

> FAST WORKERS. READY FOR ANY TASK.



MOBICAT MC 100(i) EVO



Focus on Flexibility



Irrespective of whether there is limited space on the building site or job sites change frequently - thanks to compact dimensions and a low transport weight, deployment of the MOBICAT MC 100(i) EVO is flexible, fast and highly versatile. Thanks to the intelligent diesel-direct drive concept, it achieves impressive output values at low consumption levels.

Comfort and safety at a glance



The safe and convenient operation is a top priority with the MC 100(i) EVO.

Functions such as gap setting, which is carried out effortlessly at the touch display, as well as the load reduction system LRS, guarantee safe operation of the plant - also in case of short-term crusher overloading.

The MOBICAT MC 100(i) EVO also impresses with regard to safety: the machine is the first safe crushing plant to be tested and certified by EURO TEST. Whereas a CE marking represents a self-declaration by the machine manufacturer, this certification is awarded by an independent agency.

> TECHNICAL HIGHLIGHTS

MOBICAT MC 100(i) EVO



1 Feeding unit

- > Chassis-integrated vibrating feeder with embedded slotted grate
- > Hopper extension, small[†] (6 m³), rigid version
- > Hopper extension, large[†] (7.1 m³); hydraulic-folding and lockable, convenient operation from the ground

2 CFS Continuous Feed System

- > CFS Continuous Feed System[†] ensures through optimum feed control - for a daily output of up to 10 % more
- > Vibrating feeder and prescreen automatically throttle or increase the conveying speed - depending on the fill level of the crusher:

3 Crusher unit

- > Extra-long crusher jaw: for optimum material intake into the crushing chamber
- > Convenient crusher gap setting thanks to simple input on touch panel and wedge system
- > Crusher unblocking system[†]: Crusher can be reversed to loosen jammed material and to ensure a powerful start-up even if the crusher is filled
- > Deflector plate at the crusher outlet to protect the discharge belt

4 Control system

LRS Load Reduction System

- > To avoid consequential damage during prolonged operation under exceptionally high forces
- > Feed quantity is adjusted and therefore the forces on housing and rocker are reduced
- > When the overload is reduced, the system adapts to the highest possible output



5 Drive

- > Extremely efficient and high-performance crusher direct drive, very favourable consumption values
- > On-board power generator for driving all electric components, e.g. chutes and conveyor belts
- > Independent drive system
- > Heat package[†] (-15 to + 50 °C)

6 Control system

- > Simple control with touch panel and illuminated push-buttons
- > Menu-guided operation with continuous text fault display
- > All components and functions can be controlled
- > Status display of all components
- > Remote control (wired or radio) for convenient control from, e.g. the excavator

7 Magnetic separator and crusher discharge conveyor

Magnetic separator[†]

- > Effective electromagnet or permanent magnet[†]
- > Can be raised and lowered hydraulically via remote control to remove the blockages
- > Discharge, left or right

Crusher discharge conveyor

- > Wide and robust crusher discharge conveyor incl. spray system
- > Foldable extended belt[†] for simple transport
- > Belt scale[†] for crusher discharge conveyor

> Transport

- > High flexibility for changing work locations
- > Short make-ready times thanks to uncomplicated setup
- > Very compact design - for applications in narrow, restricted construction sites (e.g. town centres)
- > Easy transport thanks to hydraulic functions (e.g. side discharge conveyor, crusher discharge conveyor)

> Safety and ergonomics

- > Quick and convenient service possible thanks to ease of physical and visual access to all components
- > Spray system and LED lighting included in the basic plant; premium lighting[†] for extended illumination of work areas
- > Awarded the DGUV and Euro Test certificate as a safe crushing plant

TECHNICAL INFORMATION	MC 100(i) EVO
Feed capacity up to approx. (t/h)	220
Crusher inlet width x depth (mm)	950 x 550
Feed size max. (mm)	855 x 530
Transport height approx. (mm) *	3,200
Transport length approx. (mm) *	12,965
Transport width approx. (mm) *	3,000
Transport weight of basic plant - max. configuration (kg)	31,000 - 38,500
* without options	

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