MOBICAT MC 110 R/110 Ri EVO

Continuous Feed System (CFS) for optimal crusher loading
Innovative crusher unblocking system for extremely short downtimes
Easy control via 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): 330
- Feed size max. (mm): 990 x 620
- Feed height (with extension) (mm): 3,400 (3,970)
- Width x length (with extension) (mm): 1,900 x 3,200 (3,200 x 3,600)
- Hopper volume (with extension) (m³): 1.8 (2.2)

Vibrating feeder with integrated prescreening
- Width x length (mm): 1,000 x 4,390

Side discharge conveyor (optional)
- 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): 30-180
- Crusher gap adjustment: Fully hydraulic

Crushing capacity:
- 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
- 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
- Transport height approx. (mm): 3,400
- Transport length approx. (mm): 13,920
- Transport width max. (mm): 3,000
- Transport weight of basic plant – max. configuration (kg): 38,500-44,500

1) Depending on the type and composition of the feed material, the feed size, the prescreening and the final grain size to be achieved
2) Side discharge conveyor remains attached to the plant for transportation
3) CSS: Top - bottom; the gap width can be adjusted by the use of 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

TECHNICAL HIGHLIGHTS
- Continuous Feed System (CFS) for optimal crusher loading
- Innovative crusher unblocking system for extremely short downtimes
- Easy control via menu-guided touch panel
- Efficient and powerful diesel direct-drive
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The MC 110 R EVO’s advantages include considerably high power in its class and its vibrating feeder with integrated slotted grate. The plant is used as a primary crusher for natural stone as well as 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 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 extendible lamp pole

OPTIONS

- Small hopper extension up to total hopper volume of approx. 6 m³, rigid design
- Large hopper extension up to total hopper volume of approx. 8.2 m³, hydraulically foldable and lockable
- Side discharge conveyor, hydraulically foldable, can be used on both sides and available in two lengths: 2.7 m long, drop height approx. 2,190 mm; 5 m long, discharge height approx. 3,080 mm
- Large selection of different prescreen coverings 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 up 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 tracks in order 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-DEPENDENT WEAR PARTS

| **Crusher jaws** | **Balance between service life, energy requirements and crushing pressure**  
**RT (regular teeth)** | **Suitable for natural stone and gravel**  
**FT (flat teeth)** | **The higher wear dimensions mean that the flat teeth are particularly effective on abrasive material**  
**ST (sharp teeth)** | **A higher pressure load results and thus higher energy requirements**  
**Side wedges** | **For protecting the crusher housing against wear**  
**Practical design of lateral wedges makes fast assembly without screws possible**  
**Lateral wedges, together with the crusher jaw, form an optimum crushing chamber for material crushing**  
**Conveyor belts** | **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**  
**Full-rubber edges ensure optimum material transport**  
**Resilient rubber intermediate links dampen impacts of different materials**  
**Slotted grates** | **Flexible prescreening possible through simple replacement of the complete slotted grate**  
**Increasing the gap width in material flow direction guarantees a continuous screening output**  
**Available in a range of sizes**  
**Punched plates** | **Relieve load on the crusher through prescreening of the fines**  
**The offset arrangement of the round holes produces the best possible separation results**  
**Flexible prescreening possible through simple replacement of the punched plates**  
**Prevent laminated grain in the product**  
**Available in different sizes**  
**Screen surfaces** | **Screen surfaces with different mesh shapes, wire qualities and thicknesses available**  
> Square mesh  
> Rectangular mesh  
> Harp screens (G-harp, W-harp, S-harp, Varia harp)**

For further information, visit www.partsandmore.net or see our "Parts and more" catalogue

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