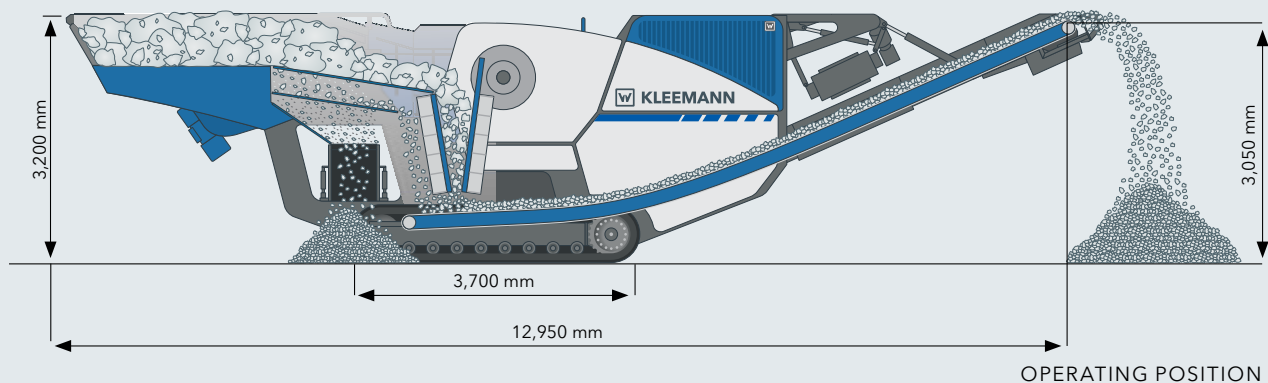


TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

# MOBICAT MC 100 R/100 Ri EVO





## TECHNICAL HIGHLIGHTS

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

## TECHNICAL INFORMATION MC 100 R/100 Ri EVO

### Feeding unit

Feed capacity up to approx. (t/h) <sup>1)</sup>	220
Max. feed size (mm)	900 x 500
Feed height (with extension) (mm)	3,200 (3,720)
Hopper volume (with extension) (m <sup>3</sup> )	3.5 (7.0)
Width x length (with extension) (mm)	1,900 x 3,200 (2,800 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
Gap setting	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>
MC 100 R EVO: Deutz (Tier 3/ Stage IIIA) (kW)	165 (1,500 rpm)
MC 100 Ri EVO: Deutz (Tier 4f/Stage IV) (kW)	155 (1,500 rpm)
Generator (kVA)	85

### Transport<sup>6)</sup>

Transport height approx. (mm)	3,200
Transport length approx. (mm)	12,950
Transport width max. (mm)	3,000
Transport weight approx. (kg)	30,000

<sup>1)</sup> depending on the type and composition of the feed material, the feed size, prescreening and the final grain size to be achieved

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

<sup>3)</sup> CSS: Top - bottom; the gap width can be adjusted by the use of special crusher jaws and / or distance plates

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

<sup>5)</sup> all auxiliary drives, electric

<sup>6)</sup> without options



## MOBICAT MC 100 R/100 Ri 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 R EVO has a lower fuel consumption.

### STANDARD EQUIPMENT

- Hopper walls integrated in the chassis
- Frequency-controlled vibrating feeder with integrated prescreening
- Jaw crusher with crusher jaws made of high-grade manganese-high carbon steel
- Remote control: wired and radio remote control incl. switch-off function for feeding unit
- Control system with touch panel, lockable control cabinet, dust- and vibration-protected
- Water spraying system for dust reduction
- Lighting, 3 LED spotlights with extendable lamp pole

### OPTIONS

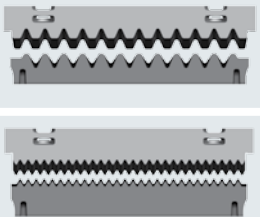



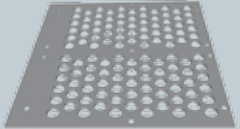
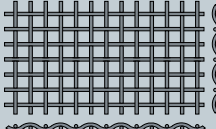
- Hopper extension up to a total hopper volume of 7 m<sup>3</sup>, hydraulic folding and lockable
- Side discharge conveyor, hydraulic folding, can be used on both sides and available in two lengths: 2.7 m length, discharge height approx. 2,110 mm; 5 m length, discharge height approx. 3,000 mm
- Large selection of different prescreen coverings for lower and upper deck
- Grizzly feeder platform in conveying direction left beside the vibrating 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
- Crusher jaws made of high-quality manganese-high carbon steel, which can be turned for even wear
- Automatic lubrication of the crusher bearings
- Electric separator, permanent magnetic separator, magnet preparation
- Extended crusher discharge conveyor, hydraulic folding
- Climate packages: heat package
- Socket 110 V
- Line coupling for interlinking with further KLEEMANN plants
- Track pads for the chassis chains to protect the ground



## 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-DEPENDENT WEAR PARTS

<p><b>Crusher jaws</b></p> <p>RT (regular-teeth)</p> <p>ST (sharp-teeth)</p>		<ul style="list-style-type: none"> <li>☑ Balanced in relation to service life, energy requirements and crushing pressure</li> <li>☑ Suitable for natural stone and gravel</li> </ul>
<p><b>Lateral wedges</b></p>		<ul style="list-style-type: none"> <li>☑ For protecting the crusher housing against wear</li> <li>☑ Practical design of lateral wedges makes fast assembly without screws possible</li> <li>☑ Lateral wedges, together with the crusher jaw, form an optimum crushing chamber for material crushing</li> </ul>
<p><b>Conveyor belts</b></p>		<ul style="list-style-type: none"> <li>☑ Endless, closed, three- or multi-layered conveyor belts are suitable for all requirements in a quarry and gravel pit and increase the conveying capacity of the plants</li> <li>☑ Full-rubber edges guarantee optimum material transport</li> <li>☑ Resilient rubber intermediate links dampen impacts of different materials</li> </ul>
<p><b>Slotted grates</b></p>		<ul style="list-style-type: none"> <li>☑ Flexible prescreening possible through simple replacement of the complete slotted grate</li> <li>☑ Increasing the gap width in material flow direction guarantees a continuous screening output</li> <li>☑ Available in different sizes</li> </ul>
<p><b>Punched plates</b></p>		<ul style="list-style-type: none"> <li>☑ Relieve load on the crusher through prescreening of the fines</li> <li>☑ The offset arrangement of the round holes produces the best possible separation results</li> <li>☑ Flexible prescreening possible through simple replacement of the punched plates</li> <li>☑ Prevent laminated grain in the product</li> <li>☑ Available in different sizes</li> </ul>
<p><b>Screen surfaces</b></p>		<ul style="list-style-type: none"> <li>☑ Screen surfaces with different mesh shapes, wire qualities and thicknesses available: <ul style="list-style-type: none"> <li>&gt; Square mesh</li> <li>&gt; Rectangular mesh</li> <li>&gt; Harp screens (G-harp, W-harp, S-harp, Varia harp)</li> </ul> </li> </ul>

Further information can be found at [www.partsandmore.net](http://www.partsandmore.net) or in our Parts and more catalogue