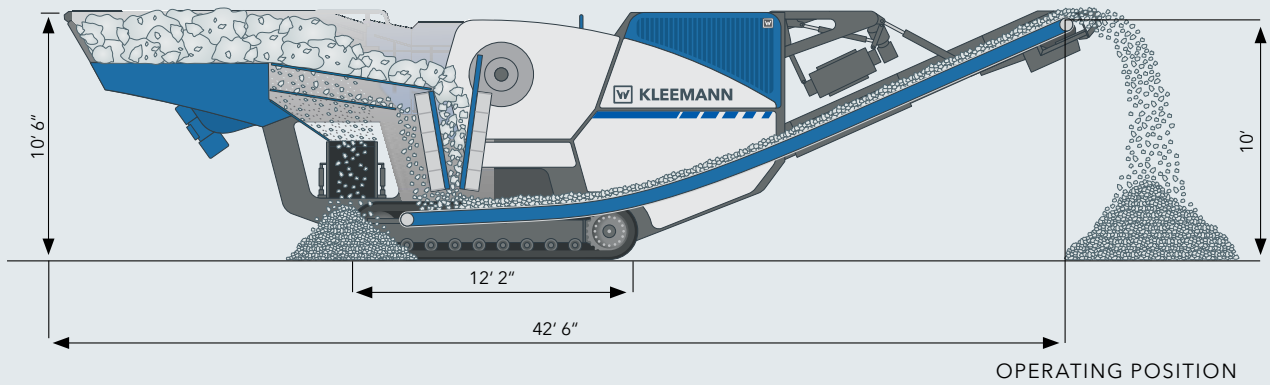


TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

# MOBICAT MC 100 R/100 Ri EVO





## TECHNICAL HIGHLIGHTS

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

## TECHNICAL INFORMATION MC 100 R/100 Ri EVO

### Feeding unit

Feed capacity up to approx. (US t/h) <sup>1)</sup>	243
Feed size max. (inch)	34" x 21"
Feed height (with extension) (inch)	10' 6" (12' 11")
Hopper volume (with extension) (yd <sup>3</sup> )	4,2 (9,3) yd <sup>3</sup>
Width x length (with extension) (inch)	6' 3" x 9' 10" (10' 2" x 9' 2")

### Vibrating feeder with integrated prescreening

Width x length (inch)	34" x 12' 11"
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### Side discharge conveyor (optional)<sup>2)</sup>

Width x length (extended) (inch)	20" x 8' 10" (16' 5")
Discharge height approx. (extended) (inch)	6' 11" (9' 10")

### Crusher

Single-toggle jaw crusher type	STR 095-055
Crusher inlet width x depth (inch)	37" x 22"
Crusher weight approx. (lbs)	26,455
Crusher drive type, approx. (hp)	direct, 215
Gap width adjustment range (inch) <sup>3)</sup>	0.8" - 5"
Gap adjustment	Fully hydraulic

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

Crushing capacity with CSS = 60 mm up to approx. (US t/h)	105 - 116
Crushing capacity with CSS = 85 mm up to approx. (US t/h)	143 - 165

### Crusher discharge conveyor

Width x length (extended) (inch)	39" x 28' 3" (33' 2")
Discharge height approx. (extended) (inch)	10' (12')

### Power supply unit

Drive concept	Diesel direct <sup>5)</sup>
MC 100 R EVO: Deutz (Tier 3/ Stage IIIA) (hp)	221
MC 100 Ri EVO: Deutz (Tier 4f/Stage IV) (hp)	208 hp (1500 rpm)
Generator (kVA)	85

### Transport

Transport height approx. (inch)	10' 6"
Transport length approx. (inch)	42' 6"
Transport width max. (inch)	9' 10"
Transport weight of basic plant - max. configuration (lbs)	66,150 - 78,300

<sup>1)</sup> Depending on the type and composition of the feed material, as well as the feed size, the prescreening and the desired 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



## MOBICAT MC 100 R/100 Ri EVO

The smallest mobile jaw crusher in the EVO range is impressive thanks to its compact design and reliability. It can be used for a huge variety of materials, offering wide-ranging possibilities for both demolition companies and contract crushers. The MC 100 R EVO is economical to use thanks to its diesel-directdrive.

### 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 extendable light pole

### OPTIONS


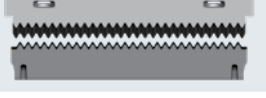
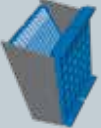

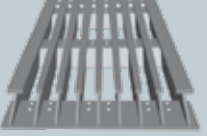
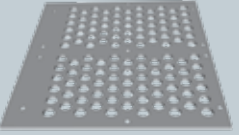
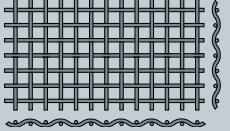
- Hopper extension up to entire hopper volume of approx. 9.3 yd<sup>3</sup>, hydraulically foldable and lockable
- Side discharge conveyor, hydraulically foldable, can be used on both sides and available in two lengths: 8' 10" long, drop height approx. 6' 11"; 16' 5" long, discharge height approx. 9' 10"
- Large selection of different prescreen covering 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 the crusher when the crushing chamber is full, forward and reverse running 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

For the machine to operate efficiently, it is essential that the correct wear parts are used. KLEEMANN original parts are optimally adapted to the requirements of both the user and machine. They stand out thanks to their long service life, high quality, excellent availability and simple installation. We use our application know-how and expert advice to help our customers find the right wear part for their specific needs.

## APPLICATION-SPECIFIC WEAR PARTS

<b>Crusher jaws</b> RT (regular 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>Crusher jaws</b> ST (sharp teeth)		<ul style="list-style-type: none"> <li>☑ The sharp teeth reduce the number of plate-like pieces in the crushed material</li> <li>☑ Recommended for small gap widths (2.36")</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</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 surfaces</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>&gt; Square mesh</li> <li>&gt; Rectangular mesh</li> <li>&gt; 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" catalog