

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 |
|--------------|---|

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.