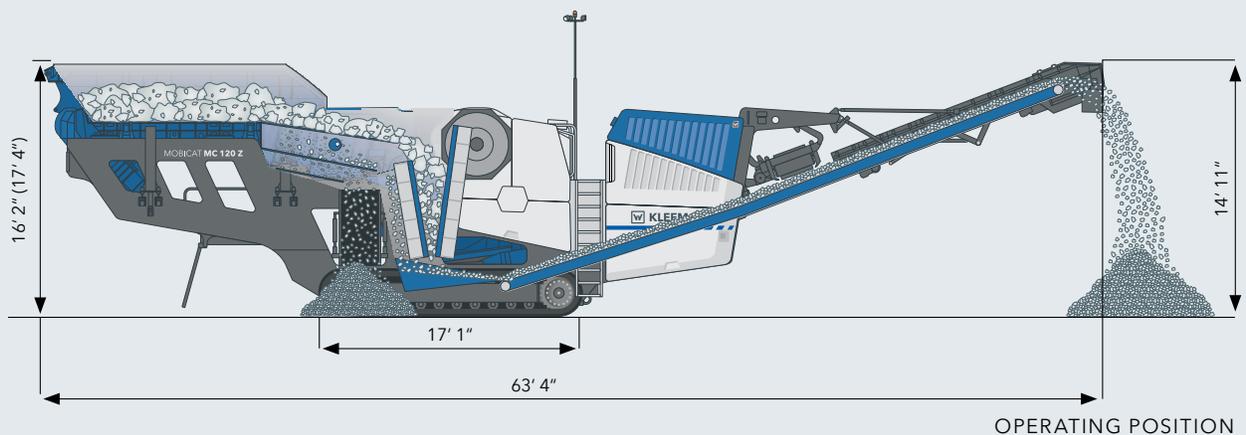


TECHNICAL INFORMATION | TRACK-MOUNTED JAW CRUSHERS

# MOBICAT MC 120 Zi PRO





## TECHNICAL HIGHLIGHTS

- ✘ Extremely robust design
- ✘ Very high production outputs, low-maintenance operation
- ✘ Crusher unblocking system via frequency converters (optional)
- ✘ External power supply (optional)
- ✘ Ideal combination with downstream cone crusher MOBICONE MCO 11 PRO
- ✘ Optional crusher discharge chute

## TECHNICAL INFORMATION MC 120 Zi PRO

### Feeding unit

Feed capacity up to approx. (US t/h) <sup>1)</sup>	717
Feed size max. (inch)	43" x 27"
Feed height (with extension) (inch)	16' 2" (17' 4")
Width x Length (with extension) (inch)	9' 4" x 13' 5" (12' 10" x 12' 10")
Hopper volume (with extension) (yd <sup>3</sup> )	12.7 (17)

### Vibrating feeder

Width x Length (inch)	44" x 11' 10"
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### Prescreening:

Type	Double-deck heavy-piece screen
Width x Length (inch)	48" x 9' 8"

### Side discharge conveyor (optional)<sup>2)</sup>

Width x Length (inch)	26" x 21' 10"
Discharge height approx. (inch)	11' 4"

### Crusher

Single toggle jaw crusher type	STR 120
Crusher inlet width x depth (inch)	48" x 32"
Crusher weight approx. (lbs)	66,150
Crusher drive type, approx. (hp)	electric, 268
Adjustment range of gap width (inch) <sup>3)</sup>	3" - 7.9"
Gap setting	fully hydraulic

### Crushing capacity<sup>1) 3) 4)</sup>

Crushing capacity with CSS = 4" up to approx. (US t/h)	331
Crushing capacity with CSS = 5.1" up to approx. (US t/h)	441
Crushing capacity with CSS = 6.3" up to approx. (US t/h)	606

### Discharge chute (optional)

Width x Length (inch)	51" x 6' 7"
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### Crusher discharge conveyor

Width x Length (extended) (inch)	48" x 34' 9" (45' 7")
Discharge height approx. (extended) (inch)	13' 2" (14' 11")

### Power supply unit

Drive concept	diesel-electric
Scania (Tier 4f/Stage IV) (hp)	493 (1,800 rpm)
Generator (kVA)	500

### Transport

Transport height approx. (inch)	13' 5"
Transport length approx. (inch)	61' 4"
Transport width max. (inch)	9' 10"
Transport weight approx. (lbs) <sup>5)</sup>	159,850

<sup>1)</sup> depending on the type and composition of the feed material, the feed size, prescreening and the final grain size to be achieved

<sup>2)</sup> foldable side discharge conveyor remains attached to the plant for transportation

<sup>3)</sup> CSS: Top - bottom; the gap width can be adjusted by the use of special crusher jaws

<sup>4)</sup> for hard stone, CSS = Close Side Setting

<sup>5)</sup> no options



## MOBICAT MC 120 Zi PRO

The MOBICAT MC 120 Zi PRO, the first jaw crusher in the PRO line, is used for pre-crushing of almost all natural stones. The jaw crusher has an extremely robust design and impresses with its low-maintenance operation. The machine therefore guarantees high production outputs.

### STANDARD EQUIPMENT

- Hydraulically folding feed hopper
- Frequency-controlled vibrating feeder, frequency-controlled prescreen. Automatic control as a function of the crusher level thanks to CFS
- Side discharge conveyor, rigid on right side: discharge height 11' 4", incl. spray system
- Jaw crusher with crusher jaws made from manganese-high carbon steel
- Crusher discharge chute: additional protection for the crusher discharge conveyor with coarse, sharp-edged stone

### OPTIONS

- Hopper replacement elements: KRS Kleemann Resistant Steel and plastic elements
- Hopper extension, rear-side filling width 12' 10"
- Side discharge conveyor, hydraulically folding or rigid: can be used on both sides, discharge height 11' 4", foldable version for transport while remaining on the plant, incl. spray system
- Different prescreen surfaces available for upper and lower deck: punched plate, slotted grate, wire cloth
- Extended crusher discharge conveyor, hydraulically folding
- Belt scale in crusher discharge conveyor
- Belt cover for crusher discharge conveyor
- Electromagnetic separator, permanent magnetic separator, magnet preparation
- External power supply for economic mains operation
- Automatic lubrication of crusher bearings

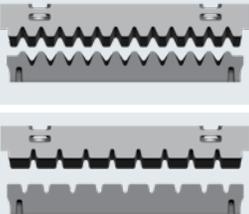
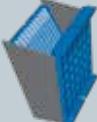
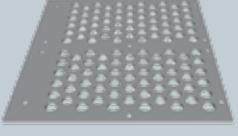
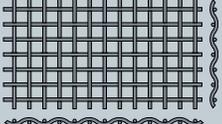
- Platforms: prescreen platform to the right, platform above the crusher
- SPECTIVE control concept: menu-guided user interface, 12 inch control panel, lockable control cabinet, protected against dust and vibrations; WITOS FleetView telematics system for efficient fleet and service management
- Remote control: Cable and radio remote control incl. switch-off function for feeding unit
- Line coupling for interlinking with further KLEEMANN plants
- Water spray system for dust reduction
- Lighting
- Crusher unblocking system via frequency converter: start-up with full crusher, adjustable crusher speed, crusher can be moved in reverse
- Rock hammer: for clearing blockages at the crusher inlet, remains on plant for transport, incl. platform and remote control
- Diesel refuelling pump: hose system incl. pump, possible to refuel from separate tank
- Camera system for monitoring feeding unit and crusher from the ground, also available with wireless expansion
- Sockets: 125 A socket supply for operation of additional electrical equipment (e.g. stockpile conveyor, screening plant MS EVO); 16 A/32 A power supply for supplying service equipment
- Track pads for crawler tracks to protect the ground
- Premium lighting
- Climate packages: hot and cold package



**SPARE PARTS**

Efficient operation of the machine also requires the selection of the right wear parts. The KLEEMANN original parts are optimally designed for the requirements of users and the machine. They are characterised by a long service life, excellent quality, good availability and simple assembly. With application know-how and expertise and competent advice, we help our customers to find the optimal wear part for their individual application.

**APPLICATION-DEPENDENT WEAR PARTS**

<p><b>Crusher jaws</b></p> <p>RT (regular-teeth)</p> <p>FT (flat-teeth)</p>		<ul style="list-style-type: none"> <li>☑ Well-balanced with regard to service life, energy requirements and crushing pressure</li> <li>☑ Suitable for natural stone and gravel</li> </ul>
<p><b>Lateral wedges</b></p>		<ul style="list-style-type: none"> <li>☑ For protecting the crusher housing against wear</li> <li>☑ Practical design of lateral wedges makes fast assembly possible</li> <li>☑ Lateral wedges, together with the crusher jaw, form an optimum crushing chamber for material crushing</li> </ul>
<p><b>Conveyor belts</b></p>		<ul style="list-style-type: none"> <li>☑ Endless, closed, multi-layered conveyor belts are suitable for all requirements and increase the conveying capacity of the plants</li> <li>☑ Solid rubber edges protect the textile insert of the belt</li> <li>☑ Resilient rubber intermediate links dampen impacts of different materials</li> </ul>
<p><b>Slotted grates</b></p>		<ul style="list-style-type: none"> <li>☑ Easing of burden on crusher with prescreening of fines</li> <li>☑ Flexible prescreening possible with simple exchange of entire slotted grate</li> <li>☑ Expansion of gap width in direction of material flow guarantees efficient screening capacity in the long run</li> <li>☑ Available in different sizes</li> </ul>
<p><b>Punched plates</b></p>		<ul style="list-style-type: none"> <li>☑ Relieve load on the crusher through prescreening of the fines</li> <li>☑ Best possible separation results thanks to the offset arrangement of the round holes</li> <li>☑ Flexible prescreening possible through simple replacement of the perforated plates</li> <li>☑ Avoidance of laminated grain in the product</li> <li>☑ Available in different sizes</li> </ul>
<p><b>Screen surfaces</b></p>		<ul style="list-style-type: none"> <li>☑ Screen surfaces with different mesh shapes, wire qualities and thicknesses available:                         <ul style="list-style-type: none"> <li>&gt; Square mesh</li> <li>&gt; Rectangular mesh</li> <li>&gt; Harp screens (G-harp, W-harp, S-harp, Varia harp)</li> </ul> </li> </ul>

Further information can be found at [www.partsandmore.net](http://www.partsandmore.net) or in our Parts and more catalogue