



Technical Information

MOBIREX MR 130 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 unit with oversize grain return (option)

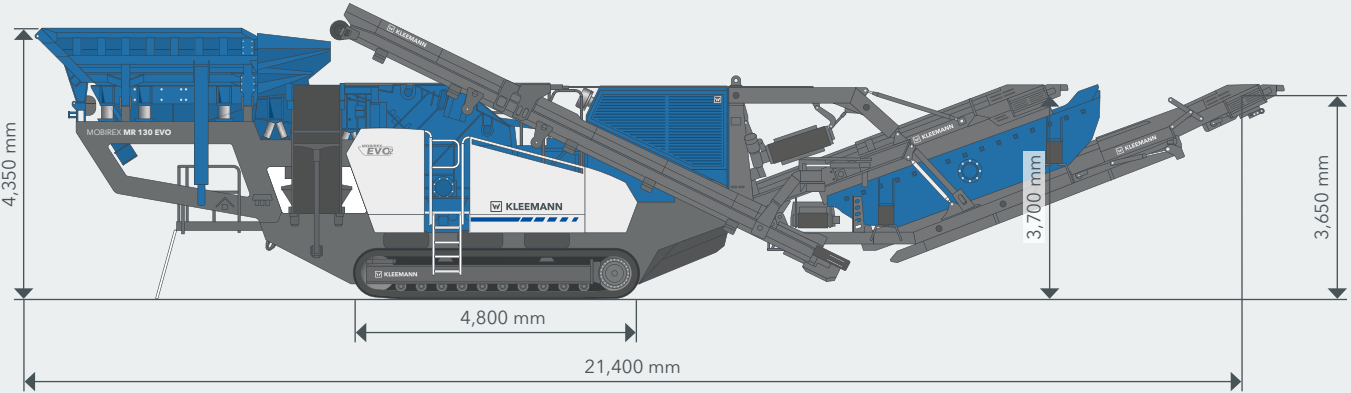
MOBIREX MR 130 EVO2 mobile impact crusher

The MOBIREX MR 130 EVO2 mobile impact crusher can be deployed universally and produces first-class final product quality. With a crusher inlet width of 1300 mm, it achieves a production that was previously only associated with considerably larger crushing plants. Excellent efficiency and performance are achieved through a variety of technical highlights. Thanks to its compact design, the plant is easy to transport and quick to assemble and disassemble.

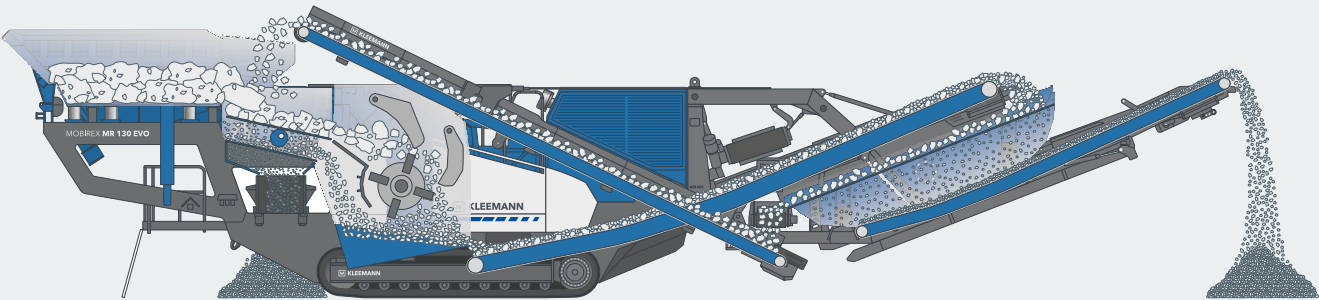


TECHNICAL DATA MR 130 EVO2		
Feeding unit		
Feed capacity up to approx. (t/h)	450 ¹⁾	
Max. feed size (mm)	1,040 x 650 x 390	
Feed height (with extension) (mm)	4,350 (4,710)	
Hopper volume (with extension) (m³)	5 (9)	
Width x length (with extension) (mm)	2,250 x 3,700 (3,000 x 3,700)	
Vibrating feeder		
Width x length (mm)	1,000 x 2,614	
Prescreening		
Type	Double-deck heavy-piece screen	
Width x length (mm)	1,210 x 2,300	
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 130-090	
Crusher inlet width x height (mm)	1,300 x 900	
Crusher weight approx. (kg)	16,500	
Rotor diameter (mm)	1,200	
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)	300 ²⁾	
Crushing capacity with rubble up to approx. (t/h)	300 ²⁾	
Crushing capacity with broken asphalt up to approx. (t/h)	260 ³⁾	
Crushing capacity with limestone up to approx. (t/h)	340 ²⁾	
Discharge chute		
Width x length (mm)	1,400 x 2,700	
Crusher discharge conveyor		
Width x length (mm)	1,400 x 9,700	
Discharge height approx. (mm)	3,650	
Power supply unit		
Drive concept	diesel-direct ⁴⁾	
Scania diesel engine drive power (kW)	368 – 410 ⁵⁾	
Generator (kVA)	135	
Post screening unit (optional)		
Type	Single-deck secondary screening unit	
Width x length (mm)	1,550 x 4,550	
Oversize grain return conveyor (wider) (mm)	500 x 9,750 (650 x 9,750)	
Discharge height of fine grain discharge conveyor approx. (mm)	3,580	
Transport		
Transport dimensions without options		
> Transport height (mm)	3,750	
> Transport length approx. (mm)	18,385	
> Max. transport width (mm)	3,000	
Transport dimensions with post screening unit		
> Transport length with screening unit (mm)	21,620	
> Transport width with screening unit (mm)	3,150	
Transport weight		
> Transport weight of screening unit (kg)	6,500	
> Transport weight of basic plant - max. configuration (kg)	49,500 – 64,500	

OPERATING POSITION



MATERIAL FLOW



Optimum material flow is guaranteed: the MOBIREX MR 130 EVO2's system widths have been extended over the entire plant in the direction of material flow. The material flow is therefore not narrowed and material bridging can also be effectively prevented. Thanks to the fully hydraulic adjustment of the crushing gap, the plant

can adapt quickly to the material or the desired final grain size. Operation is intuitive thanks to the SPECTIVE and SPECTIVE CONNECT operating concept.

¹⁾ Depending on the type and composition of the feed material, 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

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 clearing 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 displays 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 insulation of noise sources 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 post screening unit's frequency, independently of the speed of the diesel generator
- > Hook-lift system for simple transport of the post screening unit
- > Single-deck post screening unit as single deck vibrating screen for classification of a final grain size, available with 500 or 650 mm wide return conveyor
- > Belt scale, available for crusher discharge 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 to remove foreign matter and lightweight materials by an 11 kW blower with air outlet under the transfer conveyor, only available in conjunction with the 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 protection of the ground
- > Premium lighting for expanded illumination of work areas

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