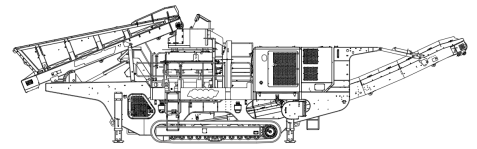


# ***SPECIFICATIONS***



# ***McCloskey***

## ***C3***



## DESCRIPTION

Heavy duty track mounted Crusher with following features:

- MC300 Cone.
- Volvo Penta or CAT engines.
- 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

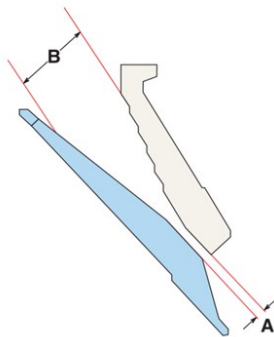
|                               |                             |
|-------------------------------|-----------------------------|
| Length - transport all models | 17.5m (57' - 4")            |
| Width - transport all models  | 3.15m (10' - 4")            |
| Height - transport track      | 3.6m (11' - 9.7")           |
| Weight - track                | <b>49,000 Kgs estimated</b> |

## CAPACITIES

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

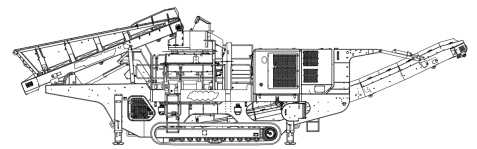
## CRUSHING CHAMBER

|                                |                                   |
|--------------------------------|-----------------------------------|
| 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**

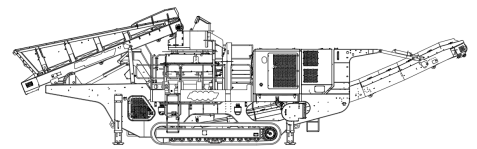
|          |  |
|----------|--|
| Length   | 3780mm (12' - 4.9")  |
| Width    | 2200mm (7' - 2")   |
| Volume   | 5m <sup>3</sup> (6.5yd <sup>3</sup> ) levelled off, 6.2m <sup>3</sup> (8.1yd <sup>3</sup> ) heaped |
| Material | 6mm sides + 10mm Hardox liners   |

**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 or Tier 3<br>CAT C13 Tier 3   |
| Engine power                           | Volvo - 380 Kw (510HP)<br>CAT - 328 Kw (440HP) |
| 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)   | Turola 29/29/10                                |
| Total system flow (max)                | 335 Lpm (88.5 US Gpm)                          |
| Hydraulic tank capacity                | 800 L (211 US Gals)                            |



## 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<br>High water temp<br>Air filter blockage (selectable)<br>Fuel contamination<br>Low hydraulic tank level<br>Low lube oil flow<br>Low lube oil pressure<br>High lube oil temperature<br>High hydraulic oil temperature |
| Radio control tracks and feeder | STANDARD   |
| Pendant track control           | YES – plugged in control cabinet   |

## TRACKS

|                 |   |
|-----------------|---|
| Width           | 400mm (15.7")   |
| Length          | 4100mm (13' – 5.4") crs   |
| Height          | 817mm (32")   |
| Gearbox         | Bonfiglioli 711   |
| Ratio           | 144:1   |
| Motor           | Rexroth A2FE90  |
| Speed max       | 1.50 Kph (0.93 Mph)   |
| Flow rate       | 152 Lpm (40.2 US gpm)<br>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 |

