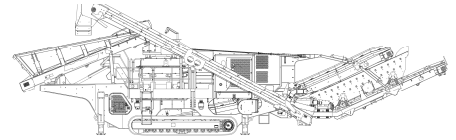


# ***SPECIFICATIONS***



## ***McCloskey*** ***C3R***



### DESCRIPTION

Heavy duty track mounted Crusher with following features:

- MC300 Cone.
- 510Hp D13 Volvo Penta engine.
- Tracked.
- Integrated hopper with folding rear door.
- I-beam plate fabricated chassis construction.
- Large gap between crusher discharge and main conveyor feedboot
- Open chassis design for ease of maintenance
- Fast setup time

### DIMENSIONS AND WEIGHTS

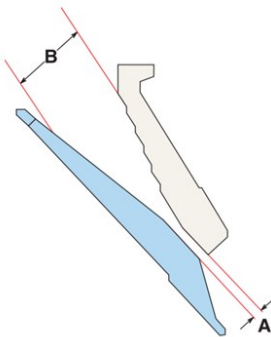
Length - transport all models	20.65m (67' – 9")
Width - transport all models	3.83m (12' – 7")
Height - transport track	3.6m (11' – 9.7")
Weight - track	62,000 Kgs estimated

### CAPACITIES

Diesel tank capacity	1100 L (290 US gal)
Hydraulic tank capacity	800 L (211 US Gals)

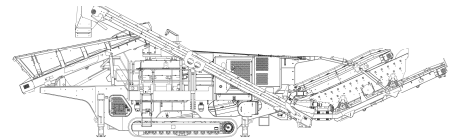
### CRUSHING CHAMBER

Feed opening	1050mm (41")
Crusher input speed	750 - 950 rpm
Crusher Drive	Direct drive
Min. opening	See chart below
Max. opening	See chart below
Cone weight	16,000kg (35,273 lbs)
Closed side setting adjustment	Hydraulic
Level sensor	Ultrasonic
Throw	84mm at discharge with new liners
Power required	300 Hp



### Crusher Cavity Selection

		Standard	
Crusher size	Cavity	Minimum Setting "A"1	Feed Opening "B"2
MC200	Fine	13mm (0.5")	95mm (3.74")
	Medium	17mm (0.67")	125mm (4.92")
	Coarse	19mm (0.75")	185mm (7.28")
MC300	Fine	13mm (0.5")	107mm (4.21")
	Medium	17mm (0.67")	150mm (5.91")
	Coarse	19mm (0.75")	211mm (8.31")
MC400	Medium	20mm (0.79")	198mm (7.8")
	Coarse	25mm (0.98")	252mm (9.92")
	Extra Coarse	30mm (1.18")	299mm (11.77")

**FEEDER**

Feeder opening width	910mm (36")
Feeder drum crs.	6000mm (19' 8.2")
Drive	Hydraulic
Feeder belt width	1200mm (48")
Motor	Danfoss OMSS 125
Gearbox	Bonfig 809 W2 24.2:1
Flow rate	128 Lpm (33.8 US gpm)
Adjustable speed	Yes
Maximum speed	42 rpm

**HOPPER**

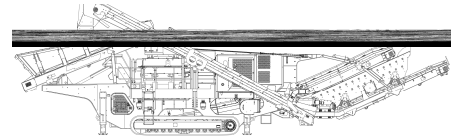
Length	3780mm (12' - 4.9")
Width	2200mm (7' - 2")
Volume	5m <sup>3</sup> (6.5yd <sup>3</sup> ) levelled off, 6.2m <sup>3</sup> (8.1yd <sup>3</sup> ) heaped
Material	6mm sides + 10mm Hardox liners

**MAIN CONVEYOR**

Stockpile height	3887mm (12' - 9")
Belt width	1200mm (48")
Belt spec	Plain 500/3 8+2
Drive drum dia.	350mm (13.7")
Tail drum dia.	270mm (10.6")
Motor	OMV800
Flow rate	89.6 Lpm (23.7 US gpm)
Maximum speed	112 rpm
Angle adjustable	YES
Quick release	YES

**POWERUNIT AND HYDRAULICS**

Engine	Volvo D13 Tier 5 Final or Tier 3
Engine power	380 Kw (510 HP)
Engine speed	1570 - 1900 rpm
Cone drive clutch	PTtech HPTO14TF1
Flywheel Pump 1 (Tracks/Feeder)	Kawasaki K3VL80
Flywheel Pump 2 (Tracks/Main conveyor)	Kawasaki K3VL80
LH PTO Pump 3 (Auxiliary/Lube/pilot)	Turolla 29/29/10
Front PTO Pump 4 (Recirc screen/conveyors)	Turolla 45/36
Total system flow (max)	460.8 Lpm (121 US Gpm)
Hydraulic tank capacity	800 L (211 US Gals)
Hydraulic tank ratio	1.7:1
Hydraulic Oil cooler	YES

**RECIRC SYSTEM - SCREENBOX**

Dimensions - top deck	4287mm x 1830mm (14' x 6')
Bearing type	NSK/RHP 22318
Screens - top deck	6' x 4' side tension - 3 off 6' x 2' side tension - 1 off
Screens - bottom deck	6' x 4' side tension - 3 off
Tensioning	Quick release pin and wedge
Screen angle	25 deg
Screen motor	DBH MCC2208 (58.7cc/rev)
Drive system	Direct drive with HRC150 coupling
Hydraulic flowrate	84.6 Lpm (22.5 US gpm)
Speed adjustable	YES - Pressure compensated FCV
Screen stroke adjustable	8 - 10mm
Screen shaft speed	950 rpm
Screen 'g' force	5.05

**RECIRC SYSTEM - RETURN CONVEYOR**

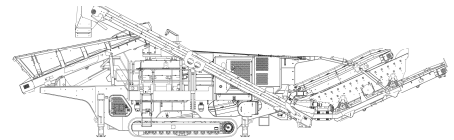
Belt width	650mm (26")
Belt spec	Chevron - 500/3 5+1.5 C15
Drive drum dia.	290mm (11.5")
Tail drum dia. (Spoked)	270mm (10.6")
Motor	OMT500
Flow rate	68.4 Lpm (18 US gpm)
Adjustable speed	YES
Maximum speed	135 rpm
Quick Release	YES
Radial to side for stockpiling	YES

**RECIRC SYSTEM - TRANSFER CONVEYOR OVERSIZE**

Belt width	600mm (23.6")
Belt spec	Plain 600/3 4+2
Drive drum dia.	178mm (7")
Tail drum dia.	187mm (7.36") Spoked
Motor	OMH500
Flow rate	68.4 Lpm (18 US gpm)
Adjustable speed	YES
Maximum speed	135 rpm

**RECIRC SYSTEM - FINES CONVEYOR**

Stockpile height	3085mm (10' - 1.4")
Belt width	1500mm (60")
Belt spec	Plain 500/3 8+2
Drive drum dia.	285mm (11.2")
Tail drum dia.	286mm (11.2") - spoked
Motor	OMV630
Flow rate	85.5 Lpm (22.5 US gpm)
Maximum speed	135 rpm

**RECIRC SYSTEM – TRANSFER CONVEYOR MID PRODUCT (2 deck only)**

Stockpile height	2510mm (8' – 2.7")
Belt width	600mm (23.6")
Belt spec	Plain 600/3 4+2
Drive drum dia.	178mm (7")
Tail drum dia.	187mm (7.36") Spoked
Motor	OMH 500
Flow rate	68.4 Lpm (18 US gpm)
Adjustable speed	YES
Maximum speed	135 rpm

**ELECTRICS**

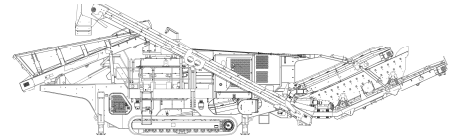
Emergency stops	4 off, 2 feeder, 2 power unit
Chassis cabling	Armored cable
Start Siren	YES – 10 sec delay
Control panel	Tedd Engineering / IFM
Engine shutdowns:	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level Low lube oil flow Low lube oil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

**TRACKS**

Width	400mm (15.7")
Length	4050mm (13' – 3") crs
Height	852mm (33.5")
Gearbox	Bonfiglioli 713
Ratio	142.2:1
Motor	Rexroth 108
Speed max	1.50 Kph (0.93 Mph)
Flow rate	152 Lpm (40.2 US gpm) Three speed system selectable at control panel with smooth start / stop.
Multiple speeds	

**OPTIONS**

Hopper Extensions  
Water Pump and dust suppression system  
Various cone liner options  
Work lights  
Belt Scale



Refueling pump

STANDARD

#### **SAFETY FEATURES**

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



