

# Technical Description RM MSC5700M-2D



## DESCRIPTION

Heavy Duty Mobile Screener with Following Features:

- Tracked Mobile
- Heavy Duty High Energy 2 Bearing ScreenBox
- Remote Controlled Tipping grid
- Drop down fines conveyor for easier access to screen deck
- Fast on Site setup Time – 10 Minutes

## DIMENSIONS AND WEIGHT

Length – Transport	15850 mm (52' - 0")
Length – Working	16540 mm (54' - 4")
Width – Transport	3000 mm (9' - 10")
Width – Working	18000 mm (58' – 11")
Height – Transport – Tracked	3300 mm (10' - 11")
Height – Working	5400 mm (17' – 8")
Weight – Tracked with tipping grid	27,000 Kg (59,600 lbs)
Weight – Tracked with Live Head	29,800 Kg (65,709 lbs)

## CAPACITIES

Capacity – 14ft Hopper	9.2m <sup>3</sup> (12 yd <sup>3</sup> )
Diesel Tank Capacity	320 L (70 US Gal)
Hydraulic Tank Capacity	460 L (120 US Gal)

## FEED CONVEYOR

Belt Width	1050 mm (42")
Belt Spec	Plain 500/3 5+1.5
Adjustable Speed	0 – 0,25 m/s

## Capacity:

Max. 300 t/h	throughput capacity depending on material and screen deck
--------------	---

## MAIN CONVEYOR

Belt Width	1050 mm (42")
Belt Spec	Plain 500/3 5+1.5
Maximum Speed	1,6 m/s

## TAIL CONVEYOR (FINES)

Stockpile Height – Track Model	3810 mm (12' - 6")
Belt Width	1200 mm (48")
Belt Spec	Plain – 400/3 5+1.5
Maximum Speed	2,33 m/s

## SIDE CONVEYOR

Stockpile Height – Track Model	5000 mm (16' - 5")
Belt Width	650 mm (26")
Belt Spec	Chevron – 315/3 3+1.5
Maximum Speed	0 to 3,10 m/s



## SCREENBOX

Screens- Top Deck	5' x 4' Side Tension (3 pic)
Screen Dimensions- Top Deck	3660 mm x 1525 mm (12' x 5')
Screens- Bottom Deck	5' x 5'- 2" End Tension (2 pic.)
Screen Dimensions- Bottom Deck	3140 mm x 1525mm (10' - 4" x 5')
Tensioning – Top Deck	BOLTED
Tensioning – Bottom Deck	Curved Tension Bar and Adjuster
Screen Angle	25° to 35°
Drive System	Direct Drive with HRC180 Coupling
Screen Stroke Adjustable	YES
Screen Shaft Speed	1130 RPM Standard.

## POWER UNIT AND HYDRAULICS

Engines	CAT C4.4 Tier 3 / Stage 3a. 98kW @ 2200 U/min.
	CAT C4.4 Tier 3 / Stage 3aK. 98kW @ 2200 U/min.
	Cummins QSL 3.8 L Stage 4/Tier4F, 97 kW@2200
Hydraulic Tank Capacity	460 L (121.5 US Gal)
Hydraulic Oil Cooler	YES
Total System Flow	248 L (65.5 US Gpm)

Flywheel Pump 1: Tandem 33cc/rev, 33cc/rev. The first section drives either the screen and fines conveyor or the right track. The second section drives the main conveyor or left track.

Auxiliary Pump 2: Tandem 23cc/rev, 23cc/rev. The first section drives the feeder and tipping grid or the auxiliary control valves. The second section drives the middle grade and oversize conveyors.

## ELECTRICS

Chassis Cabling	SWA Cable
Emergency Stops	4 pic., 2 @ Power unit RH&LH 1 @ Walkway 1@ Feeder
Start Siren	Yes – 10 Second Delay
Engine Shutdowns	Low Oil Pressure High Water Temp Air Filter Blockage Fuel Contamination Low Hydraulic Tank Level
Remote Tipping Grid	YES, Timed
Pendant Track control	YES, Plugged in at Feeder End with E-Stop
Flashing Beacon & Siren	YES, (When Tracked)

## TRACKS

Ratio 1	22:1
Width	400mm (15.75")
Length	2920mm (9' – 7")
Height	739mm (29.4")
Speed max	1.3 Km/h (0.81 Mph)
Gradeability	24.6°
Max slope side to side	10°
Attachment to Chassis	Bolt On



## **OPTIONS**

Live Head

Crusher Chute

Radio Remote Control for Tracks

## **SAFETY FEATURES**

External Belt Alignment Points

Engine Safety Shutdown Systems

Full Safety Guarding for Nip Points CE

**The manufacturer reserves the right to make technical updates.**