



512 RET

GENERAL MACHINE SPECIFICATIONS

RELEASE: APRIL 2012



512 RET shown with optional hydraulic tipping grid

McCloskey International Limited

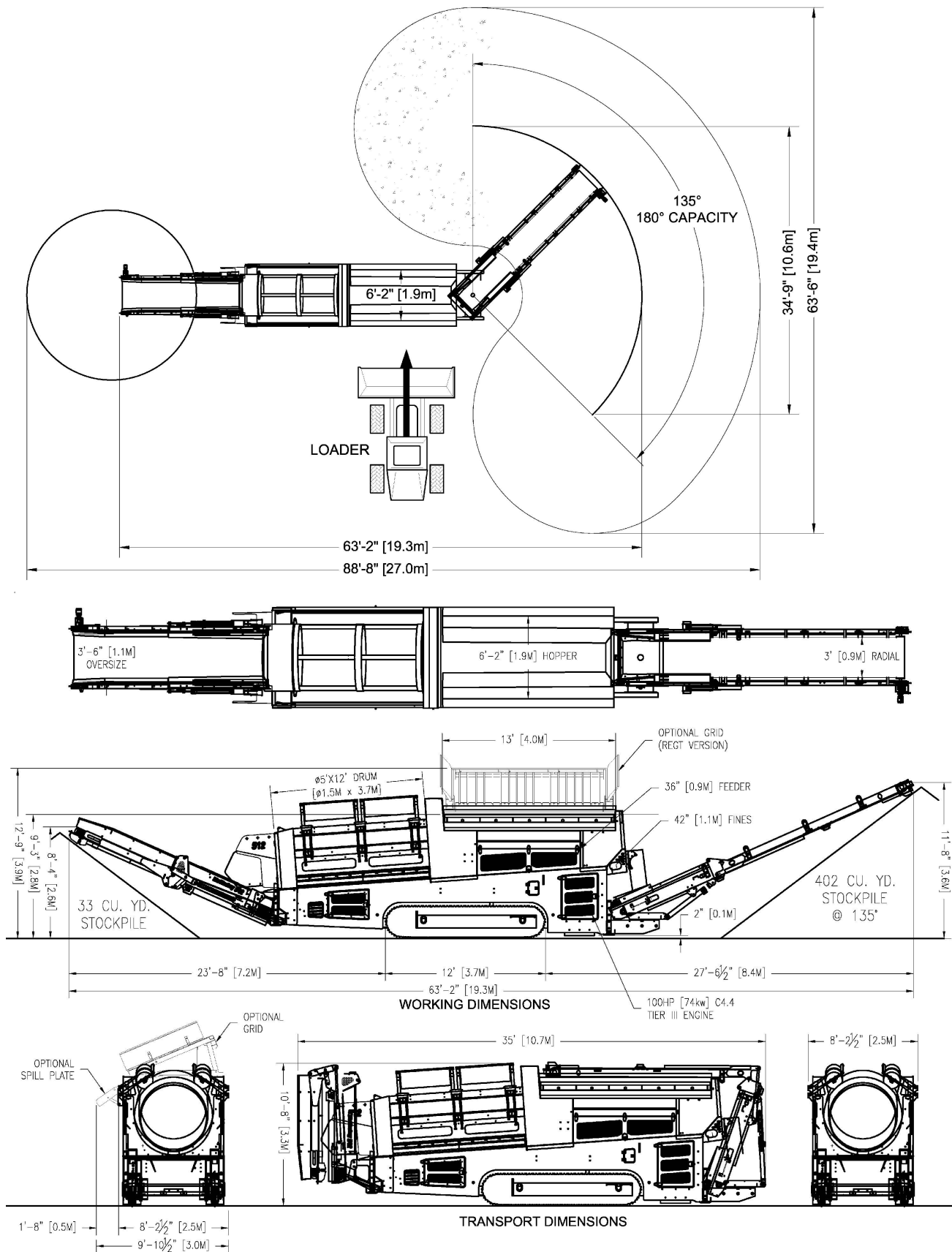
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MACHINE DIMENSIONS



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SPECIFICATIONS:

General

**	Gross weight:	512RET: 42,400 lb. (19,250 kg) standard 512REGT: 46,300 lb. (21,000 kg) with optional tipping grid.	
**	Engine:	C4.4 Tier 3, 100 HP (74kW), 4 cylinder, 4 cycle Caterpillar diesel.	
**	Feed Hopper:	4.0 yd ³ (3.0 m ³) capacity, 13' (4.0m) long x 6'-2" (1.9m) wide Optional remote controlled hydraulic tipping grid or vibrating grizzly	
**	Feed Conveyor:	36" (900 mm) wide belt with 9'-3" (2.8 m) load height standard or 12'-9" (3.9m) with optional Grid	
**	Drum:	5' (1525 mm) diameter x 12' (3.7 m) long rotary trommel containing 2 standard width screen panels	
**	Fines Conveyor:	48" (1200 mm) wide fines discharge conveyor	
**	Radial Conveyor:	36" (900 mm) wide stockpiling conveyor with 180° remote controlled pivot	
**	Oversize conveyor:	42" (1050 mm) wide with hydraulic fold for transport	
**	Tracks:	12' (3.7 m) track drive unit with 16" (400 mm) pads with remote controlled track drive	
**	Tanks:	100 gallon (395 litre) fuel tank supplies plenty of operating time between refueling 160 gallon (600 litre) hydraulic tank	
**	Working Dimensions:	63'-2"(19.3m) x 34'-9"(10.6m) x 12'-9" (3.9m)	[Length x Width x Height]
**	Transport Dimensions:	35' (10.7m) x 8'-2 1/2" (2.5m) x 10'-8" (3.3m)	[Length x Width x Height]
**	Compact modular design, no special permits required		

Chassis

**	Formed steel channel with all welded construction
**	Hydraulic chassis raise and lower for on site moving operation, and transport loading and unloading.
**	Remote controlled 12' (3.7 m) track drive unit with 16" (400 mm) pads

Feeder

**	13' (4.0 m) Feed Hopper 4.0 yd ³ (3.0 m ³) 1/4" (6 mm) plate all welded hopper supported directly on chassis
**	Variable speed hydraulic driven 57:1 gearbox with 12" (305 mm) lagged head pulley
**	36" (900 mm) wide vulcanized belt supported by closely spaced steel rollers
**	10" (254 mm) barefaced tail pulley complete with scraper, V-plow, and manual fully galvanized screw take-up adjustment
**	Optional hydraulic tipping grid or vibrating grizzly

Trommel

**	5' (1525 mm) diameter x 12' (3.7 m) trommel drum with four structural longitudinal angles provide aggressive screening
**	High strength crimped and inter-woven screen cloth of generous gauge and required clear opening 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" (457 mm x 158 mm) solid rubber tires. One solid rubber tire provides thrust support for the drum and ensures smooth, quiet operation.
**	Fully enclosed, lined flashed chute under the trommel directs the fines materials on to the fines conveyor.
**	Optional canvas, rain cover

Fines Conveyor

**	48" (1200 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 Asgco scraper
**	10" (254 mm) barefaced tail pulley complete with scraper, V-plow, and manual fully galvanized screw take-up adjustment
**	Self-cleaning rubber disc return idlers

Radial Conveyor

**	36" (900 mm) wide vulcanized belt supported by standard equal length idlers
**	Self-cleaning rubber disc return idlers
**	8" (203 mm) lagged drive pulley driven by a close-coupled hydraulic motor with Asgco scraper
**	8" (203 mm) barefaced tail pulley complete with scraper, V-plow, and manual fully galvanized screw take-up adjustment
**	Full remote control of patented 180° radial stockpiling and raise/lower operations

Oversize Conveyor

**	42" (1050 mm) wide vulcanized belt with lined impact bed and standard equal length idlers
**	10" (254 mm) lagged drive pulley driven by a close-coupled hydraulic motor
**	10" (254 mm) barefaced tail pulley complete with scraper, V-plow, and manual fully galvanized screw take-up adjustment
**	Hydraulic raise/lower and fold/unfold operations

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

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