

SPECIFICATION



MAXIMUS 512 Tracked Screen

DESCRIPTION:

Heavy Duty Mobile Screener with Following Features:

- 100Hp Tier 3 CAT Engine. 100Hp Stage 3b CAT Engine Europe
- Tracked Mobile
- 12 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	15.88m (53' - 6")
Width – Transport	3.0m (9' - 10")
Height – Transport – Tracked	3.36m (11' - 0")
Weight – Tracked with tipping grid	26,800 Kgs (59,094 Lbs)
Weight – Tracked with Live Head	29,800 Kgs (65,709 Lbs)

CAPACITIES:

Capacity – 14ft Hopper	9.2m ³ (12yd ³)
Diesel Tank Capacity	320 Ltrs (84.5 US Gll)
Hydraulic Tank Capacity	460 Ltrs (121.5 US Gll)

MAIN CONVEYOR:

Motor	Eaton 490cc
Flow Rate	74Lpm (19.5 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	130 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	50Lpm (13.2 US Gpm)
Adjustable Speed	0 – 13 Rpm

TAIL CONVEYOR (FINES):

Belt Width	1200mm (48")
Belt Spec	Plain – 400/3 5+1.5
Stockpile Height – Track Model	3810mm (12' - 6")
Drive Drum Dia	292mm (11.5")
Tail Drum Dia	272mm (10.7")
Motor	Eaton 400cc
Flow Rate	74 Lpm (19.5 US Gpm)
Maximum Speed	180Rpm

SIDE CONVEYOR:

Belt Width	650mm (26")
Belt Spec	Chevron – 315/3 3+1.5
Stockpile Height – Track Model	5000mm (16' - 5")
Drive Drum Dia	292mm (11.5")
Tail Drum Dia	272mm (10.7")
Motor	Eaton 325cc
Flow Rate	50 Lpm (13.2 us Gpm)
Maximum Speed	0 to 145 Rpm

SCREENBOX:

Screens- Top Deck	5' x 4' Side Tension (3 off)
Screen Dimensions- Top Deck	3660 x 1525 (12' x 5')
Screens- Bottom Deck	5' x 5'- 2" End Tension (2 off)
Screen Dimensions- Bottom Deck	3140 x 1525 (10' - 4" x 5')
Bearing Type	22319 – 95mm Bore
Tensioning – Top Deck	BOLTED
Tensioning – Bottom Deck	Curved Tension Bar and Adjuster
Screen Angle	25° to 35°
Screen Motor	Ronzio (64cc/Rev)
Drive System	Direct Drive with HRC180 Coupling
Hydraulic Flowrate	74 Lpm (19.5 US Gpm)
Screen Stroke Adjustable	YES
Screen Shaft Speed	1130RPM Standard.

POWER UNIT AND HYDRAULICS:

Engine	CAT C4.4 TA (Tier 3 US) (Stage 3b Europe)
Engine Power	100 HP 74.5kw
Engine Speed	2200 Rpm
Flywheel Pump 1	DBH 5033, 5033
LH PTO Pump 2	DBH 5023, 5023
Hydraulic Tank Capacity	460 L (121.5 US Gals)
Hydraulic Oil Cooler	YES
Total System Flow	248 L (65.5 US Gpm)
Fuel Consumption	50% Load = 11 Ltrs/ Hour 100% Load = 21 Ltrs/ Hour

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 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
Pendant Track control	YES, Plugged in at Feeder End
Flashing Beacon & Siren	YES, (When Tracked)



Maximus 512
14th April, 2016 Issue 008

TRACKS:

Gearbox	Bonfiglioli 707
Ratio	122:1
Width	400mm (15.75")
Length	2920mm (9' - 7")
Height	739mm (29.4")
Motor	Rexroth 63
Speed max	1.3 Kph (0.81 Mph)
Flow Rate	74 Lpm (19.5 US Gpm)
Gradeability	24.6°
Max slope side to side	10°
Dual Speed	OPTION
Attachment to Chassis	Bolt On



Maximus 512
14th April, 2016 Issue 008

OPTIONS:

Live Head

Crusher Chute

Radio Remote Control for Tracks

Engine (Tier 4i) (Tier 4 Final / Stage 4)

SAFETY FEATURES:

External Belt Alignment Points

Engine Safety Shutdown Systems

Full Safety Guarding for Nip Points CE