

Technical Description RM HS3500M



RM HS3500M 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 2,73 m x 1,22 m (9' x 4') Screen Box
- Screen Box discharge end has virtually parallel sides. **(No Blockages)**
- Tail conveyor fitted with 1.05 m (42") wide chevron belt
- Direct feed heavy duty hopper with belt feeder
- Integrated folding side conveyors, hydraulically operated
- Fast on Site setup Time – 15 Minutes

DIMENSIONS AND WEIGHT:

Length – Transport	9.880 mm (32' - 5")
Length – Working	11.255 mm (36' - 11")
Width – Transport	2.550 mm (8' - 4")
Width – Working	10.900 mm (36' - 6")
Height – Transport	3.190 mm (10' - 5")
Height – Working	3.685 mm (12' - 1")
Weight – Estimated	16.500 Kg (36.400 lbs.)

CAPACITIES:

Capacity – Hopper (Level)	3 m ³ (4.0 yd ³)
Capacity – Hopper (Level)	5 m ³ (6.5 yd ³) with extended hopper walls
Diesel Tank Capacity	250 L (55 US Gal)
Hydraulic Tank Capacity	350 L (77 US Gal)

BELT FEED CONVEYOR:

Belt Width	1050 mm (42")
Belt Spec	Plain EP500/4 10+3
Adjustable Speed	YES
Adjustable Speed	0 – 0,28 m/s

Capacity:

Max. 200 t/h	throughput capacity depending on material and screen deck
--------------	---

COLLECTION CONVEYOR:

Belt Width	1000 mm (39")
Belt Spec	Plain 400/3 5+1.5
Maximum Speed	1,7 m/s

TAIL CONVEYOR:

Stockpile height	3200 mm (10'-5") to 3430 mm (11'-3")
Angle	0 to 23°
Belt Width	1050 mm (42")
Belt Spec	Chevron 500/3 4+2
Adjustable speed	YES
Maximum Speed	1,7 m/s

MID PRODUCT SIDE CONVEYOR:

Stockpile Height	3145 mm (11' - 0") @ 25°
Angle	3° to 25°
Belt Width	650 mm (26")
Belt Spec	Chevron – 400/3 4+2
Adjustable speed	YES
Maximum Speed	0 to 2,14 m/s

FINE PRODUCT SIDE CONVEYOR:

Stockpile Height	3145 mm (11' - 0") @ 25°
Angle	3° to 25°
Belt Width	650 mm (26")
Belt Spec	Plain – 400/2 4+2
Adjustable speed	YES
Maximum Speed	0 to 2,14 m/s

SCREENBOX:

Screen Dimensions- Top Deck	2.743 mm x 1.220 mm (9' x 4')
Screens - Top Deck	1.370 mm x 1.220 mm (4'-5" x 4') (2 pic.)
Tensioning – Top Deck	Side Tensioned bolted
Screen Dimensions- Bottom Deck	2.743 mm x 1.220 mm (9' x 4')
Screens - Bottom Deck	1.370 mm x 1.220 mm (4'-5" x 4') (2 pic.)
Tensioning – Bottom Deck	Curved Tension Bar and Adjuster. End Tensioned
Screenbox Angle	14°
Drive System	Direct Drive with Flexible Coupling
Speed Adjustable	YES
Screen Stroke Adjustable	6 – 10 mm max.
Screen Shaft Speed	950 – 1.120 rpm depends on stroke

POWER UNIT AND HYDRAULICS:

Engine	Deutz 2.9 L4 Stage 5 / Tier 4F, 49kW @ 2200 rpm
Hydraulic Tank Capacity	350 L (77 US Gal)
Hydraulic Oil Cooler	YES (Thermostatic control)
Total System Flow	168 L/min. (44 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	3051 mm (9' – 5")
Height	595 mm (23.4")
Speed max	0.8 km/h (0.5 Mph)
Gradeability	35.5°
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 1" spacing
Radio Remote Control for Tracks
Hardox Liner Hopper
Extended hoppers walls hydraulically folded

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.