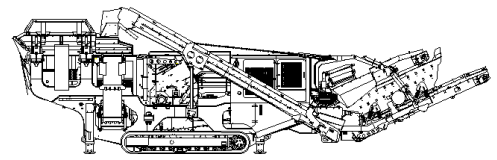


SPECIFICATIONS



McCloskey ***I4R***



DESCRIPTION

Heavy duty track mounted Crusher with following features:

- 1050mm (41.3") diameter x 1125mm (44.3") wide Impactor.
- 416Hp (310kW) CAT LRC or T4/S5, or Volvo, 270 kW (360 Hp) T4/S5 engine.
- Crawler Tracks.
- Integrated hydraulic folding stockpiling conveyors.
- I-beam plate fabricated chassis construction.
- Open chassis design for ease of maintenance.
- Fast setup time.
- Apron adjustment to suit either Secondary or Primary crushing.
- 12'x5' 1.5 or 2 deck recirculating screenbox.

DIMENSIONS AND WEIGHTS

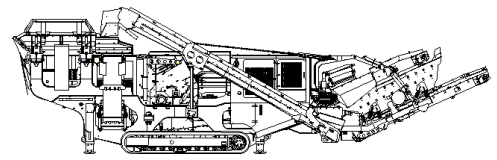
Length – transport	17.17m (56' – 4")
Width – transport	3.50m (11' – 5.8")
Height – transport	3.50m (11' – 5.8")
Weight (estimated)	56,000Kgs estimated inc. magnet & dirt conveyor

CAPACITIES

Diesel tank capacity	535 L (141 US gal)
Hydraulic tank capacity	675 L (178 US gal)

CRUSHING CHAMBER

Feed opening WxH	1150 x 800mm, (45.3 x 31.5")
Impactor rotor	1050mm (41.3") diameter x 1125mm (44.3") wide
Crusher speed	600-675 rpm (33-37.1 m/sec rotor tip speed)
Number of aprons	1
Number of blowbars	4, 2 High and 2 low as standard
Full blowbar weight	307Kg (677lbs)
Crusher Drive	Direct Drive
Feed size	600 x 500 x 500mm lump, (24" x 20" x 20")
Impactor weight	11,065kg (24,392 lbs)
Rotor weight	3,003kg (6,620 lbs)
Closed side setting adjustment	Hydraulic rams, shim system, spring tension.
Speed sensor	YES
Load sensor	Engine load monitoring



LONG PAN FEEDER

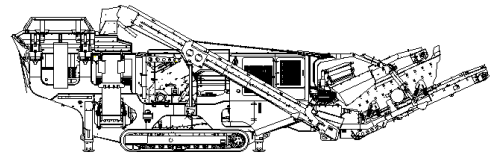
Feeder width	1064mm (41.9")
Feeder length	4047mm (159.3")
Grizzly section opening	Tapered 35-75mm (1.4" – 3")
Grizzly section length	1709mm (67.2")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	63.5 Lpm (16.8 US gpm)
Adjustable speed	YES – via electrical proportional
Variable speed	YES – via electrical proportional
Maximum speed	975rpm

SHORT PAN FEEDER TO SUIT PRESCREEN (option)

Feeder width	1064mm (41.9")
Feeder length	2130mm (83.8")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	63.5 Lpm (16.8 US gpm)
Adjustable speed	YES – via electrical proportional
Variable speed	YES – via electrical proportional
Maximum speed	975rpm

DOUBLE DECK GRIZZLY PRE SCREEN (option)

Prescreen width (inside wearplates)	1064mm (41.9")
Prescreen length overall	2215mm (7' – 3")
Grizzly section opening	Tapered 35-75mm (1.4" – 3")
Grizzly section length	2045mm (80.5")
Bottom deck mesh	1493mm x 1060 (58.8" x 41.7")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	65.9Lpm (17.4 US gpm)
Adjustable speed	NO
Auto stop start system	YES
Maximum speed	975rpm

**HOPPER**

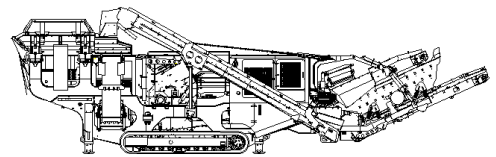
Length overall	4175mm (13' – 8.3")
Width	2342mm (8')
Volume	5.8m ³ (7.6yd ³)
Material	15mm Hardox side plates.
Locking system	Hydraulic side locking wedges.

SIDE CONVEYOR

Stockpile height	3440mm (11' – 3.6") to belt crown
Belt width	650mm (26")
Belt spec	EP 400/3 3+1.5
Drive drum dia.	235mm (9.25")
Tail drum dia.	220mm (8.6") - spoked
Motor	OMH400
Flow rate	43.8 Lpm (11.6 US gpm)
Adjustable speed	YES
Maximum speed	107 rpm

MAIN CONVEYOR

Stockpile height	3619mm (11' – 10.4") to belt crown
Belt width	1200mm (48")
Belt spec	Plain 630/2 9+3 Toughflex
Drive drum dia.	333mm (13.1")
Tail drum dia.	287mm (11.3") – spoked
Motor	OMV630
Flow rate	79.4 Lpm (21.0 US gpm)
Maximum speed	123 rpm
Angle adjustable	YES
Quick release	YES
Dust covers	YES
Low maintenance position	YES (both ends)



FINES CONVEYOR

Stockpile height	2864mm (9' – 4.7")
Belt width	1200mm (48")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	Up to 63.5 Lpm (16.8 US gpm)
Maximum speed	Up to 98.8 rpm

SCREENBOX

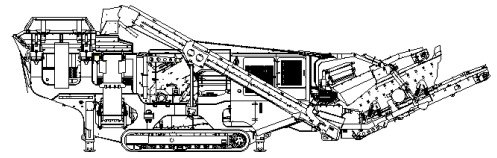
Dimensions - top deck	3660mm x 1525mm (12' x 5')
Dimensions - bottom deck	3050mm x 1525mm (10' x 5')
Bearing type	NSK/RHP 22219
Screens - top deck	5' x 4' side tension - 2 off & 5' x 2' side tension - 2 off
Screens - bottom deck	5' x 4' side tension - 2 off & 5' x 2' side tension - 1 off
Tensioning - top and bottom decks	Quick release pin and wedge
Screen angle	25 deg
Screen motor	DBH MCC2208 (59cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	Up to 63.5 Lpm (16.8 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	8 - 10mm
Screen shaft speed	970 rpm
Screen 'g' force	5.05

TOP DECK TRANSFER CONVEYOR

Belt width	500mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	188mm (7.4")
Tail drum dia.	188mm (7.4")
Motor	OMH500
Flow rate	Up to 63.5 Lpm (16.8 US gpm)
Adjustable speed	YES
Maximum speed	Up to 124.5rpm

MIDDLE DECK CONVEYOR

Stockpile height	1871mm (6' – 1.6")
Belt width	650mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	188mm (7.4")
Tail drum dia.	188mm (7.4")
Motor	OMH500
Flow rate	Up to 63.5 Lpm (16.8 US gpm)
Adjustable speed	YES
Maximum speed	Up to 124.5 rpm
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")



RETURN CONVEYOR

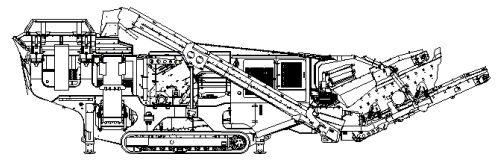
Belt width	650mm (26")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")
Motor	OMH500
Flow rate	Up to 63.5 Lpm (16.8 US gpm)
Adjustable speed	YES
Maximum speed	Up to 124.5 rpm
Radial angle	0 to 90 degrees

POWERUNIT AND HYDRAULICS

Engine option 1	Volvo D11 T4F/Stage V, 270 kW (360 Hp)
Engine option 2	CAT C9.3B T4F/Stage V, 310 kW (416 Hp)
Engine option 3	CAT C9.3 LRC, 310 kW (416 Hp)
Engine speed	1600 to 1900rpm
Clutch	Katsa
Hydraulic tank capacity	675 L (178 US Gals)
Hydraulic Oil cooler	YES

ELECTRICS

Emergency stops	4 off, 2 feeder, 2 powerunit
Chassis cabling	Armored cable
Start Siren	YES – 10 sec delay
Control panel	Tedd Engineering / DSE 12"
Engine shutdowns:	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level High hydraulic oil temperature
Radio control tracks and feeder	STANDARD
Pendant track control	YES – plugged in control cabinet



TRACKS

Track spec	D5 components
Width	400mm (15.7")
Length	3800mm (12' – 5.5") crs
Height	817mm (32")
Gearbox	Bonfiglioli 711 (or equivalent)
Ratio	144:1
Motor	Rexroth A2FE90
Speed max	1.50 Kph (0.93 Mph)
Flow rate	152 Lpm (40.2 US gpm)
Multiple speeds	Three speed system selectable at control panel with smooth start / stop.
Attachment to chassis	Bolt On for quick change

OPTIONS

Main conveyor feedbox.
Bofor options: - 30mm to 50mm and 60mm to 100mm
Hopper Extensions.
Overband magnet with hydraulic raise lower.
Water Pump and dust suppression system.
Various blow bar material options
4 Full height blow bars
Hoist for blowbar changing
Work lights.
Rubber base liners in pan feeder.
Rubber hopper side liners.
Punch plate in Prescreen

SAFETY FEATURES

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

