

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 (9,7 m³) 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 (13 m³)⁺ 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 4 m at the rear

⁺ Option

02 Prescreening

- Double-decker prescreen has an extra-large screening surface of 3.5 m² 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 3.5 m

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 chisel⁺

- 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

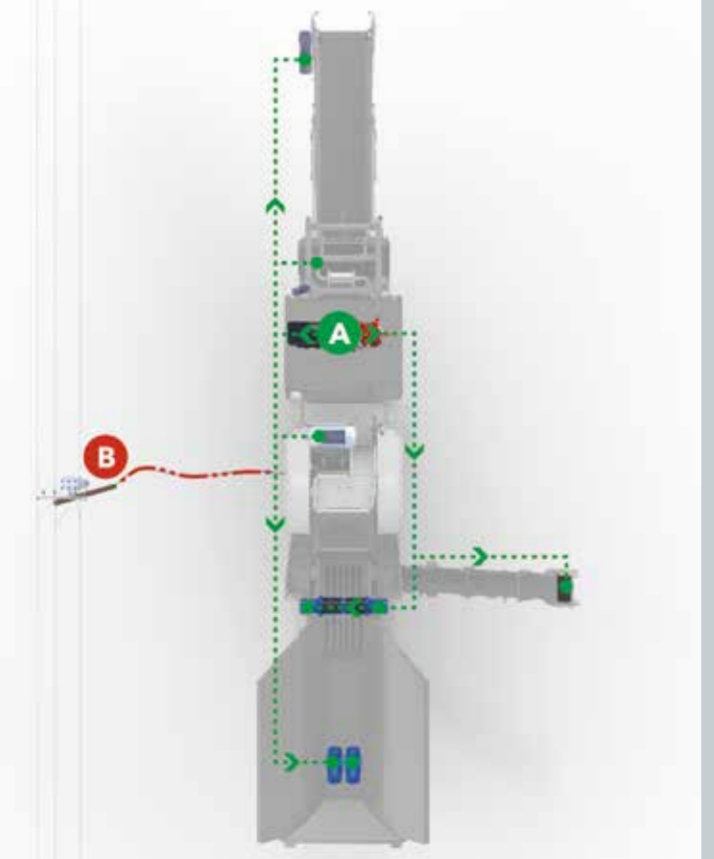


- Convenient gap setting: At the press of a button over the entire setting range
- Optimised crusher geometry with long crusher jaw: High throughput with maximum reliability
- Powerful crusher drive: Powerful 200 kW electric drive for maximum crushing capacity

- Crusher unblocking system⁺: For loosening packed material - enables powerful starting even if the crusher is full and at a standstill
- Gentle material transfer: By deflector plate or crusher discharge chute⁺
- 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 4 m
 - Extended conveyor⁺ with a discharge height of 4.6 m, 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 Z PRO

Feed capacity up to approx. (t/h)	650
Crusher inlet width x depth (mm)	1,200 x 800
Feed size max. (mm)	1,080 x 680
Transport height approx. (mm)	4,100
Transport length approx. (mm) [*]	19,355
Transport width approx. (mm) [*]	3,000
Transport weight of basic plant - max. configuration (kg)	72,500-85,500

^{*} without options

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