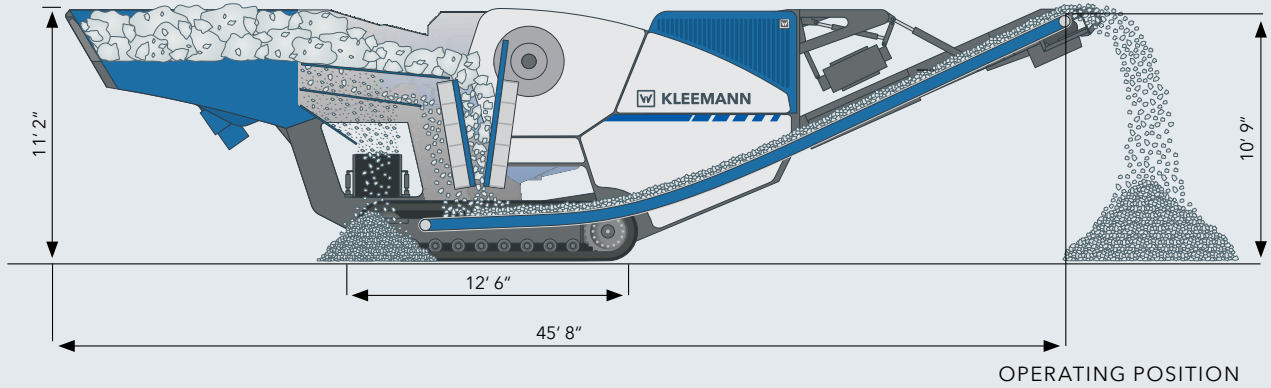


TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

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-directdrive

TECHNICAL INFORMATION MC 110 R/110 Ri EVO

Feeding unit

| | |
|--|-----------------------------------|
| Feed capacity up to approx. (US t/h) ¹⁾ | 364 |
| Feed size max. (inch) | 39" x 24" |
| Feed height (with extension) (inch) | 11' 2" (13') |
| Width x length (with extension) (inch) | 6' 3" x 10' 6" (10' 6" x 11' 10") |
| Hopper volume (with extension) (yd ³) | 5 (10.7) |

Vibrating feeder with integrated prescreening

| | |
|-----------------------|--------------|
| Width x length (inch) | 39" x 14' 5" |
|-----------------------|--------------|

Side discharge conveyor (optional)²⁾

| | |
|----------------------------------|-----------------------|
| Width x length (extended) (inch) | 20" x 8' 10" (16' 5") |
| Discharge height approx. (inch) | 7' 3" (10' 1") |

Crusher

| | |
|---|-----------------|
| Single-toggle jaw crusher type | STR 110-070 |
| Crusher inlet width x depth (inch) | 44" x 28" |
| Crusher weight approx. (lbs) | 37,500 |
| Crusher drive type, approx. (hp) | direct, 215 |
| Gap width adjustment range (inch) ³⁾ | 1.2" - 7" |
| Gap adjustment | Fully hydraulic |

Crushing capacity ⁴⁾

| | |
|--|-----------|
| Crushing capacity with CSS = 60 mm up to approx. (US t/h) | 127 - 143 |
| Crushing capacity with CSS = 100 mm up to approx. (US t/h) | 209 - 231 |

Crusher discharge conveyor

| | |
|--|-----------------------|
| Width x length (extended) (inch) | 40" x 30' 2" (35' 1") |
| Discharge height approx. (extended) (inch) | 10' 9" (12' 7") |

Power supply unit

| | |
|---|-----------------------------|
| Drive concept | Diesel direct ⁵⁾ |
| MC 110 R EVO: Scania (Tier 3/Stage IIIA) (hp) | 333 (1500 rpm) |
| Scania (LRC) (hp) | 333 (1500 rpm) |
| MC 110 Ri EVO: Scania (Tier 4f/Stage IV) (hp) | 326 (1500 rpm) |
| Generator (kVA) | 135 |

Transport

| | |
|--|---------------|
| Transport height ⁶⁾ approx. (inch) | 11' 2" |
| Transport length approx. (inch) | 45' 8" |
| Transport width max. (inch) | 9' 10" |
| Transport weight of basic plant - max. configuration (lbs) | 84,900-98,100 |

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



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. It is lightweight, making it easy to transport and flexible to use.

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 extendable light pole

OPTIONS


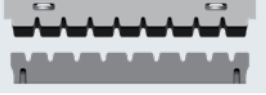
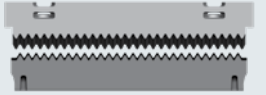
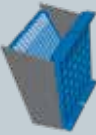

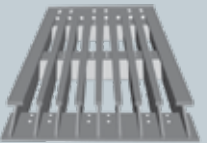
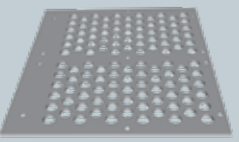
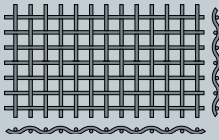
- Small hopper extension up to entire hopper volume of approx. 7.8 yd³, rigid design
- Large hopper extension up to entire hopper volume of approx. 10.7 yd³, hydraulically foldable and lockable
- Side discharge conveyor, hydraulically foldable, can be used on both sides and available in two lengths: 8' 10", drop height approx. 7' 3"; 16' 4" long, discharge height approx. 10' 1"
- Large selection of different prescreen covering 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 the crusher when the crushing chamber is full, forward and reverse running 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



SPARE PARTS

For the machine to operate efficiently, it is essential that the correct wear parts are used. KLEEMANN original parts are optimally adapted to the requirements of both the user and machine. They stand out thanks to their long service life, high quality, excellent availability and simple installation. We use our application know-how and expert advice to help our customers find the right wear part for their specific needs.

APPLICATION-SPECIFIC 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 ☑ This produces higher compressive stress and therefore requires more energy |
| ST (sharp teeth) |  | <ul style="list-style-type: none"> ☑ The sharp teeth reduce the number of plate-like pieces in the crushed material ☑ Recommended for small gap widths (2,36") |
| Side wedges |  | <ul style="list-style-type: none"> ☑ Protect the crusher housing against wear ☑ The practical shape of the side wedges means that they can be fitted quickly without screws ☑ The side wedges and crusher jaw together form an ideal crushing chamber for crushing material |
| 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 ☑ Solid rubber edges ensure optimum material transport ☑ Elastic rubber intermediate plates reduce impacts from various materials |
| Slotted grates |  | <ul style="list-style-type: none"> ☑ Flexible prescreening possible by simply replacing the entire slotted grate ☑ Extending the gap width in the direction of material flow ensures continuous screen performance ☑ Available in a range of sizes |
| Punched plates |  | <ul style="list-style-type: none"> ☑ Reduces strain on the crusher by prescreening fine pieces ☑ The offset arrangement of the round holes produces the best separation results ☑ Flexible prescreening possible by simply replacing the punched plates ☑ Avoids plate-like grit in the product ☑ Available in a range of sizes |
| Screen surfaces |  | <ul style="list-style-type: none"> ☑ Screen surfaces are available in a range of mesh types, wire qualities and strengths: <ul style="list-style-type: none"> > Square mesh > Rectangular mesh > Harp mesh (G-harp, W-harp, S-harp, Varia harp) |

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