

MOBICAT PRO

+ The MOBICAT MC 120 PRO jaw crusher is extremely robust and impresses with its low-maintenance operation. The machine therefore guarantees high production outputs. EFFICIENCY - PERFORMANCE - RELIABILITY



01 Feeding unit

- Generously dimensioned basic hopper (12.7 yd³) for quick and easy loading
- Hydraulically foldable; self-locking without any additional work - for fast and safe commissioning



Self-locking hopper walls - for fast and safe commissioning

- Hopper extension (17 yd³)⁺ enables the hopper to be loaded from the side and rear using a wheel loader, for quick load cycles



Easy loading using a wheel loader is possible, loading width of 13' 2" at the rear

⁺ Option

02 Prescreening

- Double-decker prescreen has an extra-large screening surface of 4.2 yd² and swivels independently to ensure effective screening of fine particles in the feed material and higher throughput
- Reduction in wear in the crusher by redirecting medium grain through the crusher bypass
- Bypass flap integrated into the prescreen reduces adhesion for easy redirection of the material stream
- Discharge of fine particles via the side discharge conveyor⁺, which can be flexibly mounted on the right and left for high flexibility on the construction site



Independent double-deck prescreen - effective and productive



Rigid and foldable side discharge conveyor⁺ available - discharge height of 11' 6"

03 Continuous Feed System (CFS)

- Continuous crusher feed thanks to innovative feed control
- Vibrating feeder and prescreen automatically decrease or increase the conveying speed depending on the fill level of the crusher; crusher is always used to optimum capacity



04 Rock hammer⁺

- Easy to operate via separate remote control from a safe workplace overlooking the plant above the crusher
- Remains on machine for transport



05 Crusher unit

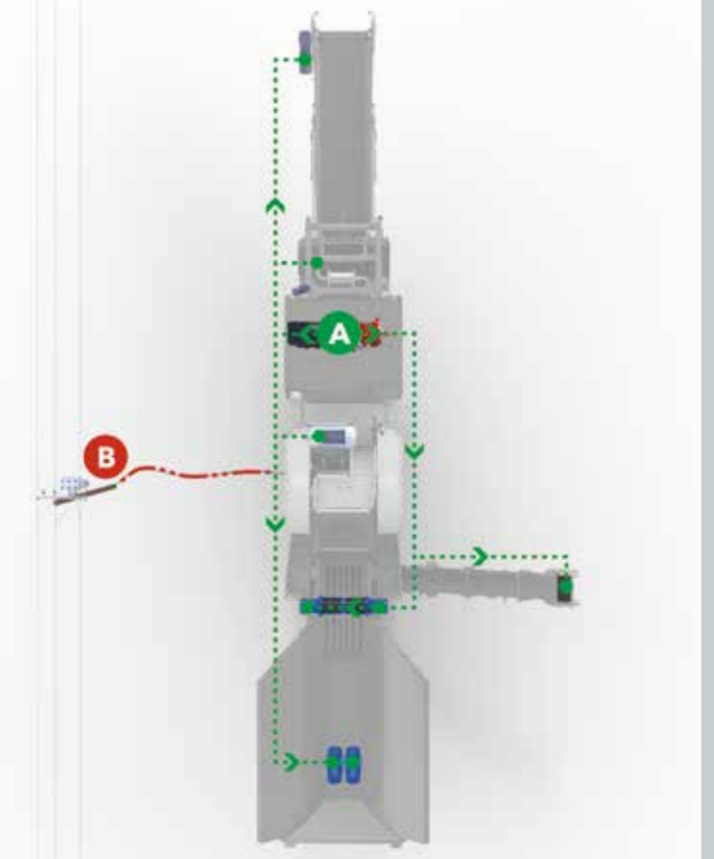


- 1 Convenient gap setting: At the press of a button over the entire setting range
- 2 Optimized crusher geometry with long crusher jaw: High throughput with maximum reliability
- 3 Powerful crusher drive: Powerful 268 hp electric drive for maximum crushing capacity

- 4 Crusher unblocking system⁺: For loosening packed material - enables powerful starting even if the crusher is full and at a standstill
- 5 Gentle material transfer: By deflector plate or crusher discharge chute⁺
- 6 Large selection of crusher jaws for various applications: Regular teeth, flat teeth

06 Drive

- Efficient and powerful diesel-electric drive [A] for low fuel consumption (crusher and all conveyor belts are driven electrically)
- External power supply⁺ [B] for even more efficient use in quarries
- Electrical connection⁺ for supplying other downstream equipment such as a screening plant or a dump belt
- Heat package⁺ (-15 to + 50 °C) or cold package⁺ (-25 to + 40 °C)



Schematic drive layout

07 Control system



Simple and intuitive SPECTIVE control concept

- 12" touch panel with menu-assisted operation, visualisation and help
- All components and functions can be controlled; status display for all components with parameters such as speed, temperature, pressure, etc.; quick fault detection, display in plain text format
- Radio remote control for controlling the feeding unit
- Camera system⁺ for monitoring the crusher and hopper, remote monitor⁺ in the excavator
- WITOS FleetView telematic system for efficient fleet and service management - with information on the operating status of the machines regardless of location and time

08 Crusher discharge conveyor and magnet⁺

- Crusher discharge conveyor**
- Wide and robust crusher discharge conveyor, discharge height of 13' 2"
- Extended conveyor⁺ with a discharge height of 15' 1", can be hydraulically folded
- Complete conveyor housing⁺ for dust reduction - can remain on the conveyor for folding



Crusher discharge conveyor

- Magnetic separator⁺**
- Electromagnet or permanent magnet⁺
- Can be raised and lowered hydraulically via remote control



Magnetic separator⁺

A Accessibility and safety

- Quick and comfortable service thanks to ease of physical and visual access to all components
- All hydraulic cylinders are equipped with safety valves (lowering /brake holding valves); each cylinder remains in its current position in the event of shutdown or malfunctioning
- Simple refuelling from the ground via refuelling pump⁺
- Spray system and LED lighting included in basic plant; premium lighting⁺



Excellent accessibility for servicing



Premium lighting⁺

B Transport

- Can be quickly switched to the transport position



- Weight can be reduced by removing the plant components, e.g. chute and prescreen
- Foldable side discharge conveyor⁺ remains on machine for transport



⁺ Option

TECHNICAL INFORMATION MC 120 Zi PRO

Feed capacity up to approx. (US t/h)	717
Crusher inlet width x depth (inch)	48" x 32"
Feed size max. (inch)	43" x 27"
Transport height approx. (inch)	13' 5"
Transport length approx. (inch)	63' 6"
Transport width approx. (inch)	9' 10"
Transport weight of basic plant - max. configuration (lbs)	159,850 - 188,500

^{*} without options

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