

# McCloskey

INTERNATIONAL

*McCloskey J45 Jaw Crusher*





## **Introduction**

McCloskey International is now the largest manufacturer of portable track screening, crushing & conveying systems in North America and is the largest privately owned screening, crushing & conveying company in the world today.

With a state of art and ever expanding factory in Peterborough Ontario and another in Ireland, McCloskey is quickly able to cater to and adapt to the needs of our customers in an ever changing market place, with a full range of machinery suited too and designed for each and every application/project.

## *McCloskey J45 45" x 27" Track Jaw Crusher*

**Heavy duty track mounted Crusher with following features:**

- 1118mm (45") x 685mm (27") single toggle jaw.
- 350Hp Volvo Tier 4 Final or CAT C9 / C9.3 Cat engine.
- Track or Track c\w Wheel bogie.
- Integrated hydraulic folding hopper.
- Integrated hydraulic folding stockpiling conveyors.
- 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

# McCloskey

INTERNATIONAL



## CRUSHING CHAMBER

Feed opening 1140 (45") x 688 (27") (peak to trough)

Crusher speed 300 rpm

Crusher Drive Hydraulic – Banded V-Belts

Min. opening 51mm (2") **\*Note Applications**

Max. opening 157mm (6.25") (peak to peak)

Jaw weight 15,246Kgs

Closed side setting adjustment Twin hydraulic ram wedge adjust system

Motor Kawasaki axial piston 530cc/rev

Flow rate 410 Lpm (108.3 US gpm)

Level sensor YES (Ultrasonic)

Load sensor Hydraulic pressure

## POWERUNIT AND HYDRAULICS

Volvo 350HP Tier 4 Final

CAT C9.3 Tier 4i

Engine power Tier 4i Option 261 kW (350 HP)

Engine speed 1900 rpm

Flywheel Pump 1 Kawasaki K3V140DT (set at 83cc/rev)

LH PTO Pump 2 Turolla 5033 5023 5011

Front PTO Pump 3 David Brown 5046

Total system flow 535.8 Lpm (141.5 US Gpm)

Hydraulic tank capacity 1200 L (317 US Gals)

Hydraulic tank ratio 1.87 : 1

Hydraulic Oil cooler YES

## **DIMENSIONS AND WEIGHTS**

Length - working 14.350m (47' – 1")

Length - transport 14.476m (47' – 5.9")

Width - transport 2.5m (8' - 2.5")

Height - transport 3.4m (11' - 1.8")

Weight 43,900 Kgs (96,783 lbs) inc. Magnet and Side conveyor

## **CAPACITIES**

Diesel tank capacity 636 L (168 US gal)

Hydraulic tank capacity 1200 L (317 US Gals)

## GRIZZLY FEEDER (std)

Feeder width 1064mm (41.9")

Feeder length 4240mm (13' - 11")

Drive Hydraulic direct drive

Grizzly section opening (std) Tapered 35-70mm (1.4" – 2.75")

Grizzly section opening (option) Tapered 25-50mm (1" – 2")

Grizzly section length 1325mm (52.2")

Motor David Brown MCC 2208 58.7cc/rev

Flow rate 62.7 Lpm (16.6 US gpm)

Adjustable speed Yes

Maximum speed 960rpm



## **HOPPER**

Length 4530mm (14' – 10.2")

Loading Length 3000mm (9' – 10")

Loading Width 2222mm (7' – 3.4")

Volume 5.6m<sup>3</sup> (7.3yd<sup>3</sup>)

Material 8mm sides + 8mm Hardox liners

Locking system Wedge type and toggle

## **PAN FEEDER (option)**

Feeder width 1064mm (41.9")

Feeder length 2460mm (8' – 1")

Drive Hydraulic direct drive

Motor David Brown MCC 2208 58.7cc/rev

Flow rate 62.7 Lpm (16.6 US gpm)

Adjustable speed Yes

Maximum speed 960rpm

## **PRE SCREEN (option)**

Prescreen width 1064mm (41.9")

Prescreen length 1920mm (6' – 3.5")

Drive Hydraulic direct drive

Grizzly section opening (std) Tapered 35-70mm (1.4" – 2.75")

Grizzly section opening (option) Tapered 25-50mm (1" – 2")

Grizzly section length 1672mm (65.8")

Bottom deck mesh 1050mm x 1050 (3'5" x 3'5")

Motor David Brown MCC 2208 58.7cc/rev

Flow rate 62.7 Lpm (16.6 US gpm)

Adjustable speed NO

Maximum speed 970rpm

## MAIN CONVEYOR

Stockpile height 3880mm (12' – 8.7")

Belt width 1050mm (42")

Belt spec Plain EP500/3 8+2 BREAKER DIN Y

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 YES

Quick release YES

## SIDE CONVEYOR

Stockpile height 2500mm (8' – 2.3")

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

Hydraulic Telescopic 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

Low hydraulic tank level

High hydraulic oil temperature

Radio control tracks and feeder STANDARD

Pendant track control YES - plugged in control cabinet

## Summary / Advantages

- **McCloskey J45 45" x 27" Track Jaw Crusher**
- **Full North American Factory Support – Unlike All European Manufacturers**
- **2 North American Parts Depots**
- **Jaw 27" x 50" Biggest in it's Class**
- **Engine 350hp CAT Tier 4 Interim or Volvo Tier 4 Final**
- **48" Prescreen**
- **Premium Hydraulics**
- **Extended Hopper Option – Can be end fed with loader**
- **Pan Feeder**
- **Full Self Diagnostic Capability – Pin Points any/all Potential Problems**

# McCloskey

INTERNATIONAL



# McCloskey

INTERNATIONAL

