

FT300

Mobile Cone Plant



Kodiak® Cone Crusher

- K300+ with high-efficiency roller bearing design
- Variable-speed hydraulic drive
- Head diameter: 45 in (1,143 mm)
- Remote closed side setting (CSS) adjustment
 - Min CSS (application dependent): $\frac{3}{8}$ in (9.5 mm)
 - Max CSS(application dependent): 2 in (50.8 mm)
- Interchangeable chamber configurations
 - Available concaves: coarse, medium coarse, medium, medium with feed slots, medium fine, fine
- Field-replaceable base frame tub liners
- Field-replaceable V-Seat liners
- Patented liner retention assembly
 - Low-impact tramp iron relief (TIR) system
- Hydraulic cone brake
- Permanently precision-balanced with protected internal counterweights
- Feed hopper with level sensor
- 25 gallon (95 L) lube oil tank with immersion heater

Chassis

- High-strength, fabricated box-beam main frame
- 19.68 in (500 mm) wide tracks
- Maintenance platforms and access ladders
- Ground-level access for grease lubrication

Feed Hopper

- Wear-resistant, AR-lined loading area
- Hydraulic fold for transport
- Capacity: 7.5 cu. yds (5.7 cu. m)

Feed Conveyor

- Nominal 42 in (1,050 mm) wide belt
- EP630, 2-ply belt with vulcanized splice
- High-torque, variable-speed dual hydraulic motor drive
- Primary belt cleaner

Under Crusher Conveyor

- Nominal 42 in (1,050 mm) wide belt
- EP630, 2-ply belt with vulcanized splice
- Dual hydraulic motor drive
- Removable for maintenance
- Primary belt cleaner

Power & Hydraulics

- CAT C13B T4F/Stage V diesel, 496 hp (370kW)
- 200 gallon (757 L) fuel tank
- Hydrostatic pump group
- 210 gallon (795 L) hydraulic tank with return filter
- 20 gpm (76 L/min) aux circuit for off-plant conveyor

Control System

- TRAC10® control system with touchscreen
- Radio remote control with backup tether
- Crusher overload protection system (OPS)
- Automatic crusher feed regulation
- System fault tracking and storage

Dust Suppression System

- Manifold for customer filtered water supply
- Spray bars under crusher hopper, under-crusher conveyor head pulley and under-crusher conveyor mid-point
- Manifold-located ball valves for each spray bar

Optional Equipment

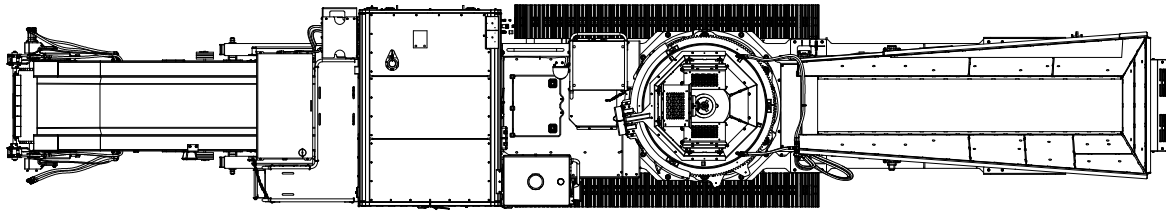
- Feed hopper bridge breaker
- Extended under crusher conveyor, 42 in (1,050 mm) wide, folds for transport
- Fixed, manual clean magnet with access platform and ladder
- Return conveyor, 24 in x 28 ft (600 mm x 13.4 m), fold for transport
- CAT C13B T3 diesel, 496 hp (370 kW)
- Engine enclosure filter kit
- Immersion heater for hydraulic tank
- Additional cone crusher lube tank heater
- Extreme cold weather lubrication
- Lighting package
- Security lock kit

Physical/Operating Characteristics

| Dimension | Standard | Metric |
|--------------------------------------|------------|--------|
| Base Unit Weight* | 104,000 lb | 47.2 t |
| Transport Width | 9' 10" | 3.0 m |
| Transport Length | 56' 7" | 17.3 m |
| Transport Height | 11' 7" | 3.5 m |
| Operating Width | 9' 10" | 3.0 m |
| with return conveyor | 11' 9" | 3.6 m |
| Operating Length | 52' 2" | 15.9 m |
| with extended under crusher conveyor | 56' 11" | 17.4 m |
| Operating Height | 14' 11" | 4.6 m |
| Feed Height | 10' 6" | 3.2 m |
| with extended under crusher conveyor | 12' 6" | 3.8 m |

* Base unit weight does not include options

Operation



Transportation

