



## **VSA Heavy Equipment**

**Contract 24-05-0713**

**Item Number: 956**

**Model Number: J45**

**Group: Crushing Equipment**

**Make: McCloskey**

**MSRP: \$911,970**

**Model: Jaw**

**Discount 6%: (\$-54,718.20)**

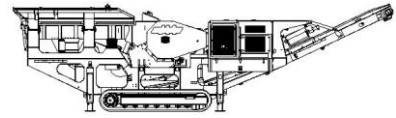
**Total Net Price: \$857,251.80**

Price Does Not Include Freight

Commonwealth Equipment \* 36 Hazleton St \* Ashley PA 18706

Phone: 877-217-4474 \* [commonwealthequipment.com](http://commonwealthequipment.com)

MST03282023

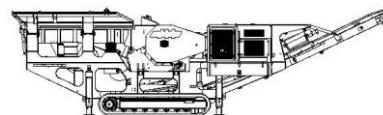


# ***SPECIFICATIONS***



# ***McCloskey***

## ***J45***

**DESCRIPTION**

Heavy-duty track mounted Crusher with following features:

- 1140 (45") x 688 (27") single toggle jaw.
- 350Hp 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

**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	46,740 Kgs (103,044 lbs) inc. Magnet and Side conveyor

**CAPACITIES**

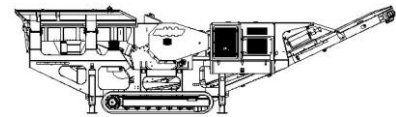
Diesel tank capacity	636 L (168 US gal)
Hydraulic tank capacity	1200 L (317 US Gals)

**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

**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



### **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)**

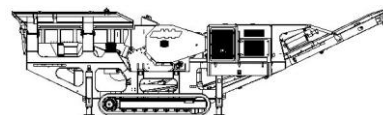
Prescreen width	1064mm (41.9")
Prescreen length	1920mm (6' – 3.5")
Drive	Hydraulic direct drive
Grizzly section opening (std)	Tapered 35-70mm (1.4" – 2.75")
Grizzly section opening (option)	Tapered 25-50mm (1" – 2")
Grizzly section length	1672mm (65.8")
Bottom deck mesh	1050mm x 1050 (3'5"x 3'5")
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	62.7 Lpm (16.6 US gpm)
Adjustable speed	NO
Maximum speed	970rpm

### **HOPPER**

Length	4530mm (14' – 10.2")
Loading Length	3000mm (9' – 10")
Loading Width	2222mm (7' – 3.4")
Volume	5.6m³ (7.3yd³)
Material	8mm sides + 8mm Hardox liners
Locking system	Wedge type and toggle

### **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



### MAIN CONVEYOR

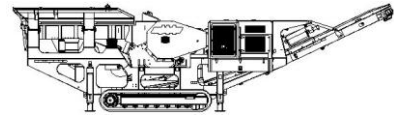
Stockpile height	3880mm (12' – 8.7")
Belt width	1050mm (42")
Belt spec	Plain EP500/3 8+2 BREAKER DIN Y
Drive drum dia.	285mm (11.2")
Tail drum dia.	270mm (10.6") - spoked
Motor	OMV630
Flow rate	87.4 Lpm (23.1 US gpm)
Maximum speed	138.7 rpm
Angle adjustable	YES
Quick release	YES
Alloy dust covers	YES

### POWERUNIT AND HYDRAULICS

Engine Tier 3 Option	CAT C9
Engine Teir 4i Option	CAT C9.3
Engine power Tier 3 Option	205 kW (275 HP)
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

### 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



### **TRACKS**

Width	400mm (15.7")
Length	4194mm (13' - 9") crs
Height	820mm (32.3")
Gearbox	O&K F55
Ratio	148:1
Motor	Integrated 90cc/rev
Speed max	1.8 Kph (1.1 Mph)
Flow rate	100 Lpm (26.4 US gpm)
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

