

COMMONWEALTH EQUIPMENT

MATERIAL PROCESSING

NCSA Heavy Equipment

Contract 24-08-0421

Item Number: 902

Model Number: J50

Group: Crushing Equipment

Make: McCloskey International

MSRP: \$1,044,833.00

Model: Jaw

Discount 6%: (\$62,689.98)

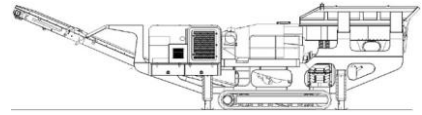
Total Net Price: \$982,143.02

Price Does Not Include Freight

Commonwealth Equipment * 36 Hazleton St * Ashley PA 18706

Phone: 877-217-4474 * commonwealthequipment.com

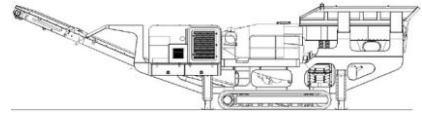
MST03282023



SPECIFICATIONS



McCloskey ***J50 Pre-Screen***



DESCRIPTION

Heavy duty track mounted Crusher with following features:

- 1270 (50") x 735 (29") single toggle jaw.
- 350Hp C9 /C9.3 Cat / 361Hp D11 Volvo 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

DIMENSIONS AND WEIGHTS

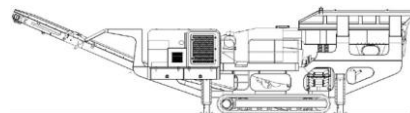
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|-------------------------------|----------------------|
| Length - working all models | 17.072m (56' – 0.1") |
| Length - transport all models | 15.442m (50' – 8") |
| Width - transport all models | 3.0m (9' – 10") |
| Height - transport track | 3.577m (11' – 8.8") |
| Weight - track | 58,700 Kgs |

CAPACITIES

| | |
|-------------------------|----------------------|
| Diesel tank capacity | 800 L (211 US gal) |
| Hydraulic tank capacity | 1800 L (475 US Gals) |

CRUSHING CHAMBER

| | |
|--------------------------------|---------------------------------|
| Feed opening | 1270 (50") x 735 (29") |
| Crusher speed | 280 rpm |
| Crusher Drive | Hydraulic – V-Belts |
| Min. opening | 51mm (2") *Note Applications |
| Max. opening | 175mm (7") (peak to peak) |
| Jaw weight | 18,535kg (40,863 lbs) |
| Closed side setting adjustment | Hydraulic wedge system |
| Motor | Kawasaki axial piston 530cc/rev |
| Flow rate | 440 Lpm (116.2 US gpm) |
| Level sensor | Ultrasonic |
| Load sensor | Hydraulic |

**PAN FEEDER**

| | |
|----------------------------------|-----------------------------------|
| Feeder width (inside wearplates) | 1164mm (45.8") |
| Feeder length | 3075mm (121") |
| Drive | Hydraulic |
| Motor | David Brown MCC 2208 58.9cc/rev |
| Flow rate | 68.4 Lpm (18.1 US gpm) |
| Adjustable speed | Yes – via mechanical Flow Control |
| Variable speed | Yes – via electrical proportional |
| Maximum speed | 975rpm |

GRIZZLY PRE SCREEN

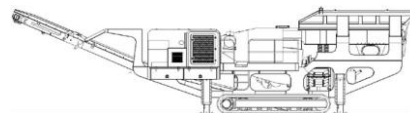
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|-------------------------------------|---------------------------------|
| Prescreen width (inside wearplates) | 1204mm (47.4") |
| Prescreen length overall | 2120mm (6' – 11.4") |
| Grizzly section opening | Tapered 35-75mm (1.4" – 3") |
| Grizzly section length | 1872mm (73.7") |
| Bottom deck mesh | 1200mm x 1220 (47.2" x 48") |
| Drive | Hydraulic |
| Motor | David Brown MCC 2208 58.9cc/rev |
| Flow rate | 68.4 Lpm (18.1 US gpm) |
| Adjustable speed | NO |
| Auto stop start system | YES |
| Maximum speed | 970rpm |

HOPPER

| | |
|----------------|---|
| Length overall | 5374mm (17' - 8") |
| Loading length | 4107mm (13' - 5") |
| Loading width | 2440mm (8') |
| Volume | 6.8m ³ (8.9yd ³) |
| Material | 8mm sides + 10mm Hardox liners |
| Locking system | Wedge type and toggle |

SIDE CONVEYOR

| | |
|------------------|------------------------|
| Stockpile height | 2584mm (8' – 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 | 109.3 rpm |



MAIN CONVEYOR

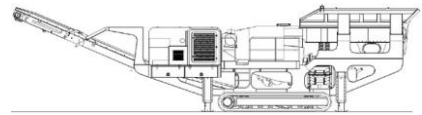
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|------------------|------------------------|
| Stockpile height | 4250mm (13' – 11") |
| Belt width | 1200mm (48") |
| Belt spec | Plain 500/3 8+2 |
| Drive drum dia. | 350mm (13.7") |
| Tail drum dia. | 270mm (10.6") - spoked |
| Motor | OMV630 |
| Flow rate | 87.4 Lpm (23.1 US gpm) |
| Maximum speed | 138.7 rpm |
| Angle adjustable | YES |
| Quick release | YES |

POWERUNIT AND HYDRAULICS

| | |
|------------------------------|----------------------------------|
| Engine Tier 3 Option | CAT C9 / Volvo D11 |
| Engine Teir 4/Stage V Option | CAT C9.3 / Volvo D11 |
| Engine power | 280 kW (375 HP) / 265kW (361 HP) |
| Engine speed | 1900 rpm |
| Flywheel Pump 1 | Kawasaki K3V140DT |
| LH PTO Pump 2 | David Brown 5036 5023 |
| Front PTO Pump 3 | David Brown 5046 2SPA11 |
| Total system flow | 660.4 Lpm (174.5 US Gpm) |
| Hydraulic tank capacity | 1800 L (475 US Gals) |
| Hydraulic tank ratio | 2.73 : 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 Low hydraulic tank level High hydraulic oil temperature |
| Radio control tracks and feeder | STANDARD |
| Pendant track control | YES - plugged in control cabinet |
| Emergency stops | 4 off, 2 feeder, 2 powerunit |
| Chassis cabling | Armored cable |



TRACKS

| | |
|-----------------------|--|
| Width | 500mm (19.7") |
| Length | 3800mm (12' - 6") crs |
| Height | 798mm (31.4") |
| Gearbox | Bonfiglioli 711 |
| 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 |

SAFETY FEATURES

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

