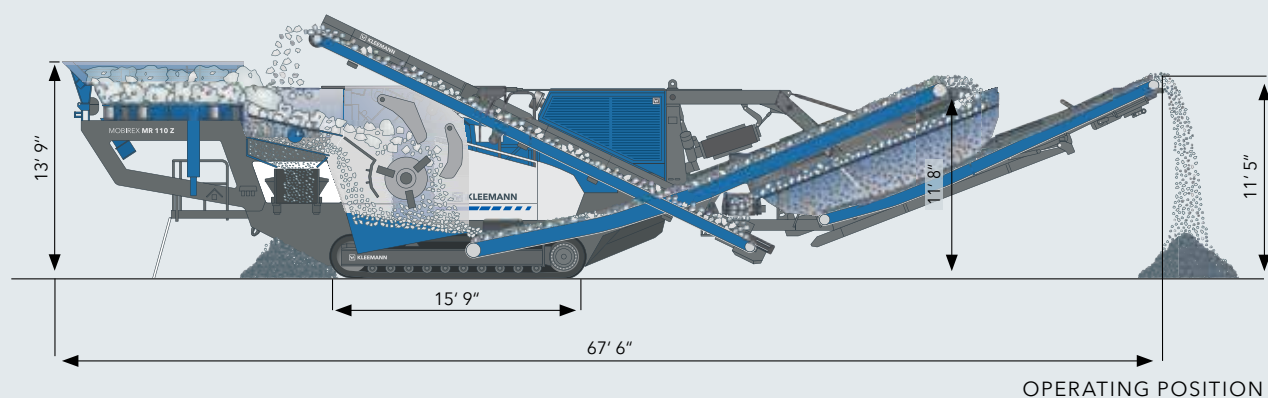




TECHNICAL INFORMATION | TRACK-MOUNTED IMPACT CRUSHER

# MOBIREX MR 110 Zi EVO2





## TECHNICAL HIGHLIGHTS

- Optimized material flow due to opening system widths
- Hydraulic gap setting
- Easy and intuitive SPECTIVE control concept
- Efficient and powerful diesel-direct drive
- High performance secondary screening unit with oversize grain returning

## TECHNICAL INFORMATION MR 110 Zi EVO2

### Feeding unit

Feed capacity up to approx. (US t/h) <sup>1)</sup>	386
Max. feed size (inch)	35" x 22"
Feed height (with extension) (inch)	13' 9" (14' 11")
Hopper volume (with extension) (yd <sup>3</sup> )	5.8 (10.5)
Width x length (with extension) (inch)	6' 11" x 12' 2" (9' 2" x 12' 2")

### Vibrating feeder

Width x length (inch)	36" x 8' 6"
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### Prescreening

Type	double-deck heavy-piece screen
Width x length (inch)	40" x 6' 11"

### Side discharge conveyor rigid (optional)

Width x length (extended) (inch)	26" x 13' 2" (19' 6")
Discharge height approx. (extended) (inch)	9' 6" (12')

### Crusher

Impact crusher type	SHB 110-080
Crusher inlet width x height (inch)	44" x 32"
Crusher weight approx. (lbs)	28,660
Rotor diameter (inch)	44"
Crusher drive type, approx. (hp)	direct, 349
Type of impact toggle adjustment	infinitely variable, fully hydraulic
Crushing capacity with demolished concrete up to approx. (US t/h)	265 <sup>2)</sup>
Crushing capacity with rubble up to approx. (US t/h)	265 <sup>2)</sup>
Crushing capacity with demolished asphalt up to approx. (US t/h)	226 <sup>3)</sup>
Crushing capacity with limestone up to approx. (US t/h)	231 <sup>2)</sup>

### Discharge chute

Width x length (inch)	48" x 7' 11"
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### Crusher discharge conveyor

Width x length (inch)	48" x 30' 6"
Discharge height approx. (inch)	11' 8"

### Power supply unit

Drive concept	diesel direct <sup>4)</sup>
Scania (Tier 4f/Stage IV) (hp)	493 (1,800 rpm)
Generator (kVA)	135

### Secondary screening unit

Type	single-deck light-piece screen
Width x length (inch)	53" x 14' 11"
Oversize grain return conveyor (inch)	20" x 29' 10"
Discharge height fine grain discharge conveyor approx. (inch)	11' 5"

### Transport

#### Transport dimensions without options

Transport height (inch)	11' 10"
Transport length (inch)	55' 11"
Transport width (inch)	9' 10"

#### Transport dimensions with secondary screening unit

Transport length with screening unit (inch)	69' 3"
Transport width with screening unit (inch)	10'

Transport weight screening unit (lbs)	13,500
Transport weight of basic plant - max. configuration (lbs)	120,150 - 129,000

<sup>1)</sup> Depending on type and composition of feed material, feed size, primary screening as well as target final grain size

<sup>2)</sup> with final grain size 0" - 1.8" with approx. 10 - 15% oversize grain

<sup>3)</sup> with final grain size 0" - 1.3" with approx. 10 - 15% oversize grain

<sup>4)</sup> all electric ancillary drives



## MOBIREX MR 110 Zi EVO2

The mobile impact crusher MOBIREX MR 110 Zi EVO2 can be universally deployed and produces first class final product quality. With a crusher inlet of 44" and numerous technical highlights, a formidable production rate can be achieved with the best cost effectiveness. Thanks to its compact design, the machine is easy to transport and can be assembled and disassembled quickly.

### STANDARD EQUIPMENT

- Hydraulically folding feed hopper, can be operated from ground
- Frequency-controlled vibrating feeder
- Frequency-controlled prescreen
- Prescreen covering with slotted grate or punched plate (upper deck) and wire cloth (lower deck)
- Extended side discharge conveyor 19' 6", rigid: can be mounted on left or right, discharge height approx. 12', must be dismantled for transport, inc. spray system
- Quick Track for setting machine operating mode quickly and easily, operation via radio remote control
- Impact crusher with rotor ledge set made of martensitic
- 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
- Secondary screening unit, in convenient container dimensions, hook lift compatible inc. spray system
- Swivel arm for changing rotor ledges
- SPECTIVE control concept: menu-guided user interface, 12-inch control panel; telematics system WITOS FleetView for efficient fleet and service management
- Lockable control cabinet, dust and vibration protected
- LED lighting
- Eye hooks
- Water spray system for dust reduction

### OPTIONS

- Hopper extension: hydraulically folding
- Side discharge conveyor 13' 2", rigid: can be mounted on left or right, discharge height 9' 6", must be dismantled for transport, inc. spray system
- Side discharge conveyor belt cover (sheet metal) in connection with rigid side discharge conveyor
- Side discharge conveyor, hydraulically folding, can be mounted on both sides, discharge height 11' 1", remains on machine during transport, inc. spray system
- Climate packages: hot climate or cold climate package
- Ergonomic power pack enclosure for insulating noise sources
- Electromagnetic separator, permanent magnetic separator, magnet preparation
- Belt scales, available for crusher discharge conveyor and fine grain conveyor (secondary screening unit)
- Air classifier for cleaning oversize grain from foreign matter and light-weight matter through 15 hp blower with air outlet under transfer conveyor. Only available in connection with screening unit option.
- Trackpads for crawler chassis for protection of ground
- Premium lighting

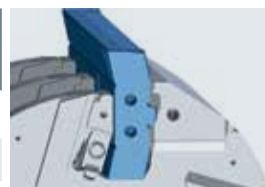


## SPARE PARTS

For cost effective operation of the machine, it is necessary to select the correct wear parts. Original parts from KLEEMANN are optimally designed for the requirements of the user and machine. They are characterized 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.

## ROTOR LEDGES

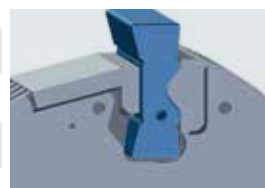
Machine type	Shape of rotor ledge	Dimensions W x H x L [inch]	Manganese rotor ledges	Martensitic rotor ledges	Martensitic rotor ledges with ceramic	Chrome steel rotor ledges	Chrome steel rotor ledges with ceramic
MR 110 Zi EVO2	C-shape	3.5" x 14" x 43"	x	x	x	x	x
MR 122 Zi	X-shape	5" x 13" x 49"	x	x	x		
MR 130 Zi EVO2	C-shape	4" x 15" x 50"	x	x	x	x	x
MR 150 Z	X-shape	5" x 15" x 59"	x	x	x		



C-shape



S-shape



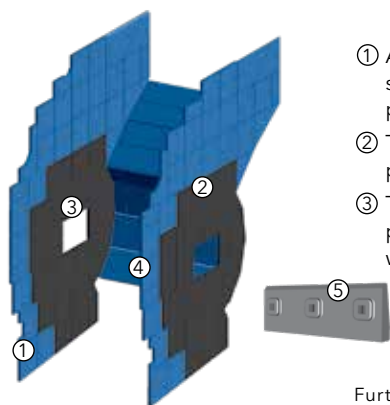
X-shape

Material	Feed material						
	Soft to medium-hard stone (e.g. limestone), river gravel < 150 N/inch	Hard stone with low abrasiveness (e.g. basalt), river gravel	Hard stone with high abrasiveness (e.g. granite), river gravel	Asphalt	Concrete with low iron content	Concrete with high iron content	Rubble
Manganese	●	●	●	●	●	●	●
Martensitic	●	● < 18"	●	●	●	●	●
Martensitic with ceramic	● < 18"	● < 18"	● < 18"	●	●	●	●
Chrome steel	● < 10"	● < 10"	● < 10"	●	●	●	●
Chrome steel with ceramic	● < 10"	● < 10"	● < 10"	●	●	●	●

● Recommended ● Partly recommended ● Not recommended

For queries about the suitable rotor ledge, please contact your sales and service organization.

## IMPACT PLATES



- ① All wear plates from the main wear zone including securing material are included in the service package for easy replacement
- ② Thick-walled KLEEMANN resistant steel wear plates protect the housing
- ③ The wear plates can be interchanged for the most part, which means that the need for stocking up with spares is significantly reduced.

- ④ The securing material includes all necessary bolts for secure attachment
- ⑤ Example for cast manganese impact plate that can be replaced individually depending on the machine and requirement.\*

\* Two materials available: manganese steel and martensitic steel

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