

Technical Description RM HS11000M



RM HS11000M Trackmobile Scalping Screen

DESCRIPTION

Heavy Duty Mobile Screener with Following Features:

- Heavy Duty, High Energy 2 Bearing Screen Box (20' x 6')
- Screen Box rises at lower end for bottom deck access
- Direct feed heavy duty hopper
- Tail conveyor fitted with **1.6m (63")** wide chevron belt.
- Hydraulic oil cooler fitted as standard (thermostatically controlled)
- Integrated folding side conveyors, hydraulically operated
- Fast on Site setup Time – 20 Minutes



DIMENSIONS AND WEIGHT

Length – Transport	16.345 m (55' - 5")
Length – Working	16.650 m (55' - 6")
Width – Transport	3.000 m (9' - 10")
Width – Working	18.730 m (61' - 4")
Height – Transport	3.550m (11' - 7")
Height – Working	5.176m (17' - 0")
Weight – Estimated	37,000 Kg (81.600 lbs.) with feed belt
	39,000 Kg (85.980 lbs.) with plate apron feeder

CAPACITIES

Capacity – Hopper (Level)	8.7 m ³ (11.7 yd ³)
Capacity – Hopper (Level)	15 m ³ (19.6 yd ³) with extended hopper walls
Diesel Tank Capacity	480 L (126 US Gal)
Hydraulic Tank Capacity	650 L (171 US Gal)

FEED CONVEYOR

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

COLLECTION CONVEYOR

Belt Width	1400mm (48")
Belt Spec	Plain 400/3 4+2
Adjustable Speed	max. 2,33 m/s

Capacity:

Max. 600 t/h	throughput capacity deepening on material and screen deck
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TAIL CONVEYOR

Stockpile Height	3765 mm (12'-4")
Angle	12° to 24°
Belt Width	1600 mm (63")
Belt Spec	Heavy Duty Chevron 500/3 5+1.5
Adjustable - Speed	max. 2,46 m/s

MID PRODUCT SIDE CONVEYOR

Stockpile Height	5265 mm (17' - 3") @ 26°
Angle	2° to 26°
Belt Width	1000 mm (40")
Belt Spec	Plain – 400/3 4+2
Adjustable Speed	0 to 1,75 m/s

FINE PRODUCT SIDE CONVEYOR

Stockpile Height	5095 mm (16' - 9") @ 26°
Angle	2° to 26°
Belt Width	1050 mm (42")
Belt Spec	Plain – 400/3 4+2
Adjustable Speed	0 to 2,33 m/s



SCREENBOX

Screen Dimensions- Top Deck	6.1m x 1.83m (20' x 6')
Screens - Top Deck	6' x 4' Side Tension (5 pic.)
Tensioning – Top Deck	Quick Release Wedge
Screen Dimensions- Bottom Deck	5.9m x 1.83m (19' x 6')
Screens - Bottom Deck	6'-5" x 6' End Tension (3 pic.)
Tensioning – Bottom Deck	Curved Tension Bar and Adjuster
Screenbox Angle	13° to 17°
Drive System	Direct Drive with Flexible Coupling
Speed Adjustable	YES
Screen Stroke Adjustable	7 - 10 mm max.
Screen Shaft Speed	Factory Set @ 950 rpm

POWER UNIT AND HYDRAULICS

Engines	Caterpillar C7.1 Tier 3 / Stage 3ak 168 kW @ 2200 rpm Cummins QSL 6.7 Tier 4F / Stage5, 168 kW @ 2200 rpm
Hydraulic Oil Cooler	Yes, with thermostatic control
Total System Flow	470 l/min (103 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	500mm (19.7")
Length	3800mm (12' – 6")
Height	815mm (32")
Speed max	0.8 Km/h (0.5 Mph)
Gradeability	20°
Max Slope side to side	10°
Attachment to Chassis	Bolt On



OPTIONS

Radio Remote Control for Tracks

Wear resistant hopper lining

Extended hopper wing plates hydraulically folded

Magnetic separator on oversize conveyor

Bottom deck punch plates

Bottom deck fingers

Automatic lubrication system

Plate apron feeder (replaces belt feeder)

Apron Width	1400 mm (55")
Apron Spec	10 mm Hardox apron shoes

SAFETY FEATURES

CE Compliance

External Belt Alignment Points

Engine Safety Shutdown Systems

Full Safety Guarding for Nip Points

Side conveyors lower horizontal for maintenance

The manufacturer reserves the right to make technical updates.