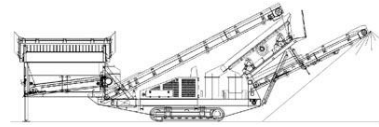


SPECIFICATIONS



McCloskey ***S80***

**DESCRIPTION**

Heavy duty mobile screener with following features:

- 10x4.5 heavy duty high energy 2 bearing screenbox.
- 74.5Kw (100Hp) Cat 4.4 diesel engine.
- Optional 63Kw (84Hp) JCB 444 diesel engine.
- Track or wheel mobile.
- Integrated hydraulic folding stockpiling conveyors.
- Remote control tipping grid.
- Fast on site setup time – 10 minutes.

DIMENSIONS AND WEIGHTS

Length – transport(Track)	13.21m (43' – 4")
Length – transport (Wheel)	13.34m (43' -9")
Width – transport	2.50m (8' – 4")
Height – transport 2 deck track	3.20m (10' – 6")
Height – transport 2 deck wheel	3.69m (12' – 1")
Weight - 2 deck track	19,250 Kgs (42,439 lbs)
Weight - 2 deck wheel	18,200 Kgs (40,124lbs)

CAPACITIES

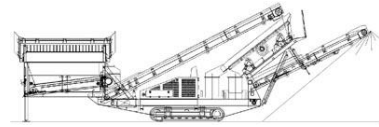
Diesel tank capacity	342 L (75 Gal, 90 US gal)
Hydraulic tank capacity	516 L (114 Gal, 136 US gal)
Hopper capacity	6.00 m ³ (7.85 yd ³) estimated

FEED CONVEYOR

Belt width	900mm (36")
Belt spec	Plain 500/3 5+1.5
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Gearbox	Bonfig 805 W2
Gearbox ratio	24.2
Gearbox torque	7000Nm cont, 12500Nm max
Motor	Danfoss OMSS160 / Eaton
Flow rate	64.2 Lpm (17.0 US gpm)
Adjustable speed	YES
Maximum speed	16.7 rpm

MAIN CONVEYOR

Belt width	900mm (36")
Belt spec	Chervon 400/2 4+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6")
Motor	Danfoss OMT500 / Eaton
Flow rate	72.6 Lpm (19.2 US gpm)
Adjustable speed	OPTION
Maximum speed	145 rpm

**TAIL CONVEYOR**

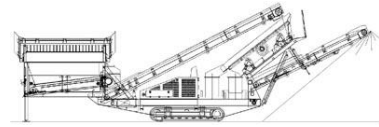
Stockpile height - track model	3790mm (12' – 5")
Stockpile height - wheel model	4100mm (13' – 6")
Belt width	1050mm (42")
Belt spec	Plain – 400/2 4+2
Drive drum dia.	235mm (9.3")
Tail drum dia.	220mm (8.7")
Motor	Danfoss OMH500 / Eaton
Flow rate	72.6 Lpm (19.2 US gpm)
Maximum speed	145 rpm

SIDE CONVEYOR

Stockpile height - track model	4110mm (13' – 6")
Stockpile height - wheel model	4420mm (14' - 6)
Belt width	650mm (26")
Belt spec	Chevron - 400/2 5+1.5 C15
Drive drum dia.	235mm (9.3")
Tail drum dia.	220mm (8.7")
Motor	Danfoss OMH400 / Eaton
Flow rate	64.2 Lpm (17.0 US gpm)
Adjustable speed	YES
Maximum speed	160.5 rpm?

SCREENBOX

Dimensions - top deck	3050mm x 1370mm (10' x 4.5')
Dimensions - bottom deck	2440mm x 1370mm (8' x 4.5')
Bearing type 2 Deck	NSK/RHP 22219
Screens - top deck	4.5' x 4' side tension - 2 off & 4.5' x 2' side tension - 1 off
Screens - bottom deck	8' x 4.5' end tension – 1 off
Tensioning - top deck	Quick release pin and wedge
Tensioning - bottom deck	Curved tension bar and adjuster
Screen angle	27 to 37 deg
Screen motor	DBH MCC2208 (59cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	72.6 Lpm (19.2 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	6 - 10mm maximum
Screen shaft speed	1130 - 950 rpm
Screen 'g' force	4.29 - 5.05

**POWERUNIT AND HYDRAULICS**

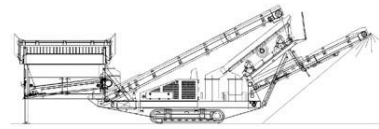
Engine	JCB 444 IPU T3 TC-63
Engine power	63kW (84Hp)
Engine speed	2200 rpm
Flywheel Pump 1	DBH 5033,5033
LH PTO Pump 2 (1.268 ratio)	DBH 5023,5023
RH PTO Pump 3 (1.268 ratio)	DBH 2SPA11
Total system flow	304 L (80.3 US Gpm)
Hydraulic tank capacity	516 L (114 Gal,136 US gal)
Hydraulic tank ratio	1.70 : 1
Hydraulic Oil cooler	YES

ELECTRICS

Emergency stops	5 off, 1 hopper, 2 powerunit RH&LH, 2 chassis front RH&LH
Chassis cabling	Armored cable
Start Siren	YES - 10 sec delay
Engine shutdowns:	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level
Engine room light	YES
Remote tipping grid	YES - 2 function timed
Radio control tracks	optional - Hetric system
Pendant track control	YES - plugged in at feeder end

TRACKS

Width	400mm (15.7")
Length	2500mm (8' - 2") crs.
Height	739mm (2' - 5")
Gearbox	Bonfiglioli 707
Ratio	122:1
Motor	Rexroth 63
Speed max	1.15 Kph (0.82 Mph)
Flow rate	72.6 Lpm (19.2 US gpm)
Attachment to chassis	Bolt On for quick change

**WHEELS**

Width	2500mm (8' – 2.4")
Axle centers	1200mm (3' – 11.2")
Wheels	235/75/R17.5 dual
Axles	2 off
Brakes	YES
Spring suspension	YES
Mudguards	YES
Handbrake	OPTION
ABS	OPTION

OPTIONS

- 2 Deck Rinser
- 2 Deck live Head
- Radio remote control
- Twin axle dual wheel bogie
- Single shaft shredder

SAFETY FEATURES

- External belt alignment points
- External grease points
- Engine safety shutdown systems
- Full safety guarding for nip points

