



512 R

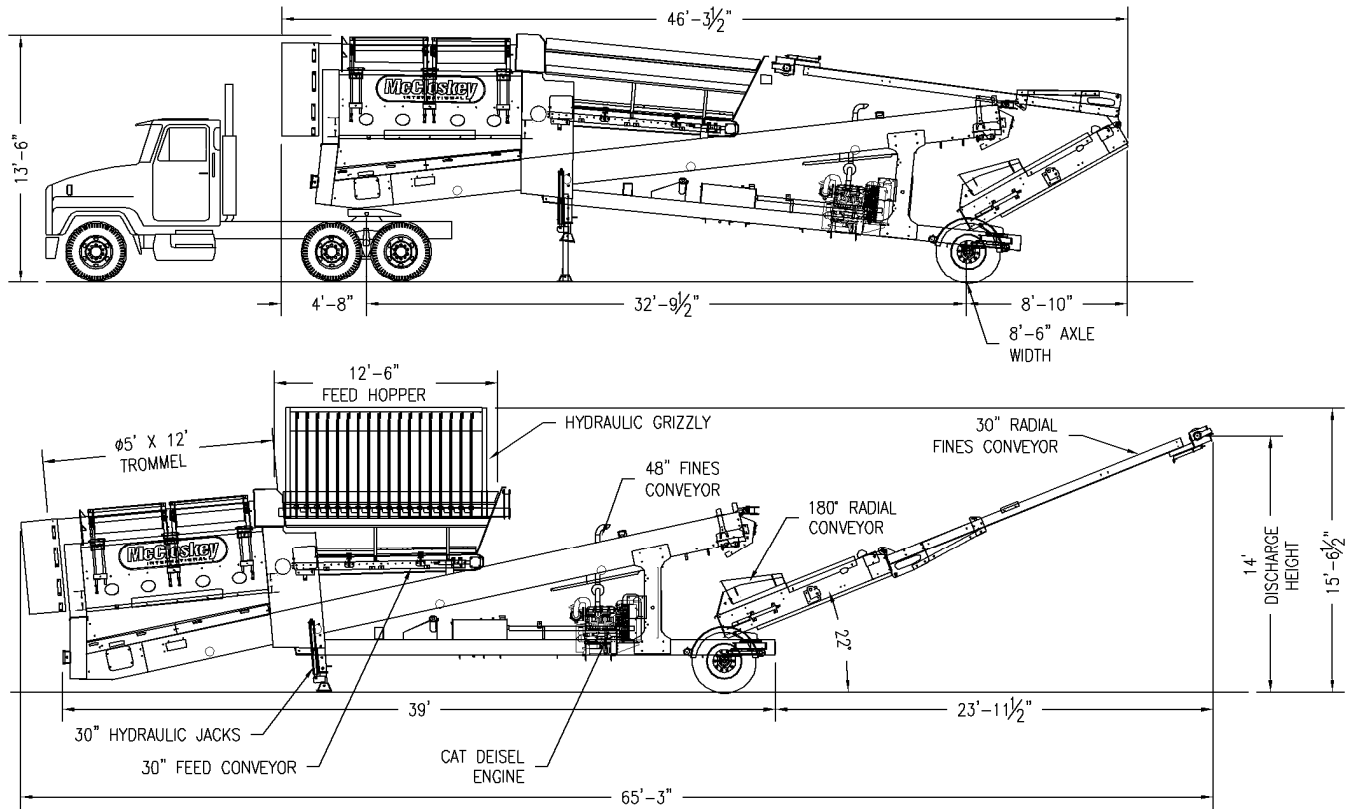
GENERAL MACHINE SPECIFICATIONS

RELEASE: Sept 2012



512R model shown

MACHINE DIMENSIONS



512R model shown with optional Hydraulic Tipping Grid

SPECIFICATIONS:

General

- All welded chassis
- 100 HP (75kW) 4 cylinder, Tier III Caterpillar diesel engine
- Fifth wheel kingpin connection with hydraulic landing gear
- 12'-6" (3.8 m) Feed Hopper 4.5 yd³ (3.4 m³) with 30" wide feeder belt with 9'-6" (2.9 m) load height
- 5' diameter x 12' long rotary trommel containing 2 standard width screen panels
- 48" (1220 mm) wide fines discharge conveyor feeding 30" (762 mm) wide 180° radial stockpiling conveyor
- NO special permits required
- Gross weight 26,960 lb (12,229 kg); 30,360 lb (13771 kg) with optional Hydraulic Tipping Grid
- 78 gallon (295 litre) fuel tank supplies plenty of operating time between refueling.
- 180 gallon (680 litre) hydraulic tank is installed to feed the hydraulic pump, which is directly coupled to the diesel engine.

Chassis

- Formed steel channel with all welded construction
- Removable tow bar for site mobility
- Air brake axle

Feeder

- 12'-6" (3.8 m) Feed Hopper 4.5 yd³ (3.4 m³) 1/4" plate hopper supported directly on chassis
- Variable speed hydraulic driven gearbox with internally coupled 10" (254mm) lagged head pulley
- 30" (762 mm) wide vulcanized belt supported by closely spaced steel rollers
- 10" (254 mm) barefaced tail pulley complete with scraper and manual screw take-up adjustment

Fines Conveyor

- 48" (1220 mm) wide vulcanized belt supported by closely spaced picking and standard equal length idlers
- 10" (254 mm) lagged drive pulley driven by a close-coupled hydraulic motor with tensioned scraper
- 10" (254 mm) barefaced tail pulley complete with scraper, V-plow, and manual screw take-up adjustment
- Self-cleaning rubber disc return idlers

Radial Fines Conveyor

- 30" (762 mm) wide vulcanized belt supported by standard equal length idlers
- 10" (254 mm) lagged drive pulley driven by a close-coupled hydraulic motor with tensioned scraper
- 10" (254 mm) barefaced tail pulley complete with scraper, V-plow, and manual screw take-up adjustment
- Self-cleaning rubber disc return idlers
- Full remote control of 180° radial stockpiling and raise/lower and fold/unfold operations

Trommel Screen

- 5' (1.52 m) diameter x 12' (3.6 m) long trommel drum containing four structural longitudinal angles to provide aggressive screening action.
- High strength crimped and inter-woven screen cloth of generous gauge and required clear opening is installed. The screen cloth is bolted and clamped to the outside of the drum framework.
- Ground adjustable free rotating nylon brushes are mounted in close proximity to the drum and engage the outside of the drum face and cloth area for cleaning purposes.
- Variable speed hydraulic drive powers the trommel drum through four 18" x 7" solid rubber tires. One solid rubber tire provides thrust support for the drum and ensures smooth, quiet operation.
- A fully enclosed, flashed chute embraces the lower half of the trommel and directs the fines materials on to the fines conveyor. This chute has an inclined surface with liner to reduce material build-up.

Options

- Hydraulic Tipping Grid
- Auto Reversing Fan
- Double Brushes
- Auxiliary Hydraulic Circuit
- Punch Plate Screens
- Spare Drum

All specifications listed are current as of this printing but are subject to change.