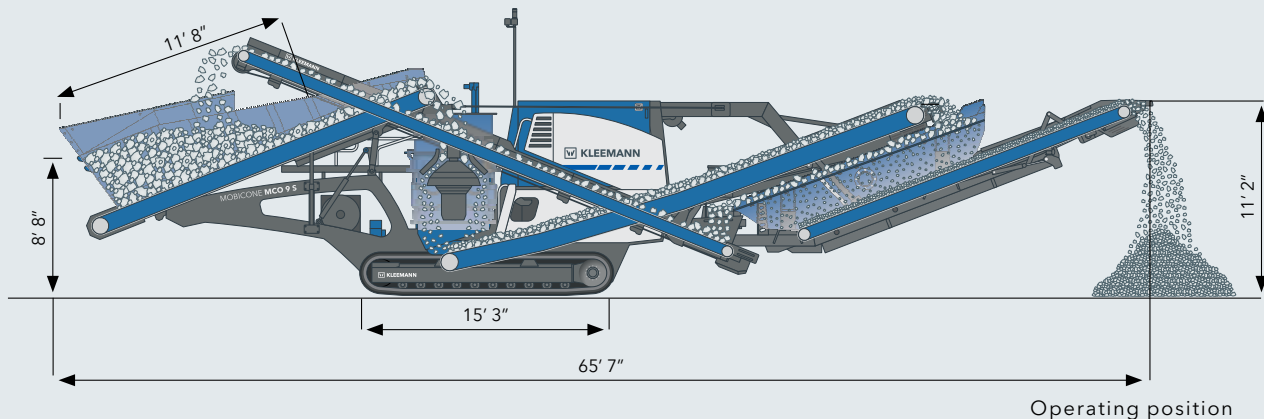


TECHNICAL INFORMATION | TRACK-MOUNTED CONE CRUSHERS

# 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. (US t/h) <sup>1)</sup>	270
Feed size max. (inch)	8"
Feed height approx. (inch)	8' 8"
Feed height with extension approx. (inch)	10' 1"
Hopper volume approx. (yd <sup>3</sup> )	8.4
Hopper volume with extension approx. (yd <sup>3</sup> )	9.8
Width x length approx. (inch)	8' 6" x 11' 8"
Width x length with extension approx. (inch)	8' 6" x 12' 7"

### Feeding conveyor

Width x length (inch)	40" x 21'
-----------------------	-----------

### Crusher

Cone crusher type	KX 200
Crusher system size d= (inch)	38"
Crusher weight approx. (lbs)	19,600
Crusher drive type, approx. (hp)	direct, 215
Plant performance at 0-32 mm approx. (US t/h)	209 - 243
Plant performance at 0-63 mm approx. (US t/h)	270 - 298

### Crusher discharge conveyor

Width x length (inch)	32" x 30' 6"
Discharge height approx. (inch)	11' 2"

### Power supply unit

Drive concept	diesel direct <sup>2)</sup>
MCO 9 S EVO: Scania (Tier 3/ Stage IIIA) (hp)	387 (1,500 rpm)
Scania (LRC) (hp)	387 (1,500 rpm)

MCO 9 Si EVO: Scania (Tier 4f/ Stage IV) (hp)	385 (1,500 rpm)
Generator (kVA)	135 (1,500 rpm)
<b>Secondary screening unit (optional)</b>	
Type	vibrating single-deck screen
Width x length (inch)	53" x 14' 9"
Return conveyor approx. (inch)	20" x 32'
Discharge height of fine grain discharge conveyor approx. (inch)	11' 2"
<b>Transport dimensions secondary screening unit separate<sup>3)</sup></b>	
Transport length approx. (inch)	54' 8"
Transport weight of screening unit approx. (lbs)	12,125
<b>Transport dimensions with secondary screening unit</b>	
Transport length with screening unit approx. (inch)	68' 2"
Transport width approx. (inch)	10' 6"
Transport height approx. (inch)	11' 10"
Transport weight basic system - max. equipment approx. (lbs)	90,400 - 93,700
Weight (fully equipped) USA approx. (lbs)	90,950

<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. 8.4 yd<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 9.8 yd<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**

<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="240 1249 528 1507"> <p>Standard Coarse (SC)</p> </td> <td data-bbox="528 1249 815 1507"> <p>Standard Medium (SM)</p> </td> <td data-bbox="815 1249 1102 1507"> <p>Standard Fine (SF)</p> </td> </tr> <tr> <td data-bbox="240 1507 528 1823"> <p>Short Head Coarse (SHC)</p> </td> <td data-bbox="528 1507 815 1823"> <p>Short Head Medium (SHM)</p> </td> <td data-bbox="815 1507 1102 1823"> <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>
<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>					

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