

Technical Information

MOBIREX MR 110 EVO2



Track-mounted impact crusher

For use in natural stone and recycling

MOBIREX EVO2

Series

HIGHLIGHTS

- > Optimised material flow as a result of extending system widths
- > Hydraulic gap setting
- > Simple and intuitive SPECTIVE control concept
- > Efficient and powerful D-DRIVE diesel-direct drive
- > High-performance post screening units with oversize grain return (option)

MOBIREX MR 110 EVO2 mobile impact crusher

The MOBIREX MR 110 EVO2 mobile impact crusher can be deployed universally and produces first-class final product quality. With a crusher inlet of 1,100 mm and numerous technical highlights, an impressive production rate can be achieved with outstanding cost-effectiveness.

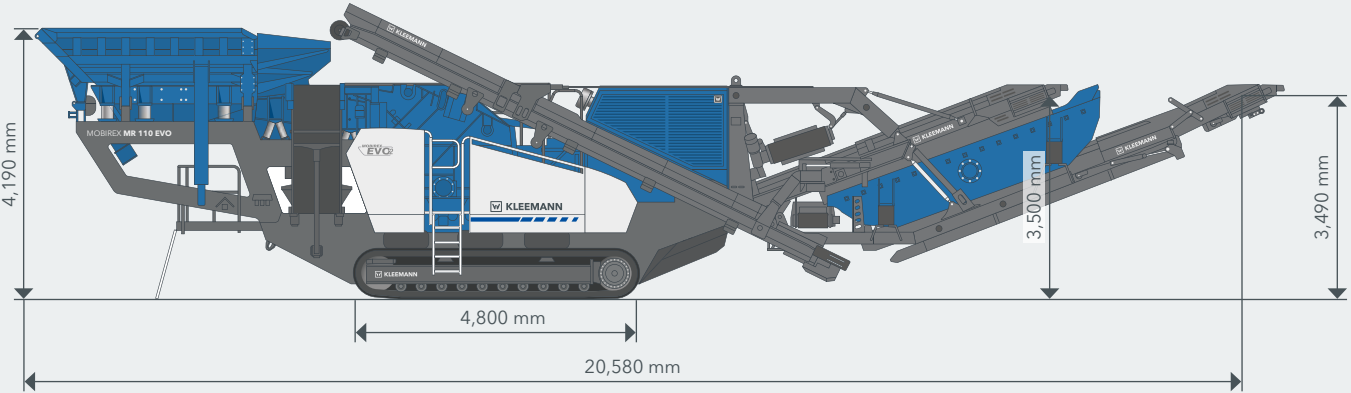


TECHNICAL DATA MR 110 EVO2		
Feeding unit		
Feed capacity up to approx. (t/h)	350 ¹⁾	
Max. feed size (mm)	880 x 550 x 330	
Feed height (with extension) (mm)	4,190 (4,550)	
Hopper volume (with extension) (m³)	4.4 (8)	
Width x length (with extension) (mm)	2,100 x 3,700 (2,800 x 3,700)	
Vibrating feeder		
Width x length (mm)	900 x 2,600	
Prescreening		
Type	Double-deck heavy-piece screen	
Width x length (mm)	1,010 x 2,100	
Side discharge conveyor (optional)		
Width x length (extended) (mm)	650 x 4,000 (6,000)	
Discharge height approx. (extended) (mm)	2,900 (3,650)	
Crusher		
Impact crusher type	SHB 110-080	
Crusher inlet width x height (mm)	1,100 x 800	
Crusher weight approx. (kg)	13,000	
Rotor diameter (mm)	1,100	
Crusher drive type, approx. (kW)	direct, 310	
Adjustment of impact toggles	infinitely variable, fully hydraulic	
Crushing capacity with demolished concrete up to approx. (t/h)	240 ²⁾	
Crushing capacity with rubble up to approx. (t/h)	240 ²⁾	
Crushing capacity with broken asphalt up to approx. (t/h)	205 ³⁾	
Crushing capacity with limestone up to approx. (t/h)	265 ²⁾	
Discharge chute		
Width x length (mm)	1,200 x 2,400	
Crusher discharge conveyor		
Width x length (mm)	1,200 x 9,300	

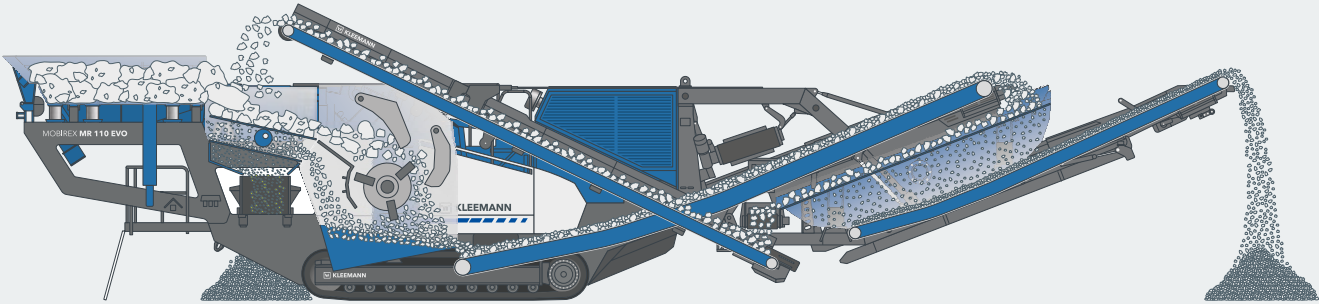
Crusher discharge conveyor	
Discharge height approx. (mm)	3,550
Power supply unit	
Drive concept	diesel-direct ⁴⁾
Drive output of Scania diesel engine (kW)	365 – 371 ⁵⁾
Generator (kVA)	135
Post screening unit (optional)	
Single-deck post screening unit	
> Width x length (mm)	1,350 x 4,550
> Discharge height of fine grain discharge conveyor approx. (mm)	3,490
Double-deck post screening unit	
> Width x length (mm)	1,350 x 4,550
> Discharge height of fine grain discharge conveyor approx. (mm)	3,430
Return conveyor (mm)	500 x 9,100
Transport	
Transport dimensions without options	
> Transport height (mm)	3,600
> Transport length approx. (mm)	17,340
> Max. transport width (mm)	3,000
Transport dimensions with post screening unit	
> Transport length with single-deck post screening unit (mm)	21,110
> Transport length with double-deck post screening unit (mm)	21,750
> Transport width with screening unit (mm)	3,050
Transport weight	
> Transport weight single-deck post screening unit (kg)	6,100
> Transport weight double-deck post screening unit (kg)	8,400
> Transport weight of basic plant - max. configuration (kg)	44,500 – 61,000

¹⁾ depending on the feed material type and composition, as well as the feed size, the prescreening and the desired final grain size
²⁾ for final grain size 0 – 45 mm with approx. 10 – 15 % oversize grain ³⁾ for final grain size 0 – 32 mm with approx. 10 – 15 % oversize grain
⁴⁾ all ancillary electric drives ⁵⁾ depending on the respective exhaust emission standard

OPERATING POSITION



MATERIAL FLOW



The MOBIREX MR 110 EVO2 stands out with its optimal material flow concept: The system widths are extended over the entire plant in the direction of material flow. This means that the material flow is not restricted and material bridging can be effectively avoided. The Continuous Feed System makes the operator's work

easier, as the machine automatically regulates a homogeneous material flow, ensuring optimum loading of the crusher. Thanks to the optional double-deck post screening unit, 2 classified final products can be produced.

STANDARD EQUIPMENT

- > Hydraulically-folding feed hopper, can be operated from the ground
- > Frequency-controlled vibrating feeder
- > Frequency-controlled prescreen
- > Continuous Feed System (CFS) for optimum crusher loading
- > Automatic crusher gap adjustment
- > Integrated overload protection
- > Rotor lock & turn device: system for securely turning and locking the rotor for maintenance tasks or in the event of blockages
- > Swivel arm for changing rotor ledges
- > SPECTIVE control concept: menu-guided user interface, 12-inch control panel
- > John Deere Operations Center™: platform for digital solutions for optimising processes, machines and services – and to simplify maintenance planning
- > LED lighting
- > Water spray system for dust reduction

OPTIONS

- > SPECTIVE CONNECT for displaying all important machine information directly on the smartphone
- > Hopper extension: hydraulically folding
- > Side discharge conveyor 4 m, rigid: can be fitted on the left or right, must be disassembled for transport, incl. spray system
- > Extended side discharge conveyor 6 m, rigid: can be fitted on the left or right, must be disassembled for transport, incl. spray system
- > Side discharge conveyor belt cover (canvas, metal) in conjunction with rigid side discharge conveyor

OPTIONS

- > Side discharge conveyor, hydraulically folding, can be mounted on both sides, remains on machine during transport, incl. spray system
- > Quick Track for selecting machine operating mode quickly and easily, operation via radio remote control
- > Heating or cooling package
- > Power pack enclosure for noise insulation and minimisation of dust development
- > Raised engine air intake for lower dust load
- > Electromagnetic separator, permanent magnetic separator, magnet preparation
- > Frequency converter for adaptation of the frequency of the post screening unit independently of the speed of the diesel generator
- > Hook-lift system for simple transport of the post screening unit
- > Post screening unit as single deck vibrating screen for classification of a final grain size, incl. spray system
- > Post screening unit as double-deck vibrating screen for classification of two final grain sizes, incl. spray system
- > Belt scale, available for crusher discharge conveyor, medium grain conveyor and fine grain conveyor (post screening unit) with WPT Crushing for worldwide live recording of performance data and construction site progress in the John Deere Operations Center™
- > Wind sifter for cleaning oversize grain by removing foreign bodies and lightweight materials, only available in conjunction with the post screening unit option, 2nd wind sifter for cleaning medium grain available with the double-deck post screening unit option
- > Sockets for supplying electrical users:
16 A: 230 V / 400 V; 32 A: 400 V
- > Water pump with pressure monitoring
- > Line coupling for linking with other KLEEMANN plants
- > Track pads for crawler chassis for ground protection
- > Premium lighting for expanded illumination of work areas

KLEEMANN GmbH

Manfred-Wörner-Str. 160
73037 Göppingen
Germany

T: +49 7161 206-0
F: +49 7161 206-100
M: info@kleemann.info

> www.kleemann.info



KLEEMANN