

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

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 | Chevron 500/3 5+1.5mm |
| 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 | 1000 mm (40") |
| Belt Spec | Chevron 500/3 5+1.5mm |
| 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.