

Technical Information

MOBICONE MCO 110i PRO



Track-mounted cone crusher

For use in natural stone

MOBICONE PRO

Series

HIGHLIGHTS

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



MOBICONE MCO 110i PRO mobile cone crusher

The MOBICONE MCO 110i PRO mobile cone crusher stands out with its extremely robust design and very high performance.

As an option, the plant can be operated using an external power source and it requires impressively little maintenance.

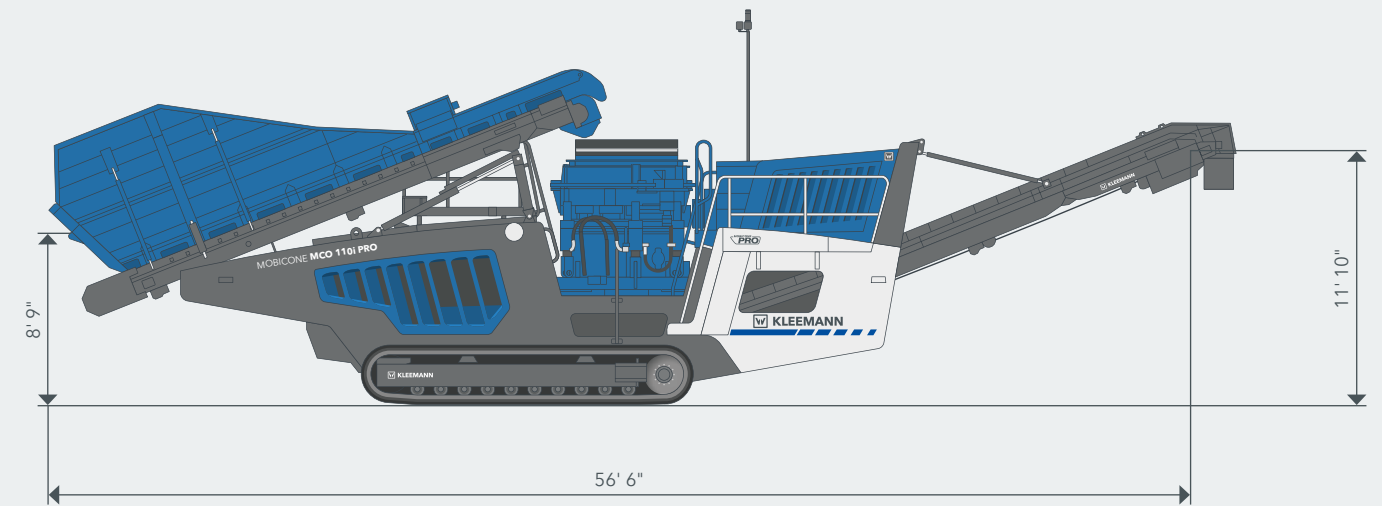
TECHNICAL DATA MCO 110i PRO - US SPEC

Feeding unit	
Feed capacity up to approx. (US t/h)	518
Feed size max.	10"
Feed height approx.	8' 6"
Hopper volume (yd ³)	9.8
Feed height with filling aid for rear loading approx.	9' 7"
Hopper volume with filling aid for rear loading (yd ³)	12
Feed opening with filling aid for rear loading approx.	13' 11"
Feeding conveyor	
Width x length (mm)	48" x 24' 7"
Speed	variable (controlled by CFS)
Crusher	
Cone crusher type	KX 350
Crusher diameter	44"
Crusher weight approx. (lbs)	35,700
Crusher drive type, approx. (hp)	electric, 335

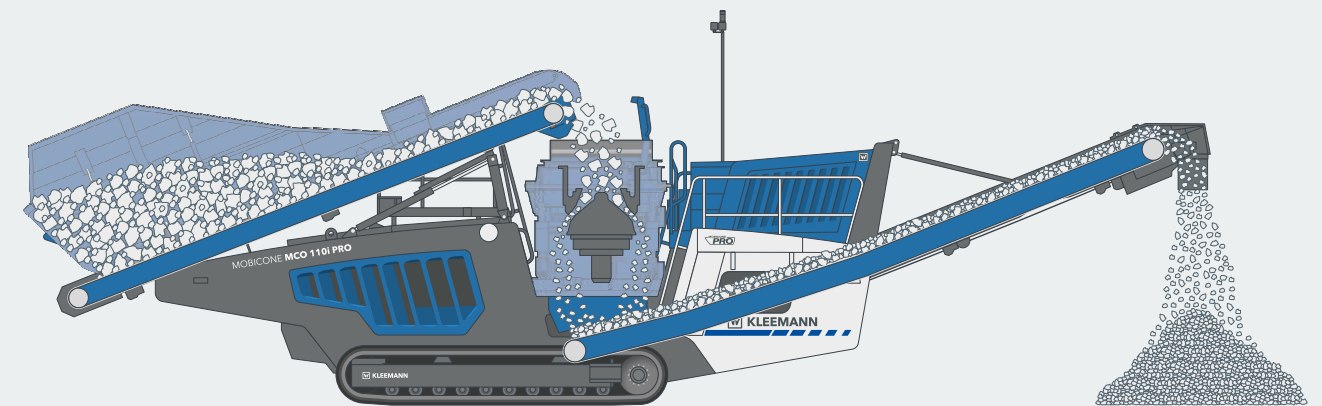
Crusher	
Crushing capacity for secondary end product 0"/1.8" up to approx. (US t/h)	430 ¹⁾
Crushing capacity for secondary end product 0"/2.2" up to approx. (US t/h)	463 ¹⁾
Crushing capacity for tertiary end product 0"/0.9" up to approx. (US t/h)	254 ¹⁾
Crusher discharge conveyor	
Width x length (extended)	40" x 30' 2" (35' 1")
Discharge height approx. (extended)	11' 10" (14' 5")
Power supply unit	
Drive concept	diesel-electric
Scania (Tier 4f/Stage IV) (hp)	493 (1,800 rpm)
Generator (kVA)	500
Transport position dimensions	
Height approx.	12' 8"
Length approx.	57' 9"
Width approx.	9' 10"
Transport weight basic plant - max. equipment approx. (lbs)	111,450 - 126,600

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

OPERATING POSITION



MATERIAL FLOW



The MOBICONE MCO 110i PRO is equipped with a simple sliding mechanism on the feed unit, which puts the machine into a compact transport position and enables quick set-up. The sliding mechanism also makes it easy to adjust the material discharge pattern into the crusher - for optimal loading. Fitted with the „Tramp Release“ and

„Ring Bounce Detection“ intelligent overload systems, safety and stable processes can be guaranteed even under difficult conditions.

Easy operation is ensured by the intuitive SPECTIVE and SPECTIVE CONNECT operating concept.

STANDARD EQUIPMENT

- > Hopper made of KRS (Kleemann Resistant Steel), hopper volume approx. 9.8 yd³
- > 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
- > Magnetic separator for lifting out ferrous elements
- > 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
- > Automatic lubrication of cone crusher guarantees rapid operational readiness, lubrication unit with six heating elements
- > SPECTIVE control concept: Menu-guided user interface, 12-inch operating panel; 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
- > Line coupling for linking with other KLEEMANN plants
- > Water spray system for reducing dust
- > Lighting

OPTIONS

- > SPECTIVE CONNECT displays all important machine information directly on the smartphone
- > Replaceable hopper elements: KRS Kleemann Resistant Steel and plastic elements
- > Hopper filling aids for rear feeding: Feed opening width 14 feet; hopper volume approx. 12 yd³
- > Extended crusher discharge conveyor, discharge height approx. 13' 9" inch, hydraulically foldable
- > Belt scale in crusher discharge conveyor, can be read via SPECTIVE
- > Crusher discharge conveyor belt cover (standard and extended)
- > Head scraper on crusher discharge conveyor
- > External power supply for economic mains operation
- > 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
- > Water pump with pressure monitoring
- > Raised engine air intake for lower dust load
- > 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 for expanded illumination of work areas
- > Climate packages: Hot and cold package (self-sufficient auxiliary)



Economic operation of the machine also requires choosing the correct wear parts. KLEEMANN original parts are ideally tuned to the requirements of users and machines. Thanks to our application know-how and expert advice, we help our customers to find the optimal wear part for their individual application. Further information: parts.wirtgen-group.com

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