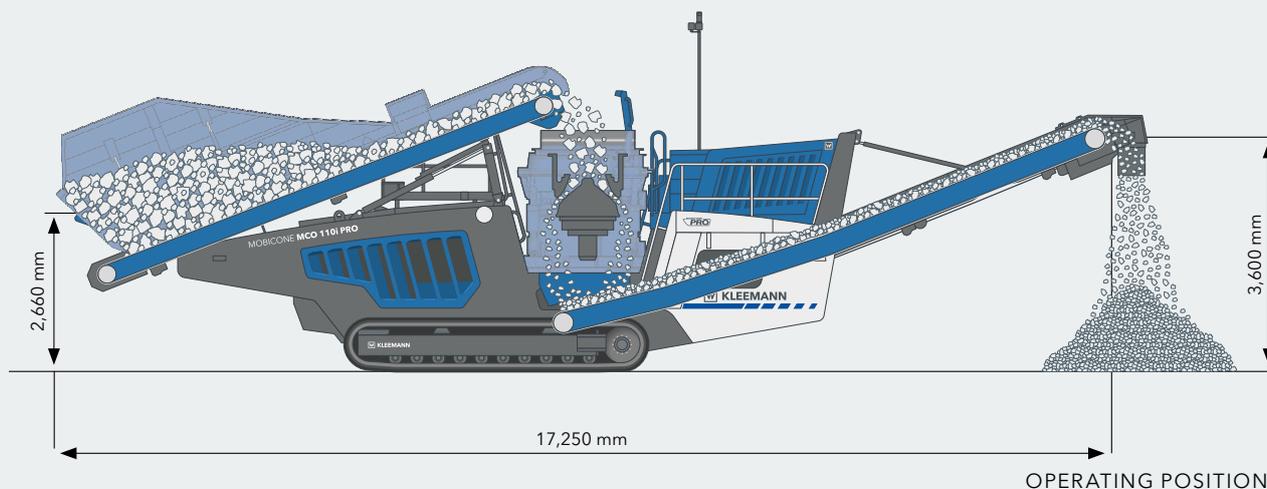


TECHNICAL INFORMATION | TRACK-MOUNTED CONE CRUSHERS

# MOBICONE MCO 110(i) PRO





## TECHNICAL HIGHLIGHTS

- Extremely robust design
- Very high production output with low-maintenance operation
- Diesel-electric drive concept with the option to connect an external power supply
- Ideal for combination with upstream MOBICAT MC 120(i) PRO jaw crusher

## TECHNICAL INFORMATION MCO 110(i) PRO

### Feeding unit

Feed capacity up to approx. (t/h)	470
Feed size max. (mm)	240
Feed height approx. (mm)	2,660
Hopper volume (m <sup>3</sup> )	7.5
Feed opening width x length (mm)	1,820 x 4,130
Feed height with filling aid for rear loading approx. (mm)	3,000
Hopper volume with filling aid for rear loading (m <sup>3</sup> )	9.2
Feed opening with filling aid for rear loading approx. (mm)	4,200

### Feeding conveyor

Width x length (mm)	1,200 x 7,500
Speed	variable (controlled by CFS)

### Crusher

Cone crusher type	KX 350
Crusher system size d= (mm)	1,120
Crusher weight approx. (kg)	16,200
Crusher drive type, approx. (kW)	electric, 250
Crushing capacity for secondary end product 0/45 up to approx. (t/h)	390 <sup>1)</sup>
Crushing capacity for secondary end product 0/56 up to approx. (t/h)	420 <sup>1)</sup>
Crushing capacity for tertiary end product 0/22 up to approx. (t/h)	230 <sup>1)</sup>

### Crusher discharge conveyor

Width x length (extended) (mm)	1,000 x 9,200 (10,700)
Discharge height approx. (extended) (mm)	3,600 (4,190)

### Power supply unit

Drive concept	diesel-electric
Drive output of Scania diesel engine (kW)	368 - 410 (1,800 rpm) <sup>2)</sup>
Generator (kVA)	500

### Transport position dimensions

Height approx. (mm)	3,850
Length approx. (mm)	17,595
Width approx. (mm)	3,000
Transport weight of basic plant - max. configuration approx. (kg)	49,500-58,000

<sup>1)</sup> Depending on the type and composition of the feed material, as well as the feed size and the desired final size, incl. 10-15% oversize grain

<sup>2)</sup> Depending on the respective exhaust emission standard



## MOBICONE MCO 110(i) PRO

The MOBICONE MCO 110(i) PRO mobile cone crusher stands out thanks to its extremely robust design and impressive performance. The plant can be operated via an external power source as an option and impresses with its low maintenance operation.

### STANDARD EQUIPMENT

- ❑ Hopper made of KRS (KLEEMANN Resistant Steel), hopper volume approx. 7.5 m<sup>3</sup>
- ❑ Frequency-controlled feeding conveyor, automatic control depending on crusher level thanks to CFS (Continuous Feed System) for continuous crusher feed
- ❑ Metal detector under the feeding conveyor to protect the cone crusher from unbreakable metallic material
- ❑ Overload system in crusher for opening the crushing chamber if unbreakable material enters
- ❑ Intelligent overload detection ("Ring Bounce Detection") protects the crusher from damage; two modes to choose from
- ❑ SPECTIVE control concept: Menu-guided user interface, 12-inch operating panel; WITOS FleetView telematics system for efficient fleet and service management
- ❑ Wear indicator for recording the current wear level on the crushing tool
- ❑ Remote control: Cable and radio remote control including shutdown function for feeding unit
- ❑ Water spray system for reducing dust
- ❑ Lighting

### OPTIONS

- ❑ Replaceable hopper elements: KRS Kleemann Resistant Steel and plastic elements
- ❑ Hopper filling aids for rear feeding: Feed opening width 4,200 mm; hopper volume approx. 9.2 m<sup>3</sup>
- ❑ Magnetic remover for lifting out magnetic elements
- ❑ Extended crusher discharge conveyor, discharge height approx. 4,190 mm, hydraulically foldable
- ❑ Belt scale in crusher discharge conveyor, can be read via SPECTIVE
- ❑ Crusher discharge conveyor belt cover (standard and extended)
- ❑ External power supply for economic mains operation
- ❑ Line coupling for linking with other KLEEMANN plants
- ❑ Camera system for monitoring the feeding unit and the crusher from the ground, available with radio remote control
- ❑ Oversize grain returning for returning oversize grain material from a screening plant, can be installed on left or right
- ❑ 16 A/32 A power supply for supplying service tools
- ❑ Diesel refuelling pump: Hose system incl. pump, refuelling from a separate tank possible
- ❑ Track pads for the crawler tracks in order to protect ground
- ❑ Premium lighting
- ❑ Climate packages: Hot and cold package (self-sufficient auxiliary heating)



**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**

<p><b>Crusher cone</b></p>	<p>Versions:</p> <ul style="list-style-type: none"> <li>☑ Standard</li> <li>☑ Short Head</li> </ul>						
<p><b>Bowl liner</b></p>	<p>Versions:</p> <ul style="list-style-type: none"> <li>☑ Standard Fine</li> <li>☑ Standard Medium</li> <li>☑ Standard Coarse</li> <li>☑ Short Head Fine</li> <li>☑ Short Head Medium</li> <li>☑ Short Head Coarse</li> </ul> <p>Two quality levels available: &gt; XPERT with 18% manganese &gt; XTRA with 20% manganese</p>						
	<table border="0" style="width: 100%; text-align: center;"> <tr> <td data-bbox="279 1261 662 1507"> <p>Standard Coarse (SC)</p> </td> <td data-bbox="694 1261 1077 1507"> <p>Standard Medium (SM)</p> </td> <td data-bbox="1109 1261 1492 1507"> <p>Standard Fine (SF)</p> </td> </tr> <tr> <td data-bbox="279 1563 662 1832"> <p>Short Head Coarse (SHC)</p> </td> <td data-bbox="694 1563 1077 1832"> <p>Short Head Medium (SHM)</p> </td> <td data-bbox="1109 1563 1492 1832"> <p>Short Head Fine (SHF)</p> </td> </tr> </table>	<p>Standard Coarse (SC)</p>	<p>Standard Medium (SM)</p>	<p>Standard Fine (SF)</p>	<p>Short Head Coarse (SHC)</p>	<p>Short Head Medium (SHM)</p>	<p>Short Head Fine (SHF)</p>
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Further information is available at [www.partsandmore.net](http://www.partsandmore.net) or in our Parts and more catalogue.