



Maximus 518
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SPECIFICATION



MAXIMUS 518



DESCRIPTION:

Heavy Duty Mobile Screener With Following Features:

- 129Hp CAT Engine.
- Tracked Mobile.
- 18 x 5 Heavy Duty High Energy 2 Bearing ScreenBox.
- Remote Control Tipping grid.
- Fast on Site setup Time – 10 Minutes.

DIMENSIONS AND WEIGHT:

Length – Transport	17.8m (58' - 3")
Width – Transport	3m (9' - 10")
Height – Transport	3.4m (11' - 2")
Weight – With Tipping grid (Estimated)	32,000 Kgs (70,560 Lbs)

CAPACITIES:

Capacity – 14ft Hopper	9.2m ³ (12yd ³)
Diesel Tank Capacity	320 Ltrs (84.5 US Gll)
Hydraulic Tank Capacity	500 Ltrs (132 US Gll)

MAIN CONVEYOR:

Motor	Eaton 625cc
Flow Rate	70Lpm (18.5 US Gpm)
Belt Width	1050mm (42")
Belt Spec	Plain 500/3 5+1.5
Drive Drum Dia	292mm (11.5")
Tail Drum Dia	272mm (10.7")
Maximum Speed	112 Rpm



FEED CONVEYOR:

Gearbox	Brevini
Gearbox Torque	7000Nm cont
Gearbox Ratio	1:22.6
Belt Width	1050mm (42")
Belt Spec	Plain 500/3 5+1.5
Drive Drum Dia	343mm (13.5")
Tail Drum Dia	323mm (12.7")
Motor	Eaton 160cc
Flow Rate (23cc Pump)	50Lpm (13.2 US Gpm)
Adjustable Speed	0 – 12 Rpm

TAIL CONVEYOR:

Belt Width	1200mm (48")
Belt Spec	Plain – 400/3 5+1.5
Stockpile Height	4623mm (15' - 2")
Drive Drum Dia	292mm (11.5")
Tail Drum Dia	272mm (10.7")
Motor	Eaton 800cc
Flow Rate (46cc Pump)	96 Lpm (25.3 US Gpm)
Maximum Speed	120Rpm



SIDE CONVEYORS:

Belt Width	800mm (31.5")
Belt Spec	Chevron – 315/3 3+1.5 C15
Stockpile Height	5093mm (16' - 8")
Drive Drum Dia	292mm (11.5")
Tail Drum Dia	272mm (10.7")
Motor (L/H Side Convr)	Eaton 400cc
Flow Rate (L/H Side Convr. 23cc Pump)	48 Lpm (12.7 us Gpm)
Speed (L/H Side Convr)	0 to 120 Rpm
Motor (R/H Side Convr)	Eaton 500cc
Flow Rate (R/H Side Convr. 33cc Pump)	70 Lpm (18.5 us Gpm)
Speed (Over Size Convr)	0 to 137 Rpm

SCREENBOX:

Screens- Top Deck	5' x 4' Side Tension (4 off) 5' x 2' Side Tension (1 off)
Screen Dimensions- Top Deck	5485 x 1525 (18' x 5')
Screens- Bottom Deck	6' - 10" x 5' - 2" End Tension (3 off)
Screen Dimensions- Bottom Deck	4875 x 1525 (16' x 5')
Bearing Type	110mm Bore
Tensioning – Top Deck	BOLTED
Tensioning – Bottom Deck	Curved Tension Bar and Adjusters
Screen Angle	20° To 30°
Screen Motor	Ronzio (78.7cc/Rev)
Drive System	Direct Drive With HRC180 Coupling
Hydraulic Flowrate	96 Lpm (19.5 US Gpm)
Screen Stroke Adjustable	YES 6-10mm
Screen Shaft Speed	1120RPM to 930RPM



POWER UNIT AND HYDRAULICS:

Engine	CAT C4.4 TA (TIER III)
Engine Power	96kw 129hp
Engine Speed	2200 Rpm
Flywheel Pump 1	DBH 5046,5033, 5033
PTO Pump 2	DBH 5023, 5023
Hydraulic Tank Capacity	500 L (132 US Gals)
Hydraulic Oil Cooler	YES With Thermostat Control
Total System Flow	356 L (94 US Gpm)
Fuel Consumption	50% Load = 13.2 Ltrs/ Hour 100% Load = 26.5 Ltrs/ Hour

ELECTRICS

Chassis Cabling	SWA Cable
Emergency Stops	4 off, 2 @ Powerunit 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
Radio Control Tracks	OPTIONAL Hetronic system
Pendant Track control	YES, Plugged in at Feeder End
Flashing Beacon & Siren	YES, (When Tracked)



TRACKS:

Gearbox	Bonfiglioli 709
Ratio	142:1
Width	500mm (19.7")
Length	3800mm (12' - 6")
Height	800mm (31.5")
Motor	Rexroth A2FE 90
Speed max	0.8 Kph (0.5 Mph)
Flow Rate	70 Lpm (18.5 US Gpm)
Gradeability	24.5°
Max Slope side to side	10°
Attachment to Chassis	Bolt On

OPTIONS:

Wedge Tensioners on Top Deck
Live Head (Vibrating Grid)
Crusher Chute
Radio Remote Control for Tracks
Dustbuster Air Cleaner

SAFETY FEATURES:

External Belt Alignment Points
Engine Safety Shutdown Systems
Full Safety Guarding for Nip Points

