

# Technical Description RM HS7500M



## RM HS7500M Trackmobile Scalping Screen

### DESCRIPTION:

Heavy Duty Mobile Screener with Following Key Features:

- Hydraulic oil cooler fitted as standard (thermostatically controlled)
- 400 mm Wide Crawler Tracks
- Heavy Duty, High Energy 2 Bearing (16' x 5') Screen Box
- Screen Box rises at lower end for bottom deck access
- Screen Box discharge end has virtually parallel sides. **(No Blockages)**
- Tail conveyor fitted with **1.6 m (63")** wide chevron belt.
- Direct feed heavy duty hopper. Belt feeder / apron feeder option
- Integrated folding side conveyors, hydraulically operated
- Fast on Site setup Time – 20 Minutes



## DIMENSIONS AND WEIGHT:

Length – Transport	15.004 mm (49' - 3")
Length – Working	15.310 mm (50' - 3")
Width – Transport	3.000 mm (9' - 10")
Width – Working	13.660 mm (44' - 10")
Height – Transport	3.430 mm (11' - 3")
Height – Working	4.790 mm (15' - 9")
Weight – Estimated	30.400 Kg (67.100 lbs.) with belt feeder

## CAPACITIES:

Capacity – Hopper (Level)	8 m3 (11.7 yd3)
Capacity – Hopper (Level)	15 m3 (19.6 yd3) with extended hopper walls
Diesel Tank Capacity	400 L (88 US Gal)
Hydraulic Tank Capacity	415 L (92 US Gal)

## BELT FEED CONVEYOR:

Belt Width	1400 mm (55")
Belt Spec	Plain SW630/2 9+3
Adjustable Speed	YES
Maximum Speed	0,24 m/s

## COLLECTION CONVEYOR:

Belt Width	1200 mm (48")
Belt Spec	Plain 400/3 5+1.5
Maximum Speed	1,93 m/s

## Capacity:

Max. 450 t/h	throughput capacity deepening on material and screen deck
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## TAIL CONVEYOR:

Stockpile height	3060 mm (10'-0") to 3550 mm (11'-8")
Angle	12° to 24°
Belt Width	1600 mm (63")
Belt Spec	Heavy Duty Chevron 500/3 5+1.5
Adjustable speed	YES
Maximum Speed	1,83 m/s

## MID PRODUCT SIDE CONVEYOR:

Stockpile Height	3766 mm (12' - 4") @ 26°
Angle	3° to 26°
Belt Width	900 mm (36")
Belt Spec	Chevron – 315/3 3+1.5
Adjustable speed	YES
Maximum Speed	0 to 1,79 m/s

## FINE PRODUCT SIDE CONVEYOR:

Stockpile Height	4071 mm (13' - 4") @ 26°
Angle	3° to 26°
Belt Width	900 mm (36")
Belt Spec	Chevron – 315/3 3+1.5
Adjustable speed	YES
Maximum Speed	0 to 2,46 m/s



## SCREENBOX:

Screen Dimensions- Top Deck	4,88 m x 1,525 m (16' x 5')
Screens - Top Deck	5' x 4' Side Tension (4 pic.)
Tensioning – Top Deck	side tensioned bolted
Screen Dimensions- Bottom Deck	4,675 m x 1,525 m (15' x 5')
Screens- Bottom Deck	5' x 5' End Tension (3 pic.)
Tensioning – Bottom Deck	Curved Tension Bar and Adjuster
Screenbox Angle	15° to 20°
Drive System	Direct Drive with Flexible Coupling
Speed Adjustable	YES
Screen Stroke Adjustable	6 – 10 mm max.
Screen Shaft Speed	Factory Set @ 1050 rpm

## POWER UNIT AND HYDRAULICS:

Engine	CAT C4.4 Tier 3 / Stage 3a. 98kW @2200 rpm CAT C4.4 Tier 3 / Stage 3aK. 98kW @2200 rpm Cummins QSL 3.8 L Stage 4/ Tier 4F, 97 kW @2200 rpm
Hydraulic Tank Capacity	415 L (110 US Gal)
Hydraulic Oil Cooler	YES (Thermostatic control)
Total System Flow	345 l/min. (91 US Gpm)

## ELECTRICS:

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

## TRACKS:

Width	400 mm (15.7")
Length	3.310 mm (10' – 10")
Height	739 mm (29.4")
Speed max	0.8 km/h (0.5 Mph)
Gradeability	24.5°
Max slope side to side	10°
Attachment to Chassis	Bolt On



## OPTIONS:

Top deck Bofor bars

Top deck punch plate

Heavy Duty top finger deck

Bottom finger deck

Radio Remote Control for Tracks

Dustbuster Air Cleaner

Plate apron feeder (replaces belt feeder)

Apron Width 1400 mm (55")

Apron Spec 10 mm Hardox apron shoes

## SAFETY FEATURES:

External Belt Alignment Points

Engine Safety Shutdown Systems

Full Safety Guarding for Nip Points

Side conveyors lower horizontal for maintenance

CE Compliance

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