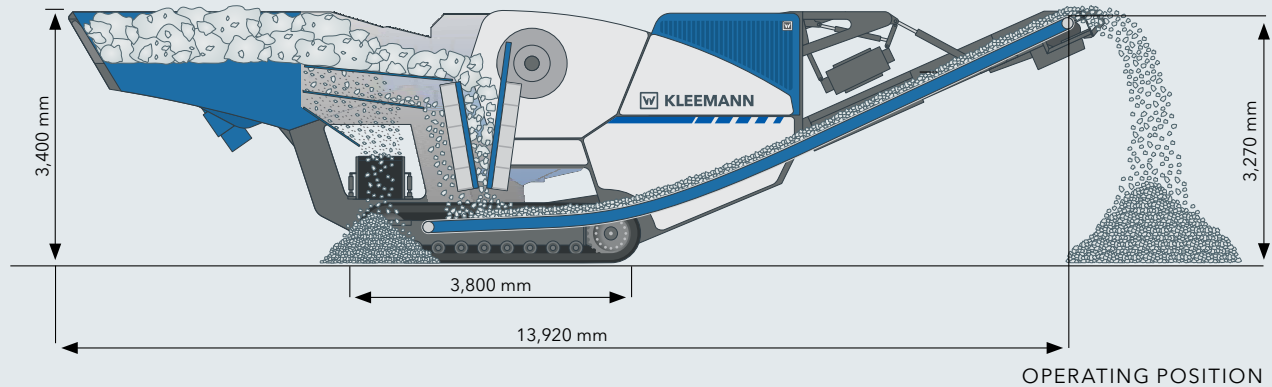




TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

MOBICAT MC 110 R/110 Ri EVO





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

TECHNICAL INFORMATION MC 110 R/110 Ri EVO

Feeding unit

Feed capacity up to approx. (t/h) ¹⁾	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) (m ³)	3.8 (8.2)

Vibrating feeder with integrated prescreening

Width x length (mm)	1,000 x 4,390
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Side discharge conveyor (optional)²⁾

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) ³⁾	30-180
Crusher gap adjustment	Fully hydraulic

Crushing capacity⁴⁾

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 ⁵⁾
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 ⁶⁾ 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



MOBICAT MC 110 R/110 Ri EVO

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 RT (regular teeth)		<ul style="list-style-type: none"> ▣ Balance between service life, energy requirements and crushing pressure ▣ Suitable for natural stone and gravel
FT (flat teeth)		<ul style="list-style-type: none"> ▣ The higher wear dimensions mean that the flat teeth are particularly effective on abrasive material ▣ A higher pressure load results and thus higher energy requirements
ST (sharp teeth)		<ul style="list-style-type: none"> ▣ The sharp teeth reduce the laminated shares in the crushed material ▣ Recommended for small gap widths (< 60 mm)
Side wedges		<ul style="list-style-type: none"> ▣ 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		<ul style="list-style-type: none"> ▣ 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		<ul style="list-style-type: none"> ▣ 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		<ul style="list-style-type: none"> ▣ 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		<ul style="list-style-type: none"> ▣ Screen surfaces with different mesh shapes, wire qualities and thicknesses available <ul style="list-style-type: none"> > 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