

Technical Description RM HS5000M



RM HS5000M 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 3,66 m x 1,4 m (12' 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 1.2 m (47") 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	13.440 mm (44' - 1")
Length – Working	13.959 mm (45' - 10")
Width – Transport	2.730 mm (9' - 0")
Width – Working	13.163 mm (43' - 2")
Height – Transport	3.200 mm (10' - 6")
Height – Working	4.351 mm (14' - 3")
Weight – Estimated	25.700 Kg (56.700 lbs.) with belt feeder

CAPACITIES:

Capacity – Hopper (Level)	6 m ³ (7.8 yd ³)
Capacity – Hopper (Level)	10 m ³ (13 yd ³) with extended hopper walls
Diesel Tank Capacity	390 L (86 US Gal)
Hydraulic Tank Capacity	415 L (92 US Gal)

BELT FEED CONVEYOR:

Belt Width	1300 mm (51")
Belt Spec	Plain SW630/2 9+3
Adjustable Speed	YES
Adjustable Speed	0 – 0,24 m/s

Capacity:

Max. 300 t/h	throughput capacity depending on material and screen deck
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COLLECTION CONVEYOR:

Belt Width	1200 mm (48")
Belt Spec	Plain 400/3 5+1.5
Maximum Speed	1,57 m/s

TAIL CONVEYOR:

Stockpile height	3260 mm (10'-0") to 3920 mm (12'-10")
Angle	12° to 24°
Belt Width	1200 mm (47")
Belt Spec	Chevron 500/3 5+1.5
Adjustable speed	YES
Maximum Speed	1,83 m/s

MID PRODUCT SIDE CONVEYOR:

Stockpile Height	3670 mm (12' - 0") @ 26°
Angle	3° to 26°
Belt Width	800 mm (31")
Belt Spec	Chevron – 315/3 3+1.5
Adjustable speed	YES
Maximum Speed	0 to 1,46 m/s

FINE PRODUCT SIDE CONVEYOR:

Stockpile Height	3867 mm (12' - 8") @ 26°
Angle	3° to 26°
Belt Width	800 mm (31")
Belt Spec	Chevron – 315/3 3+1.5
Adjustable speed	YES
Maximum Speed	0 to 2 m/s



SCREENBOX:

Screen Dimensions- Top Deck	3.665 mm x 1.215 mm (12' x 5')
Screens - Top Deck	1.370 mm x 1.220 mm (4'-6" x 4'-0") (3 pic.)
Tensioning – Top Deck	Side Tensioned bolted
Screen Dimensions- Bottom Deck	3.335 mm x 1.395 mm (10'-11" x 4'-7")
Screens - Bottom Deck	1.724 mm x 1.395 mm (5'-8" x 4'-7") (2 pic.)
Tensioning – Bottom Deck	Curved Tension Bar and Adjuster. End Tensioned
Screenbox Angle	14° to 20°
Drive System	Direct Drive with Flexible Coupling
Speed Adjustable	YES
Screen Stroke Adjustable	6 – 10 mm max.
Screen Shaft Speed	930 – 1.120 rpm Depends on Stroke (Set @1050rpm)

POWER UNIT AND HYDRAULICS:

Engine	CAT C4.4 Stage Tier 3 / Stage 3ak, 98kW @ 2200 Cummins QSL 3.8 Stage 4 / Tier 4F, 98kW @ 2200
Hydraulic Tank Capacity	415 L (99 US Gal)
Hydraulic Oil Cooler	YES (Thermostatic control)
Total System Flow	375 L/min. (83 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	2.955 mm (9' – 5")
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
Dustbuster Air Cleaner
Bottom finger deck
Radio Remote Control for Tracks

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.