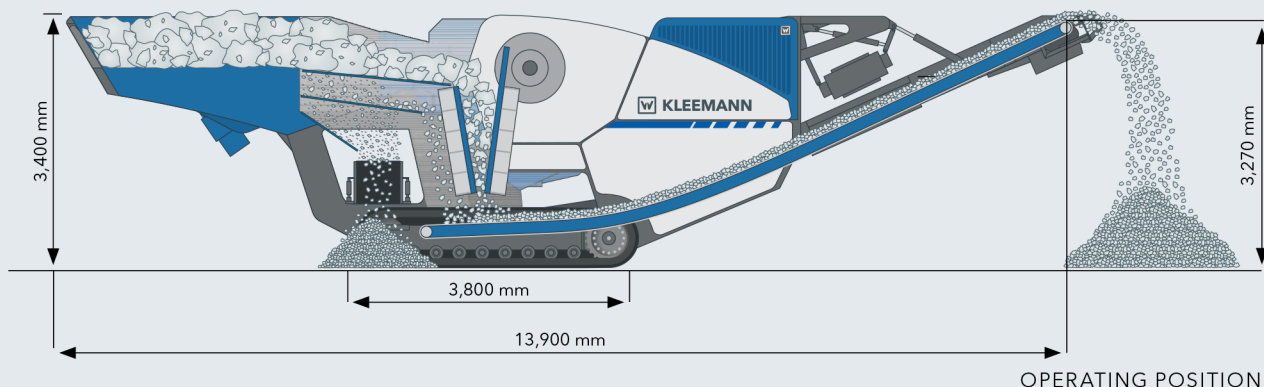


TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

# MOBICAT MC 110 R/110 Ri EVO





## TECHNICAL HIGHLIGHTS

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

## TECHNICAL INFORMATION MC 110 R/110 Ri EVO

### Feeding unit

Feed capacity up to approx. (t/h) <sup>1)</sup>	330
Max. feed size (mm)	1,050 x 650
Feed height (with extension) (mm)	3,400 (3,970)
Width x length (with extension) (mm)	1,900 x 3,900 (2,800 x 3,200)
Hopper volume (with extension) (m <sup>3</sup> )	4.0 (8.0)

### Vibrating feeder with integrated prescreening

Width x length (mm)	1,000 x 4,400
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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)	2,190 (3,080)

### Crusher

Single toggle jaw crusher, type	STR 110-070
Crusher inlet width x depth (mm)	1,100 x 700
Crusher weight approx. (kg)	17,000
Crusher drive, type, approx. (kW)	direct, 160
Adjustment range of gap width (mm) <sup>3)</sup>	35 - 180
Crusher gap adjustment	fully hydraulic

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

Crushing capacity with CSS = 60 mm up to approx. (t/h)	115 - 130
Crushing capacity with CSS = 100 mm up to approx. (t/h)	190 - 210

### Crusher discharge conveyor

Width x length (extended) (mm)	1,000 x 9,200 (10,700)
Discharge height approx. (extended) (mm)	3,270 (3,880)

### Power supply unit

Drive concept	diesel-direct <sup>5)</sup>
MC 110 R EVO: Scania (Tier 3/Stage IIIA) (kW)	248 (1,500 rpm)
Scania (LRC) (kW)	248 (1,500 rpm)
MC 110 Ri EVO: Scania (Tier 4f/Stage IV) (kW)	243 (1,500 rpm)
Generator (kVA)	135

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

Transport height approx. (mm)	3,400
Transport length approx. (mm)	13,900
Transport width max. (mm)	3,000
Transport weight approx. (kg)	38,500

<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 110 R/110 Ri EVO

The MC 110 R EVO is characterised by an impressive output in its class and by the vibrating feeder with integrated slotted grate. The plant is used as a primary crusher in natural stone and in demolition and recycling companies. Thanks to its low weight, it is easy to transport and flexible in operation.

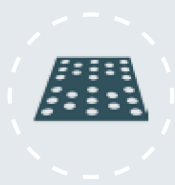
### STANDARD EQUIPMENT

- 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 8 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. 2,190 mm; 5 m length, discharge height approx. 3,080 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 and cold package
- Socket 110 V
- Line coupling for interlinking with further KLEEMANN plants
- Track pads for the chassis chains to protect the ground


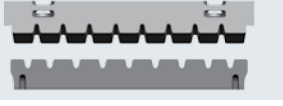



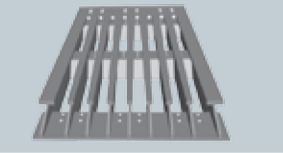
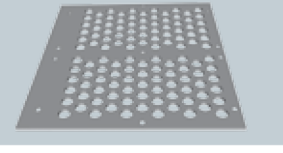
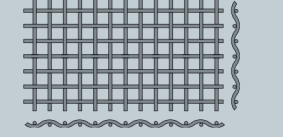




## SPARE PARTS

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

<b>Crusher jaws</b> RT (regular-teeth)		<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>
<b>Crusher jaws</b> FT (flat-teeth)		<ul style="list-style-type: none"> <li>☑ The higher wear dimensions mean that the flat teeth are particularly powerful in abrasive materials</li> <li>☑ A higher pressure load results and thus higher energy requirements</li> </ul>
<b>Crusher jaws</b> ST (sharp-teeth)		<ul style="list-style-type: none"> <li>☑ The sharp teeth reduce the laminated shares in the crushed material</li> <li>☑ Recommended with small gap widths (&lt; 60 mm)</li> </ul>
<b>Lateral wedges</b>		<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>
<b>Conveyor belts</b>		<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>
<b>Slotted grates</b>		<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>
<b>Punched plates</b>		<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>
<b>Screen surfaces</b>		<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>



### Head Office

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### Networking

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