

# Technical Description RM MSC8500M-3D



## Trackmobile incline screen RM MSC8500M-3D

### DESCRIPTION

Heavy Duty Mobile Screener with following Features:

- Tracked Mobile
- Heavy Duty High Energy 2 Bearing 3-Deck Screen Box
- Hydraulic raise and lower of head section feed conveyor
- Remote Controlled Tipping grid
- Drop down fines conveyor for easier access to screen deck
- Fast on site setup Time – 20 Minutes

## DIMENSIONS AND WEIGHT

Length – Transport	17700 mm (57' - 11")
Length – Working	18800 mm (61' - 5")
Width – Transport	3000 mm (9' - 10")
Width – Working	17900 mm (58' - 9")
Height – Transport	3500 mm (11' - 2")
Height – Working	6100 mm (19' - 9")
Weight – With tipping grid (Estimated)	35,000 Kg (77,200 lbs.)

## CAPACITIES

Capacity – 14ft Hopper	9.2m <sup>3</sup> (12 yd <sup>3</sup> )
Diesel Tank Capacity	320 L (70 US Gal)
Hydraulic Tank Capacity	415 L (92 US Gal)

## FEED CONVEYOR

Belt Width	1050 mm (42")
Belt Spec	Plain 500/3 5+1.5
Adjustable Speed	0 – 0,25 m/s

## MAIN CONVEYOR

Belt Width	1050 mm (42")
Belt Spec	Plain 500/3 5+1.5
Maximum Speed	2,94 m/s

### Capacity:

Max. 300 t/h	throughput capacity depending on material and screen deck
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## SIDE CONVEYORS

Stockpile Height	5100 mm (16' - 9")
Belt Width	800 mm (31.5")
Belt Spec	Chevron – 315/3 3+1.5
Speed (L/H Over Size Convr)	0 to 2,46 m/s
Speed (R/H Over Size Convr)	0 to 1,93 m/s

## TRANSFER CONVEYOR

Belt Width	650mm (26")
Belt Spec	Plain - 400/3 5+1.5
Maximum Speed	0 to 1,79 m/s

## AUXILIARY CONVEYOR

Stockpile Height	4450 mm (15' - 2")
Belt Width	750 mm (30")
Belt Spec	Chevron – 315/3 3+1.5 C15
Maximum Speed	0 to 1,93 m/s

## TAIL CONVEYOR (FINES)

Belt Width	1200 mm (48")
Belt Spec	Plain – 400/3 5+1.5
Stockpile Height	4960 mm (16' - 2")
Maximum Speed	1,83 m/s

## SCREENBOX

Screens- Top and Middle Deck	5' x 4' Side Tension (4 pic.) 5' x 2' Side Tension (1 pic.)
Screen Dimensions- Top and Middle Deck	5485 mm x 1525 mm (18' x 5')
Screens- Bottom Deck	6' - 10" x 5' - 2" End Tension (3 pic.)
Screen Dimensions- Bottom Deck	4875 mm x 1525 mm (16 'x 5')
Tensioning – Top Deck	Bolted
Tensioning – Bottom Deck	Curved Tension Bar and Adjusters
Screen Angle	20° To 30°
Drive System	Direct Drive with Flexible Coupling
Screen Stroke Adjustable	YES 6-10 mm
Screen Shaft Speed	1120 rpm to 930 rpm



## POWER UNIT AND HYDRAULICS

Engines	CAT C4.4 Tier 3 / Stage 3a. 98 kW @ 2200 U/min. CAT C4.4 Tier 3 / Stage 3aK. 98 kW @ 2200 U/min. Cummins QSL 3.8 L Stage 4/Tier4F, 97 kW@2200
Hydraulic Tank Capacity	415 L (92 US Gal)
Hydraulic Oil Cooler	YES with Thermostat Control
Total System Flow	356 L (78 US Gpm)

## ELECTRICS

Emergency Stops	4 pic, 2 @ Power unit RH&LH 1 @ Walkway 1 @ Feeder
Start Siren	Yes – 10 Second Delay
Engine Shutdowns	Low Oil Pressure High Water Temp Air Filter Blockage Fuel Contamination Low Hydraulic Tank Level
Remote Tipping Grid	YES, Timed
Pendant Track control	YES, Plugged in at Feeder End with E-Stop
Flashing Beacon & Siren	YES, (When Tracked)



## TRACKS

Width	500 mm (19.7")
Length	3800 mm (12' – 6")
Height	800 mm (31.5")
Speed max	0.8 Km/h (0.5 Mph)
Gradeability	24.5°
Max Slope side to side	10°
Attachment to Chassis	Bolt On

## OPTIONS

- Wedge Tensioners on Top Deck
- Live Head (Vibrating Grid)
- Crusher Chute
- Radio Remote Control for Tracks
- Dustbuster Air Cleaner

## SAFETY FEATURES

- External Belt Alignment Points
- Engine Safety Shutdown Systems
- Full Safety Guarding for Nip Points
- CE-Compliance

**The manufacturer reserves the right to make technical updates**