

CS4250CC

Portable Closed Circuit HSI Plant



Vibrating Grizzly Feeder Module

- 12.6 cubic yard (9.6 cubic meter) hopper capacity
- Hopper fabricated from ½ in (13 mm) steel with mounting skid
- 50 in x 18 ft (1,270 x 5,490 mm) vibrating grizzly feeder with grease lubrication
- 5 ft (1,525 mm) long adjustable grizzly, 4 in (100 mm) standard bar spacing
- ¾ in (20 mm) mild steel deck liner
- 30 hp (22 kW) motor with pivot base and v-belt drive

Impact Crusher - 4250 HSI

- Three bar rotor, MPR segmented design - 42 in (1,070 mm) diameter x 50 in (1,270 mm)
- Feed opening 50 x 36 in (1,270 x 915 mm)
- Apron setting range 2 - 6 in (50 - 130 mm) upper and 1 - 4 in (25 - 100 mm) lower
- Fully-lined chamber and apron with abrasion resistant liners
- Independent primary and secondary aprons with hydraulic adjustment
- Hydraulic opening crusher housing for maintenance access

Under Crusher Conveyor

- Nominal 48 in (1,200 mm) wide conveyor
- Three-ply belt with cleaner
- Impact bed under crusher
- 20 hp (15 kW) motor with V-belt drive

Close Circuit Screen And Conveyors

- 5 x 16 ft (1,530 x 4,880 mm) incline screen with two decks
- 30 hp (22 kW) motor with pivot base and V-belt drive
- LESS screen cloth
- Screen discharges both decks to cross conveyor for recirculation
- Nominal 18 in x 8 ft (500 x 2,440 mm) cross conveyor, 3 hp (2.2 kW) motor (reversing conveyor)
- Nominal 18 in (500 mm) wide return conveyor, 5 hp (3.7 kW) motor, folds for transport
- Crusher mounted recirculation chute
- Nominal 48 in (1,200 mm) wide under screen conveyor, 15 hp (11 kW) motor, v-belt drive

Chassis

- Triple-axle suspension, air brakes, lights, mudflaps
- Twelve 11:00 x 22.5 dual-mounted, bias ply tires
- Cribbing supports with folding kingpin support
- Air brakes, travel lights, mudflaps
- Motor mount and V-belt drive for optional power
- Bypass chute under grizzly
- Crusher service platform with access ladder

Options

- 200 hp (150 kW) TEFC crusher motor
- Starter and 60 ft (18.2 m) of cable for crusher motor
- Electric motor controls for basic plant (excluding crusher) NEMA-12 remote panel box with feeder VFD
- Dust suppression system with manifold
- VGF hopper extensions: Brackets for planks, manual fold, or hydraulic fold
- Nominal 18 in x 8 ft (500 x 2,440 mm) cross conveyor, 3 hp (2.2 kW) motor for material over screen top deck
- Four-bar rotor for crusher
- Self-cleaning magnet and support
- Nominal 24 in x 15 ft (600 x 4,570 mm) side delivery conveyor for grizzly fines, 5 hp (3.7 kW) motor, v-belt drive
- Hydraulic level-only jacks, four with 24 in (610 mm) stroke. Plant to be supported by stationary blocking for operation.
- Six hydraulic locking jacks, 5 x 24 in (130 x 610 mm)
- Hydraulic power unit, 8 hp (6 kW) gas engine
- Wear metal options for blow bars
- Steel fenders over all tires
- Radial tires
- Jib crane for blow bar replacement
- Rubber covers at sides of VGF module
- Grizzly bar spacings from 1 - 5 in (25 - 125 mm)
- Screen wire cloth

Physical/Operating Characteristics

Dimension	Imperial	Metric
Travel Length	69'	21 m
Travel Height	14' 1"	4.3 m
Travel Width	12'	3.6m
Total Weight (without options)	131,800 lb	59,800 kg
Travel Weight (without options)	112,500 lb	51,020 kg
Feeder & Hopper	19,300 lb	8,755 kg
Return Conveyor	2,725 lb	1,236 kg
Feed Height	13' 1"	4 m

