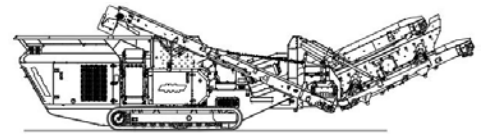


# ***SPECIFICATIONS***



# ***McCloskey*** ***I4CR***

**DESCRIPTION**

Heavy-duty track mounted Crusher with following features:

- 1050mm (41.3") diameter x 1125mm (44.3") wide Impactor.
- 375Hp (280kW) CAT LRC or T4/T5 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.
- Single Deck recirculation screen.
- Swing out radial return conveyor.

**DIMENSIONS AND WEIGHTS**

Length - transport	15.798m (51' – 10")
Width - transport	3.0m (9' – 10")
Height - transport	3.2m (10' – 6")
Weight	41,000 Kgs (90,390lbs) no magnet or dirt conveyor

**CAPACITIES**

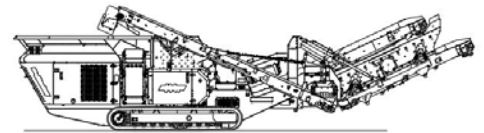
Diesel tank capacity	470L (124 US gal)
Hydraulic tank capacity	500 L (132 US gal)

**IMPACTOR 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

**GRIZZLY FEEDER**

Feeder width	1060mm (41.7")
Feeder length	4250mm (167.3")
Hopper width	2150mm (84.6")
Hopper length	4775mm (188")
Drive	Hydraulic
Motor	Hydreco MCC2210 70.1cc/rev
Grizzly section opening	Tapered 30-50mm or 45-65mm
Grizzly section length	1357mm (53.4")
Flow rate	Up to 70 Lpm (18.5 US gpm)
Adjustable speed	Yes
Maximum speed	970rpm
Volume	3.8m <sup>3</sup> (5.0yd <sup>3</sup> )

**SIDE CONVEYOR**

Stockpile height	2758mm (9' – 1")
Belt width	600mm (24")
Belt spec	Plain - 400/3 3+1.5
Drive drum dia.	254.5mm (10")
Tail drum dia.	220mm (8.6") - spoked
Motor	OMS400
Flow rate	Up to 53.8 Lpm (14.2 US gpm)
Adjustable speed	YES
Maximum speed	Up to 132 rpm

**MAIN CONVEYOR**

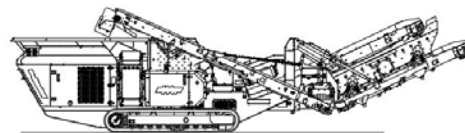
Stockpile height	3753mm (12' – 4")
Belt width	1200mm (48")
Belt spec	Plain - 630/2 9+3 straight warp
Drive drum dia.	350mm (11.8")
Tail drum dia.	289mm (11.4") – spoked
Motor	OMV630
Flow rate	Up to 86.6 Lpm (22.9US gpm)
Maximum speed	Up to 135 rpm
Angle adjustable	YES (when recirc removed)

**FINES CONVEYOR**

Stockpile height	3013mm (9' – 11")
Belt width	1200mm (48")
Belt spec	Plain - 500/3 8+2
Drive drum dia.	350mm (11.8")
Tail drum dia.	289mm (11.4") – spoked
Motor	OMT500
Flow rate	Up to 66.7 Lpm (17.6US gpm)
Maximum speed	Up to 131 rpm

**SCREENBOX**

Dimensions - top deck	3660mm x 1525mm (12' x 5')
Bearing type	SKF 22220
Screens - top deck	5'x4' 3 off, side tension
Screen angle	25°
Screen motor	Hydreco MCC2208 (58.7cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	Up to 66.7 Lpm (17.6US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke	9mm
Screen shaft speed	970 rpm
Screen 'g' force	5.05

**TOP DECK TRANSFER CONVEYOR**

Belt width	600mm (24")
Belt spec	Plain - 400/3 4+2
Drive drum dia.	193.7mm (7.6")
Tail drum dia.	193.7mm (7.6")
Motor	OMH500
Flow rate	Up to 66.7 Lpm (17.6 US gpm)
Adjustable speed	YES
Maximum speed	Up to 131 rpm

**RETURN CONVEYOR**

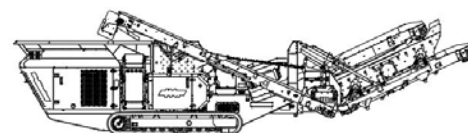
Belt width	500mm (20")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	295mm (11.6")
Tail drum dia. (Spoked)	193.7mm (7.6")
Motor	OMT500
Flow rate	Up to 66.7 Lpm (17.6 US gpm)
Adjustable speed	YES
Maximum speed	Up to 131 rpm
Radial angle	0 to 180 degrees

**POWERUNIT AND HYDRAULICS**

Engine	CAT C9.3B LRC OR Tier 4/5
Engine power	280 Kw (375 HP)
Engine speed	1600 - 1800 rpm
Impactor drive clutch	PT Tech HPTO12
PTO RH Pump	Hydreco 37/37/23 (PTO ratio 1.3:1)
PTO LH Pump	Hydreco 28.5/28.5 (PTO ratio 1.3:1)
Total system flow (max)	360 Lpm (95.1 US Gpm)
Hydraulic tank capacity	500 L (132 US gal)
Hydraulic tank ratio	1.37 : 1
Hydraulic Oil cooler	YES

**MAGNET**

Belt width	750mm (29.5")
Drive drum dia.	270mm (10.6")
Tail drum dia.	270mm (10.6")
Motor	OMS400
Flow rate	Up to 53.8 Lpm (14.2 US gpm)
Reversible	YES
Single Pole	YES

**ELECTRICS**

Emergency stops	4 off, 1 powerunit, 1 walkway, 2 chassis
Start Siren	YES – 10 sec delay
Control panel	Tedd Engineering / IFM 7"
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**

Width	400mm (15.7")
Length	3800mm (12' – 1") crs
Height	815mm (32")
Gearbox	Bonfiglioli 711C3B
Ratio	144:1
Motor	Rexroth A2FE90
Speed max	1 Kph (0.62 Mph)
Flow rate	104 Lpm (27.5 US gpm)
Multiple speeds	3 speeds, selectable on remote control
Creep tracking when crushing	Yes, activate from remote control
Attachment to chassis	Bolt On for quick change

**OPTIONS**

Main conveyor variable speed control  
Water Pump and dust suppression system  
Various blow bar material options  
Work lights  
Refueling pump  
4 Full height blow bars  
Hoist  
Grizzly blanking plate  
Feeder punch plate

**SAFETY FEATURES**

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

