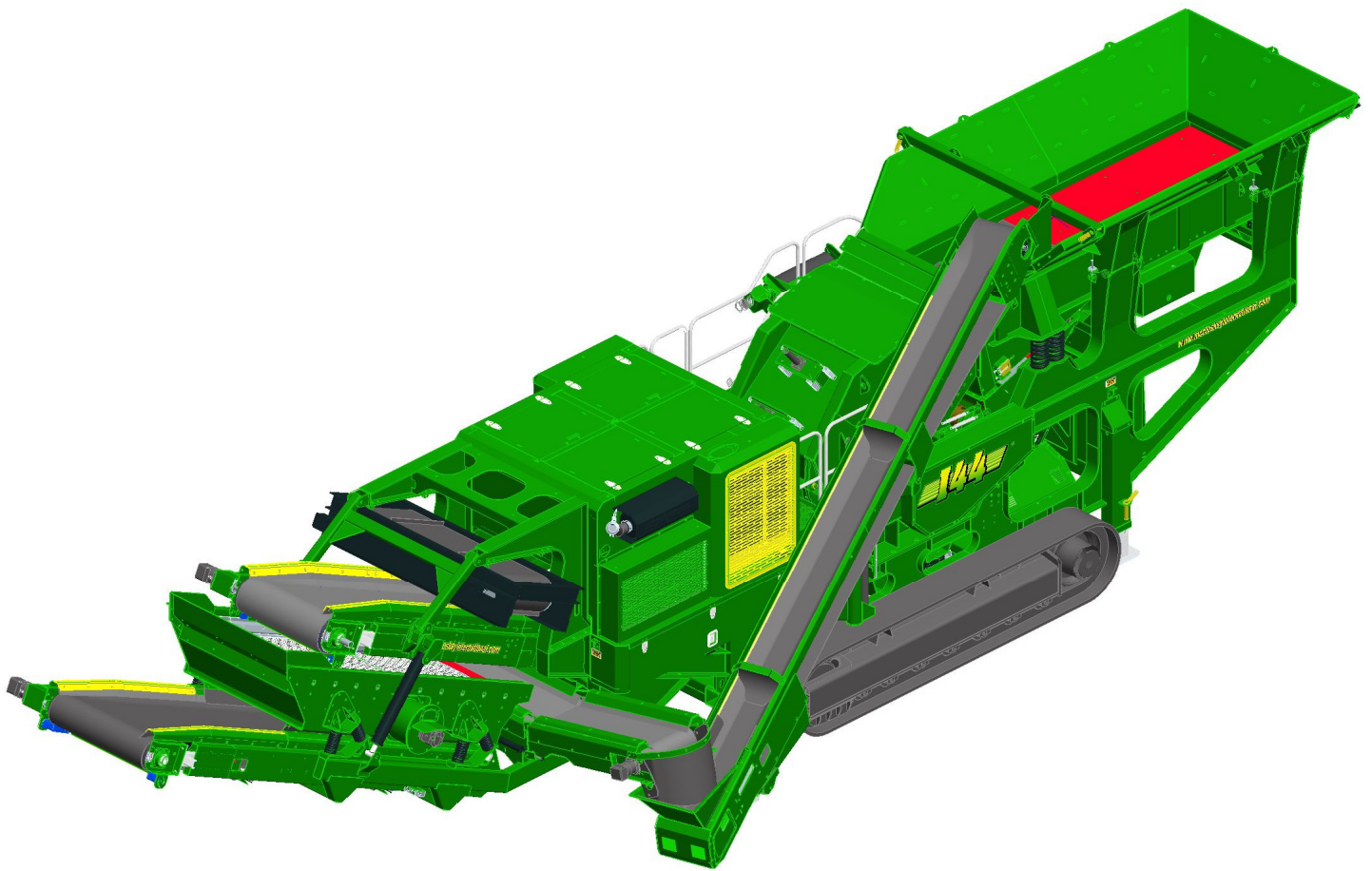
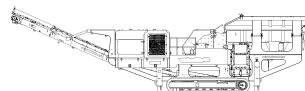


# ***SPECIFICATIONS***



## ***McCloskey*** ***i44R***

**DESCRIPTION**

Heavy duty track mounted Crusher with following features:

- 1050mm (42") diameter x 1100mm (43") wide Impactor.
- 350Hp Cat C9 engine.
- Track or Track c/w Wheel bogie.
- Integrated hydraulic folding hopper.
- Integrated hydraulic folding stockpiling conveyors.
- I-beam plate fabricated chassis construction.
- Open chassis design for ease of maintenance
- Fast setup time
- Vibrating feeder under crusher discharge.

**DIMENSIONS AND WEIGHTS**

Length - transport model	15.348 (50' - 4")
Width - transport all models	3.125m (10' - 3")
Height - transport track	3.40m (11' - 2")
Weight – track	48,535 Kgs (107,000 lbs) inc magnet & Hopper extensions

**CAPACITIES**

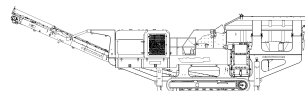
Diesel tank capacity	635 L (168 US gal)
Hydraulic tank capacity	1200 L (317 US Gals)

**IMPACTOR CHAMBER**

Feed opening WxH	1150 x 800mm, (45.3 x 31.5")
Impactor rotor	1050mm (42") diameter x 1100mm (43.3") wide
Crusher speed	600-740 rpm (33-40 m/sec rotor tip speed)
Number of aprons	2 (3 with optional grinding path)
Number of blowbars	4 (3 bar optional)
Full blowbar weight	217 Kg (478 lbs)
Crusher Drive	Hydraulic – V-Belts
Feed size	450 x 450 x 450mm lump, (18" x 18" x 18")
Impactor weight	9,500kg (20,940 lbs) estimated
Closed side setting adjustment	Hydraulic rams, shim system
Motor	Kawasaki axial piston 280cc/rev
Flow rate	400 Lpm (105 US gpm)
Speed sensor	YES
Load sensor	Hydraulic

**PAN FEEDER**

Feeder width	1080mm (42.5")
Feeder length	4050mm (159.4")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	60.8 Lpm (16.1 US gpm)
Adjustable speed	Yes – via mechanical Flow Control
Variable speed	Yes – via electrical proportional
Maximum speed	1060rpm

**HOPPER**

Length overall	4530mm (14' - 10.2")
Width	2222mm (7' - 3.4")
Volume	5.4m <sup>3</sup> (7.4yd <sup>3</sup> )
Material	8mm sides + Hardox liners
Locking system	Wedge type and toggle

**SIDE CONVEYOR**

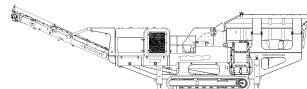
Stockpile height	2480mm (8' - 1.6")
Belt width	650mm (26")
Belt spec	EP 400/3 3+1.5
Drive drum dia.	220mm (8.6")
Tail drum dia.	220mm (8.6") - spoked
Motor	OMT400
Flow rate	43.7 Lpm (11.5 US gpm)
Adjustable speed	YES
Maximum speed	109 rpm

**MAIN CONVEYOR**

Belt width	1050mm (42")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	87.4 Lpm (23.1 US gpm)
Maximum speed	138.7 rpm
Angle adjustable	NO
Quick release	YES

**FINES CONVEYOR**

Stockpile height	2965mm (9' - 9")
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	68.4 Lpm (18.1 US gpm)
Maximum speed	108.6 rpm
Angle adjustable	NO
Quick release	YES

**SCREENBOX**

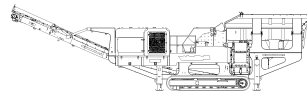
Dimensions - top deck	3050mm x 1525mm (10' x 5')
Bearing type	NSK/RHP 22219
Screens - top deck	5' x 4' side tension - 2 off & 5' x 2' side tension - 1 off
Tensioning - top deck	Quick release pin and wedge
Screen angle	25 deg
Screen motor	DBH MCC2208 (59cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	68.4 Lpm (18.1 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	8 - 10mm
Screen shaft speed	970 rpm
Screen 'g' force	5.05

**TRANSFER CONVEYOR**

Belt width	650mm (26")
Belt spec	Plain 400/3 4+2
Drive drum dia.	200mm (8")
Tail drum dia.	200mm (8")
Motor	OMT400
Flow rate	43.7 Lpm (11.5 US gpm)
Adjustable speed	YES
Maximum speed	109.5 rpm

**RETURN CONVEYOR**

Belt width	500mm (20")
Belt spec	Chevron - 400/3 6+1.5
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")
Motor	OMT400
Flow rate	43.7 Lpm (11.5 US gpm)
Adjustable speed	YES
Maximum speed	109.5 rpm

**PAN FEEDER UNDER IMPACTOR**

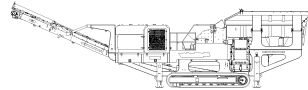
Width	1160mm (45.7")
length	2030mm (80")
Base liners	10mm (3/8") stainless steel
Side liners	12mm (1/2" Hardox 400
Operating angle	13°
Vibrating motor	Twin out of balance mass
Hydraulic motor	2 off Eaton 32.9cc/rev
Fixed speed	YES
Flow rate	87.4 Lpm (23.1 US gpm)

**POWERUNIT AND HYDRAULICS**

Engine	CAT C9
Engine power	261 kW (350 HP)
Engine speed	1900 rpm
Flywheel Pump 1 (Crusher/Tracks)	Kawasaki K3V140DTP
LH PTO Pump 2 (Feeder/Side conveyor)	Turolla 33/23/10
Front PTO Pump 3 (Main conveyor/Pilots)	David Brown 5046
Front PTO Pump 4 (Screenbox/Return conveyor)	David Brown 5036 5023
Total system flow	724.9 Lpm (191.5 US Gpm)
Hydraulic tank capacity	1200 L (317 US Gals)
Hydraulic tank ratio	1.67 : 1
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 / IFM
Engine shutdowns:	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level High hydraulic return line filter backpressure High hydraulic water filter backpressure High hydraulic oil temperature
Radio control tracks and feeder	OPTION
Pendant track control	YES - plugged in control cabinet

**TRACKS**

Width	400mm (15.7")
Length	3400mm (11' – 2") crs
Height	817mm (32")
Gearbox	Bonfiglioli 711 (or equivalent)
Ratio	153:1
Motor	Rexroth 90
Speed max	1.50 Kph (0.93 Mph)
Flow rate	138 Lpm (36.45 US gpm)
Multiple speeds	Three speed system selectable at control panel with smooth start / stop.
Attachment to chassis	Bolt On for quick change

**OPTIONS**

Roll-in bogie system  
Main conveyor variable speed control  
Hopper Extensions  
Overband magnet  
Water Pump and dust suppression system  
Various blow bar material options  
Grinding path  
Work lights  
Belt Scale  
Refueling pump

**SAFETY FEATURES**

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



