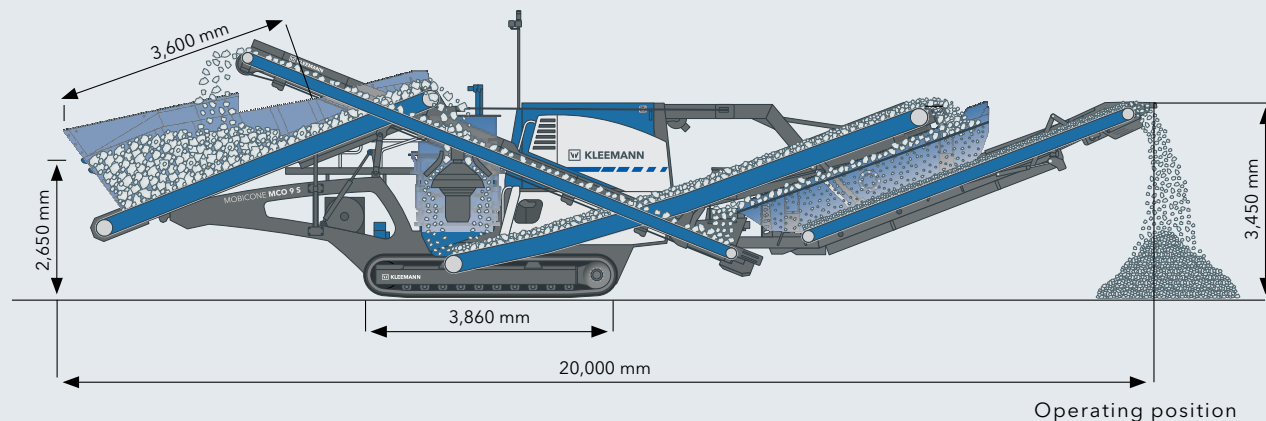




TECHNICAL INFORMATION | TRACK-MOUNTED CONE CRUSHERS

# MOBICONE MCO 9 S/9 Si EVO





## TECHNICAL HIGHLIGHTS

- Cone crusher with bearings and automatic circulation lubrication for high feed capacity and long service life
- Available as secondary or tertiary crusher
- Diesel-directdrive
- Linkage option with other KLEEMANN plant (option)

## TECHNICAL INFORMATION MCO 9 S/9 Si EVO

### Feeding unit

Feed capacity up to approx. (t/h) <sup>1)</sup>	245
Feed size max. (mm)	200
Feed height approx. (mm)	2,650
Feed height with extension approx. (mm)	3,080
Hopper volume approx. (m³)	6.4
Hopper volume with extension approx. (m³)	7.5
Width x length approx. (mm)	2,580 x 3,560
Width x length with extension approx. (mm)	2,580 x 3,840

### Feeding conveyor

Width x length (mm)	1,000 x 6,400
---------------------	---------------

### Crusher

Cone crusher type	KX 200
Crusher system size d= (mm)	970
Crusher weight approx. (kg)	8,900
Crusher drive type, approx. (kW)	direct, 160
Plant performance at 0-32 mm approx. (t/h)	190 - 220
Plant performance at 0-63 mm approx. (t/h)	245 - 270

### Crusher discharge conveyor

Width x length (mm)	800 x 9,300
Discharge height approx. (mm)	3,400

### Power supply unit

Drive concept	diesel direct <sup>2)</sup>
MCO 9 S EVO: Scania (Tier 3/ Stage IIIA) (kW)	289 (1,500 rpm)
Scania (LRC) (kW)	289 (1,500 rpm)

MCO 9 Si EVO: Scania (Tier 4f/ Stage IV) (kW)	287 (1,500 rpm)
Generator (kVA)	130 (1,500 rpm)
<b>Secondary screening unit (optional)</b>	
Type	vibrating single-deck screen
Width x length (mm)	1,350 x 4,550
Return conveyor approx. (mm)	500 x 9,750
Discharge height of fine grain discharge conveyor approx. (mm)	3,450
<b>Transport dimensions secondary screening unit separate<sup>3)</sup></b>	
Transport length approx. (mm)	16,675
Transport weight of screening unit approx. (kg)	6,100
<b>Transport dimensions with secondary screening unit</b>	
Transport length with screening unit approx. (mm)	20,770
Transport width approx. (mm)	3,200
Transport height approx. (mm)	3,600
Transport weight basic system - max. equipment approx. (kg)	41,000 - 42,500

<sup>1)</sup> closed circuit

<sup>2)</sup> all ancillary drives electric

<sup>3)</sup> e.g. as hook lift



## MOBICONE MCO 9 S/9 Si EVO

The MCO 9 S EVO has a more powerful hydraulic drive than the MCO 9 EVO and a larger running gear and chassis. As an option, it can also be equipped with a secondary screening unit (single-deck vibrating screen) with return conveyor. This permits an endless material loop, thus guaranteeing a qualified final grain size. The oversize grain can be discharged optionally at the side via the return conveyor that can be swivelled out up to 100°.

### STANDARD EQUIPMENT

- Hopper made of KRS (KLEEMANN Resistant Steel), hopper volume approx. 6.4 m<sup>3</sup>
- Frequency-controlled feeding conveyor, automatic control depending on crusher filling level thanks to Continuous Feed System (CFS)
- Metal detector under the feeding conveyor to protect the cone crusher against uncrushable metallic material
- Overload system in crusher for opening crushing chamber in the event of uncrushable material
- Intelligent overload detection ("Ring Bounce Detection") protects the crusher against damage, 2 modes available
- Wear indicator for detecting actual wear on crushing tool
- Control concept: easy control through touch panel with menu-guided operation and visualisation
- Remote control: cable and radio remote control inc. switch-off function for feeding unit
  - Demand-based water-spray system for dust reduction
- Lighting

### Options

- Hopper extension up to total hopper volume of 7.5 m<sup>3</sup>
- Magnetic remover for lifting out magnetic components
- Belt scales in crusher discharge conveyor and fine grain conveyor
- Belt cover of crusher discharge conveyor (standard and extended)
- Line coupling for interlinking with further KLEEMANN plants
- Camera system for monitoring feeding unit and crusher from ground level, also available with radio remote extension
- Secondary screening unit with oversize grain returning for production of defined final grain
- Transport-friendly secondary screening unit with hook-lift-system
- Swivelling return conveyor for operation in closed circuit or with swivelled-out return conveyor and side discharge of the oversize grain
- Track pads for the crawler carrier chains to protect the ground
- Premium lighting
- Climate packages: hot and cold package



**SPARE PARTS**

For economical operation of the machine, it is also necessary to select the correct wear parts. Original parts from KLEEMANN are optimally designed for the requirements of the user and machine. They are characterised by a long service life, excellent quality, good availability and trouble-free assembly. With application know-how and competent advice, we can find the optimum wear part for our customers to match their individual application.

**WEAR PARTS DEPENDING ON APPLICATION**

Crusher cone	Versions: <ul style="list-style-type: none"><li>Standard</li><li>Short Head</li></ul>
Bowl liner	Versions: <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>
	<div><div>Standard Coarse (SC)  25 - 38 mm179 - 192 mm</div><div>Standard Medium (SM)  19 - 38 mm138 - 157 mm</div><div>Standard Fine (SF)  16 - 32 mm116 - 131 mm</div><div>Short Head Coarse (SHC)  13 - 25 mm130 - 142 mm</div><div>Short Head Medium (SHM)  10 - 22 mm99 - 111 mm</div><div>Short Head Fine (SHF)  10 - 19 mm71 - 80 mm</div></div>

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