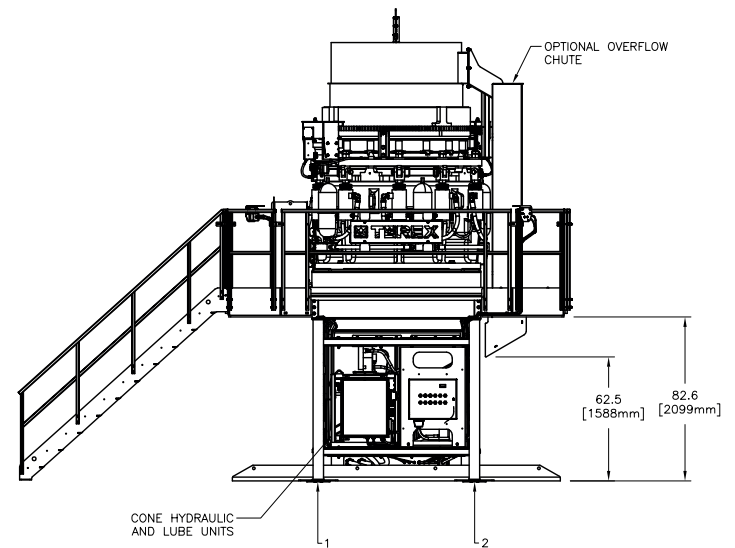
Optional Equipment

- Overflow chute
- Full-length skid base

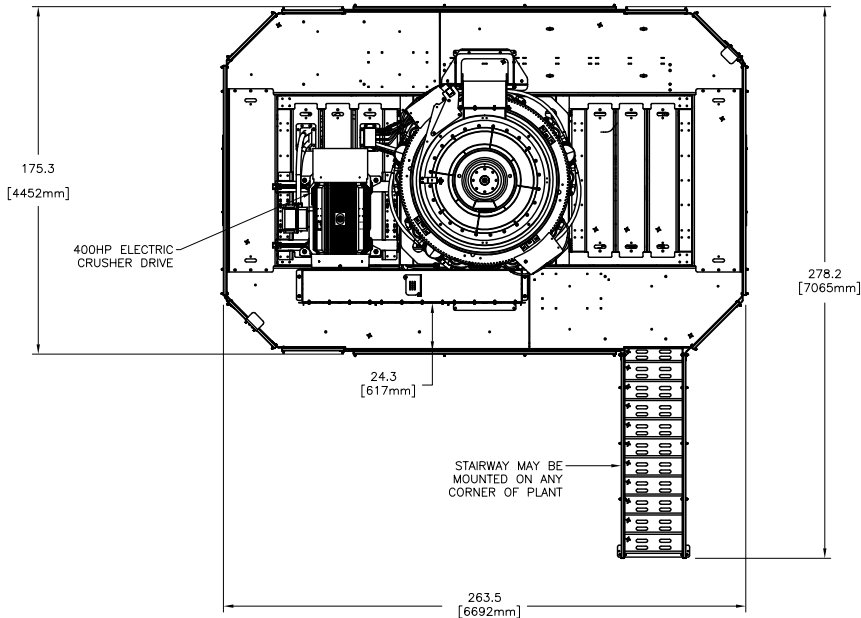
Cone Specifications

Motor Size	400 hp (300 kW)
Cone Head Diameter	54" (1372 mm)
Maximum Feed Size	14-15/16" (379 mm)
Capacity	150-645 TPH (136-585 MTPH)
Basic Crusher Weight	52,600 lbs (23828 kg)
Crusher Width	104.5" (2654 mm)
Crusher Height	82.7" (2101 mm)
Bearing Type Thrust	Roller (Super)
Bearing Type Radial	Roller
Adjustment	Screw/Hydraulic Motor

Note: Listed throughput capacity, maximum feed size and motor requirements are approximate and will vary depending on material properties, feed gradation, moisture content, chamber selection, feed method and other site specific operating conditions. Contact your nearest Terex® distributor for further details.



Working Dimensions



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Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

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