

Technical Information

MOBIREX MR 130(i) 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)

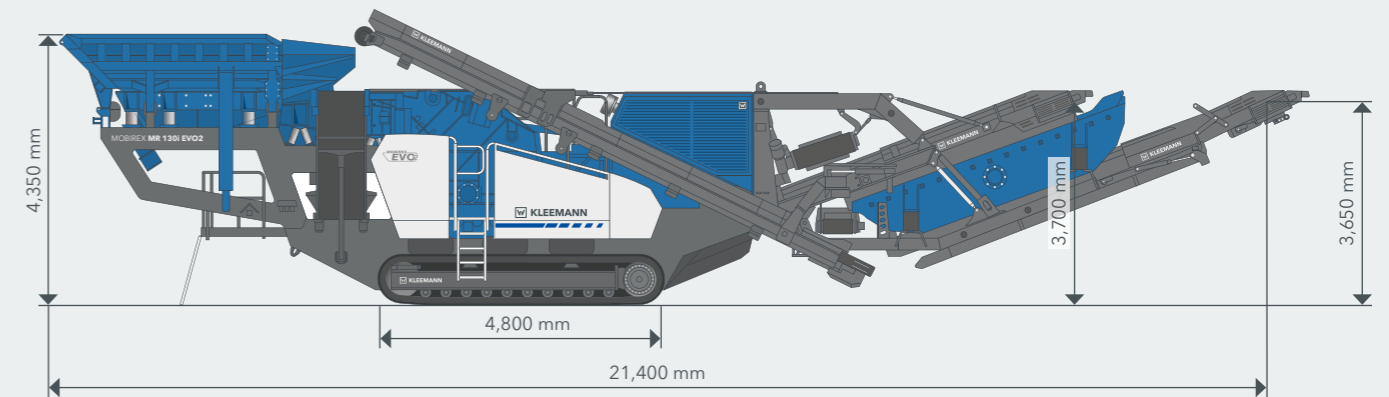
MOBIREX MR 130(i) EVO2 mobile impact crusher

The MOBIREX MR 130(i) 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.

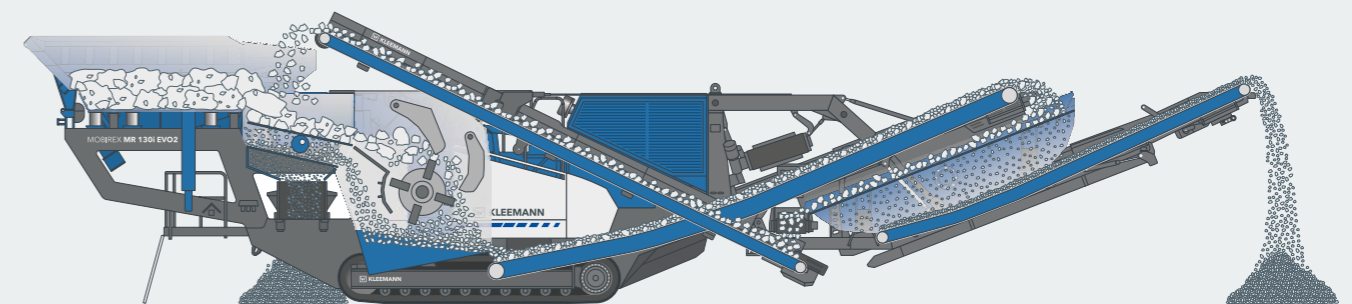


TECHNICAL DATA MR 130(i) EVO2	
Feeding unit	
Feed capacity up to approx. (t/h)	450 ¹⁾
Max. feed size (mm)	1,040 x 650 x 390
Feed height (with extension) (mm)	4,350 (4,710)
Hopper volume (with extension) (m ³)	5 (9)
Width x length (with extension) (mm)	2,250 x 3,700 (3,000 x 3,700)
Vibrating feeder	
Width 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 with 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(i) 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; WITOS FleetView telematics system for efficient fleet and service management
- > 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
- > Climate control packages: hot climate or cold climate 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 (double-deck post screening unit upon request)
- > Belt scale, available for crusher discharge conveyor and fine grain conveyor (post screening unit)
- > 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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