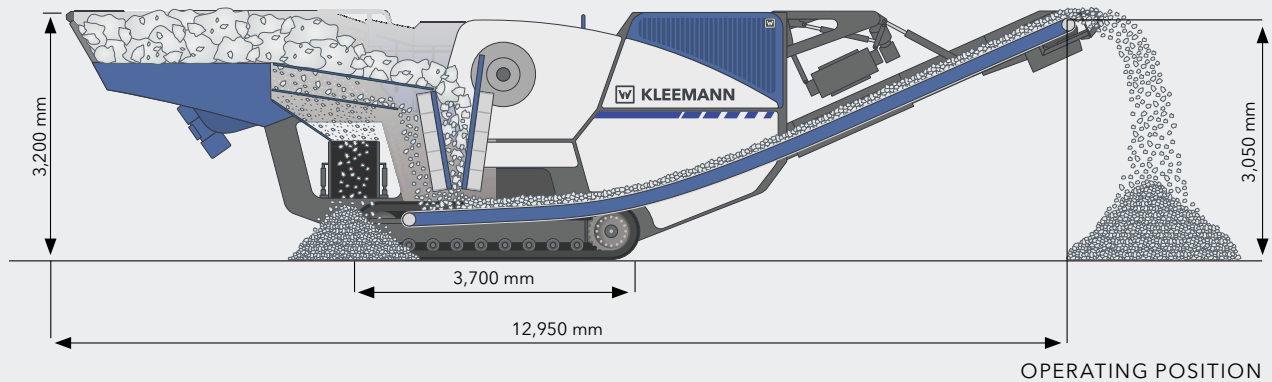




TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

# MOBICAT MC 100(i) EVO





## TECHNICAL HIGHLIGHTS

- Continuous Feed System (CFS) for optimal crusher loading
- Innovative crusher unblocking system for extremely short downtimes
- Efficient and powerful diesel direct-drive
- Easy control via menu-guided touch panel

## TECHNICAL INFORMATION MC 100(i) EVO

### Feeding unit

Feed capacity up to approx. (t/h) <sup>1)</sup>	220
Feed size max. (mm)	855 x 530
Feed height (with extension) (mm)	3,200 (3,720)
Hopper volume (with extension) (m <sup>3</sup> )	3.2 (7.1)
Width x length (with extension) (mm)	1900 x 3,000 (3,100 x 2,800)

### Vibrating feeder with integrated prescreening

Width x length (mm)	870 x 3,940
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### Side discharge conveyor (optional)<sup>2)</sup>

Width x length (extended) (mm)	500 x 2,700 (5,000)
Discharge height approx. (extended) (mm)	2,110 (3,000)

### Crusher

Single-toggle jaw crusher type	STR 095-055
Crusher inlet width x depth (mm)	950 x 550
Crusher weight approx. (kg)	12,000
Crusher drive type, approx. (kW)	direct, 160
Adjustment range of gap width (mm) <sup>3)</sup>	20-130
Crusher gap adjustment	Fully hydraulic

### Crushing capacity<sup>4)</sup>

Crushing capacity with CSS = 60 mm up to approx. (t/h)	95-105
Crushing capacity with CSS = 85 mm up to approx. (t/h)	130-150

### Crusher discharge conveyor

Width x length (extended) (mm)	1,000 x 8,600 (10,100)
Discharge height approx. (extended) (mm)	3,050 (3,660)

### Power supply unit

Drive concept	Diesel direct <sup>5)</sup>
Drive output of Deutz diesel engine (kW)	155 - 165 <sup>6)</sup>
Generator (kVA)	85

### Transport

Transport height approx. (mm)	3,200
Transport length approx. (mm)	12,965
Transport width max. (mm)	3,000
Transport weight of basic plant - max. configuration (kg)	30,000-35,500

<sup>1)</sup> Depending on the type and composition of the feed material, the feed size, the prescreening and the final grain size

<sup>2)</sup> Side discharge conveyor remains attached to the plant for transportation

<sup>3)</sup> CSS: Spike base; the gap width range can be changed using special crusher jaws and/or distance plates

<sup>4)</sup> For hard stone, CSS = Close Side Setting

<sup>5)</sup> All electric auxiliary drives

<sup>6)</sup> Depending on the respective exhaust emission standard



## MOBICAT MC 100(i) EVO

The smallest mobile jaw crusher of the EVO line impresses with its compactness and reliability. Can be used for the most varied of materials, the plant offers wide-ranging possibilities for both demolition companies and contract crushers. Thanks to diesel direct-drive, the MC 100(i) EVO has a lower fuel consumption.

### STANDARD EQUIPMENT

- Hopper walls integrated in chassis
- Frequency-controlled vibrating feeder with integrated prescreening
- Crusher jaws made of high-quality hard manganese-high carbon steel that can be turned to ensure even wear
- Remote control: Cable and radio remote control including switch-off function for feeding unit
- Control via touch panel, lockable control cabinet, protected against dust and vibration
- Water spray system for reducing dust
- Lighting, 3 LED spotlights with extendible lamp pole

### OPTIONS

- Hopper extension up to total hopper volume of approx. 7.1 m<sup>3</sup>, hydraulically foldable and lockable
- Side discharge conveyor, hydraulically foldable, can be used on both sides and available in two lengths: 2.7 m long, drop height approx. 2,110 mm; 5 m long, discharge height approx. 3,000 mm
- Large selection of different prescreen coverings for upper and lower deck
- Grizzly feeder platform in left feed direction next to the chute for maintenance and service activities (standard right)
- Continuous Feed System (CFS) for continuous crusher feed
- Crusher unblocking system for starting up the crusher with filled crushing chamber; forward and reverse operation possible
- Automatic lubrication of crusher bearings
- Electromagnetic separator, permanent magnetic separator, magnet preparation
- Extended crusher discharge conveyor, hydraulically foldable
- Belt scale available for crusher discharge conveyor
- Climate package: Heating package
- 110 V socket
- Line coupling for interlinking with other KLEEMANN plants
- Track pads for the chassis tracks in order to protect the base frame
- Premium lighting



## SPARE PARTS

Cost-effective operation of the machine also requires selection of the correct wear parts. KLEEMANN original parts are ideally tuned to the requirements of users and machines. They are characterised by a long service life, superior quality, high availability and trouble-free assembly. We support our customers with our application know-how and competent advice, which allows them to find the optimum wear part for their specific application

## APPLICATION-SPECIFIC WEAR PARTS

<b>Crusher jaws</b>  RT (regular teeth)  ST (sharp teeth)		<ul style="list-style-type: none"> <li>Balance between service life, energy requirements and crushing pressure</li> <li>Suitable for natural stone and gravel</li> </ul>
<b>Side wedges</b>		<ul style="list-style-type: none"> <li>Protect the crusher housing against wear</li> <li>The practical shape of the side wedges means that they can be fitted quickly without screws</li> <li>The side wedges and crusher jaw together form an ideal crushing chamber for crushing material</li> </ul>
<b>Conveyor belts</b>		<ul style="list-style-type: none"> <li>Endless closed three- or multi-layer conveyor belts are suitable for all requirements in quarries and gravel pits and increase the plant's conveying capacity of the plants</li> <li>Solid rubber edges ensure optimum material transport</li> <li>Elastic rubber intermediate plates reduce impacts from various materials</li> </ul>
<b>Slotted grates</b>		<ul style="list-style-type: none"> <li>Flexible prescreening possible by simply replacing the entire slotted grate</li> <li>Extending the gap width in the direction of material flow ensures continuous screen performance</li> <li>Available in a range of sizes</li> </ul>
<b>Punched plates</b>		<ul style="list-style-type: none"> <li>Reduces strain on the crusher by prescreening fine pieces</li> <li>The offset arrangement of the round holes produces the best separation results</li> <li>Flexible prescreening possible by simply replacing the punched plates</li> <li>Avoids plate-like grit in the product</li> <li>Available in a range of sizes</li> </ul>
<b>Screen surface</b>		<ul style="list-style-type: none"> <li>Screen surfaces are available in a range of mesh types, wire qualities and strengths: <ul style="list-style-type: none"> <li>Square mesh</li> <li>Rectangular mesh</li> <li>Harp mesh (G-harp, W-harp, S-harp, Varia harp)</li> </ul> </li> </ul>

For further information, visit [www.partsandmore.net](http://www.partsandmore.net) or see our "Parts and more" catalogue