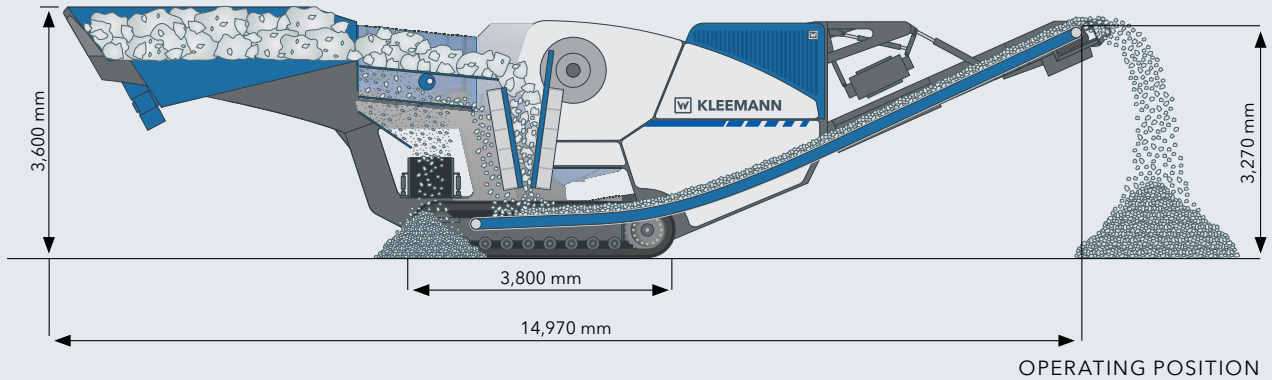




TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

# MOBICAT MC 110 Z/110 Zi EVO





## TECHNICAL HIGHLIGHTS

- Continuous Feed System (CFS) for optimum crusher loading
- Innovative crusher unblocking system for extremely short downtimes
- Independent vibrating double-deck prescreen
- Efficient and powerful diesel direct-drive

## TECHNICAL INFORMATION MC 110 Z/110 Zi EVO

### Feeding unit

Feed capacity up to approx. (t/h) <sup>1)</sup>	330
Feed size max. (mm)	990 x 620
Feed height (with extension) (mm)	3,600 (4,160)
Width x length (with extension) (mm)	1,900 x 3,200 (3,200 x 3,600)
Hopper volume (with extension) (m <sup>3</sup> )	3.7 (8.4)

### Vibrating feeder

Width x length (mm)	900 x 3,680
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### Prescreening

Type	Double-deck heavy-piece screen
Width x length (mm)	1,000 x 1,830

### 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
Gap width adjustment range (mm) <sup>3)</sup>	30-180
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 Z EVO: Scania (Tier 3/Stage IIIA) (kW)	248 (1500 rpm)
Scania (LRC) (kW)	248 (1500 rpm)
MC 110 Zi EVO: Scania (Tier 4f/Stage IV) (kW)	243 (1500 rpm)
Generator (kVA)	135

### Transport

Transport height <sup>6)</sup> approx. (mm)	3,600
Transport length approx. (mm)	14,970
Transport width max. (mm)	3,000
Transport weight of basic plant - max. configuration (kg)	39,500-45,500

<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

<sup>6)</sup> Without small hopper extension option



## MOBICAT MC 110 Z/110 Zi EVO

The MOBICAT MC 110 Z EVO has an independent double-deck prescreen, which effectively screens the fines in the feed material. The machine is impressive in individual applications or interlinked with an MCO 9 EVO cone crusher or a MOBISCREEN MS EVO screening plant.

### STANDARD EQUIPMENT

- Hopper walls integrated in 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 extendible lamp pole

### OPTIONS




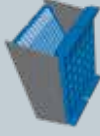

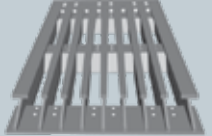
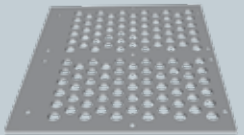
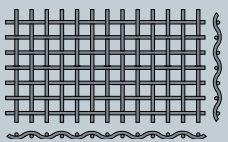
- Small hopper extension up to a total hopper volume of approx. 6 m<sup>3</sup>, rigid design
- Large hopper extension up to a total hopper volume of approx. 8.4 m<sup>3</sup>, hydraulically foldable and lockable
- Side discharge conveyor, hydraulic folding, can be used on both sides and available in two lengths: 2.7 m long, discharge height approx. 2,190 mm; 5 m length, discharge height approx. 3,080 mm
- Large selection of different prescreen covering for upper and lower deck
- Prescreen platform in left feed direction next to the vibrating chute for maintenance and service activities (standard right)
- Continuous Feed System (CFS) for continuous crusher feed
- Crusher unblocking system for starting 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 and cooling package
- 110 V socket
- Line coupling for interlinking with other KLEEMANN plants
- Track pads for the chassis chains 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)		<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>FT</b> (flat teeth)		<ul style="list-style-type: none"> <li>☑ The higher wear dimensions mean that the flat teeth are particularly effective on abrasive material</li> <li>☑ This produces higher compressive stress and therefore requires more energy</li> </ul>
<b>ST</b> (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 (&lt; 60 mm)</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" catalogue