MOBICAT MC 110 Z/110 Zi EVO

Continuous Feed System (CFS) for optimum crusher loading
Innovative crusher unblocking system for extremely short downtimes
Independence 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)\(^1\)
- Feed size max. (mm)
- Feed height (with extension) (mm)
- Width x length (with extension) (mm)
- Hopper volume (with extension) (m³)

Prescreening
- Type
- Width x length (mm)

Vibrating feeder
- Width x length (mm)

Crusher
- Single toggle jaw crusher type
- Crusher inlet width x depth (mm)
- Crusher weight approx. (kg)
- Crusher drive type, approx. (kW)
- Gap width adjustment range (mm)\(^2\)
- Gap adjustment

Crushing capacity\(^3\)
- Crushing capacity with CSS = 40 mm up to approx. (t/h)
- Crushing capacity with CSS = 100 mm up to approx. (t/h)

Crusher discharge conveyor
- Width x length (extended) (mm)
- Discharge height approx. (extended) (mm)

Power supply unit
- Drive concept
- MC 110 Z EVO: Scania (Tier 3/Stage IIIA) (kW)
- MC 110 Zi EVO: Scania (Tier 4f/Stage IV) (kW)
- Generator (kVA)

Transport
- Transport height\(^4\) approx. (mm)
- Transport length approx. (mm)
- Transport width max. (mm)
- Transport weight of basic plant – max. configuration (kg)

1) Depending on the type and composition of the feed material, as well as the feed size, the prescreening and the desired final grain size
2) Side discharge conveyor remains attached to the plant for transportation
3) CSS: Spike base, the gap width range can be changed using special crusher jaws and/or distance plates
4) For hard stone, CSS = Close Side Setting
5) All electric auxiliary drives
6) Without small hopper extension option
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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 crushe 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 m³, rigid design
- Large hopper extension up to a total hopper volume of approx. 8.4 m³, 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
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**

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
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<tbody>
<tr>
<td>Crusher jaws</td>
<td>- Balance between service life, energy requirements and crushing pressure</td>
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<td></td>
<td>- Suitable for natural stone and gravel</td>
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<td>RT (regular teeth)</td>
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<td>FT (flat teeth)</td>
<td>- The higher wear dimensions mean that the flat teeth are particularly effective on abrasive material</td>
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<td>- This produces higher compressive stress and therefore requires more energy</td>
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<td>ST (sharp teeth)</td>
<td>- The sharp teeth reduce the number of plate-like pieces in the crushed material</td>
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<td>- Recommended for small gap widths (&lt; 60 mm)</td>
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<td>Side wedges</td>
<td>- Protect the crusher housing against wear</td>
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<td>- The practical shape of the side wedges means that they can be fitted quickly without screws</td>
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<td>- The side wedges and crusher jaw together form an ideal crushing chamber for crushing material</td>
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<td>Conveyor belts</td>
<td>- 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</td>
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<td>- Solid rubber edges ensure optimum material transport</td>
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<td>- Elastic rubber intermediate plates reduce impacts from various materials</td>
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<td>Slotted grates</td>
<td>- Flexible prescreening possible by simply replacing the entire slotted grate</td>
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<td>- Extending the gap width in the direction of material flow ensures continuous screen performance</td>
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<td>- Available in a range of sizes</td>
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<tr>
<td>Punched plates</td>
<td>- Reduces strain on the crusher by prescreening fine pieces</td>
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<td></td>
<td>- The offset arrangement of the round holes produces the best separation results</td>
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<tr>
<td></td>
<td>- Flexible prescreening possible by simply replacing the punched plates</td>
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<td>- Avoids plate-like grit in the product</td>
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<td></td>
<td>- Available in a range of sizes</td>
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<td>Screen surfaces</td>
<td>- Screen surfaces are available in a range of mesh types, wire qualities and strengths:</td>
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<tr>
<td></td>
<td>&gt; Square mesh</td>
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<td>&gt; Rectangular mesh</td>
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<td></td>
<td>&gt; Harp mesh (G-harp, W-harp, S-harp, Varia harp)</td>
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For further information, visit www.partsandmore.net or see our “Parts and more” catalogue.