

Technical Information

MOBICAT MC 100i EVO



Track-mounted jaw crusher
For use in natural stone and recycling

MOBICAT EVO
Series

HIGHLIGHTS

- > Continuous Feed System (CFS) for optimal crusher loading
- > Innovative crusher unblocking system for extremely short downtimes
- > Efficient and powerful D-DRIVE diesel-direct drive
- > Easy control via menu-guided touch panel



MOBICAT MC 100i EVO mobile jaw crusher

The smallest mobile jaw crusher excels with its compact design and reliability. It can be used for a huge variety of materials, offering wide-ranging possibilities for both demolition companies

and contract crushers. The MOBICAT MC 100i EVO is economical to use thanks to its diesel-direct drive.

MC 100i EVO TECHNICAL DATA - US SPEC			
Feeding unit			
Feed capacity up to approx. (US t/h)	243 ¹⁾		
Feed size max.	34" x 21"		
Feed height (with extension)	10' 6" (12' 2")		
Hopper volume (with extension) (yd ³)	4.2 (9.3)		
Width x length (with extension)	6' 3" x 9' 10" (10' 2" x 9' 2")		
Vibrating feeder with integrated prescreening			
Width x length	35" x 12' 11"		
Side discharge conveyor ²⁾			
Width x length (extended optional)	20" x 8' 10" (16' 5")		
Discharge height approx. (extended optional)	6' 11" (9' 10")		
Crusher			
Single-toggle jaw crusher model	STR 95 - 055		
Crusher inlet width x depth	37" x 22"		
Crusher weight approx. (lbs)	26,455		
Crusher drive type, approx. (hp)	Direct, 215		
Gap width adjustment range	1" - 5" ³⁾		
Gap adjustment	Fully hydraulic		
		Crushing capacity ⁴⁾	
		Crushing capacity with CSS = 2.4" up to approx. (US t/h)	116
		Crushing capacity with CSS = 3.3" up to approx. (US t/h)	165
		Crusher discharge conveyor	
		Width x length (extended)	40" x 28' 3" (33' 2")
		Discharge height approx. (extended)	10' (12')
		Power supply unit	
		Drive concept	Diesel direct ⁵⁾
		Deutz (Tier 4f/Stage IV) (hp)	208 hp (1500 rpm)
		Generator (kVA)	85
		Transport	
		Transport height approx.	10' 6"
		Transport length approx.	42' 6"
		Transport width max.	9' 10"
		Transport weight of basic plant - max. configuration approx. (lbs)	74,550 - 83,850

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

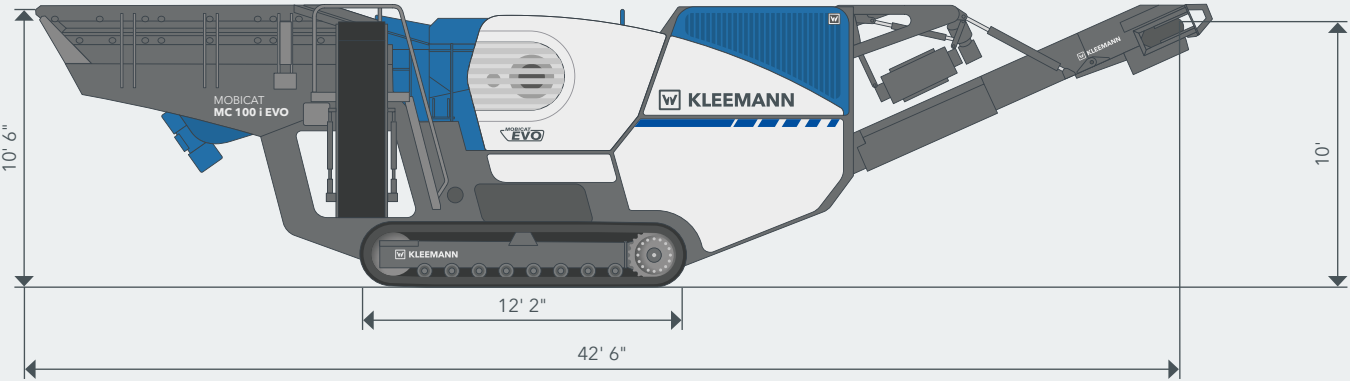
²⁾ Side discharge conveyor remains attached to the plant for transportation

³⁾ CSS: Peak to Valley; the gap width range can be changed using special crusher jaws and/or distance plates

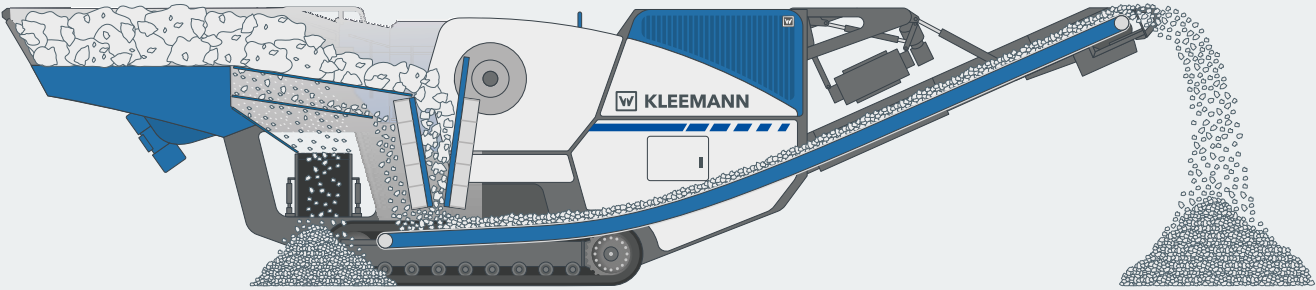
⁴⁾ For hard stone, CSS = Close Side Setting

⁵⁾ All electric auxiliary drives

OPERATING POSITION



MATERIAL FLOW



With its low weight and very compact dimensions, the MOBICAT MC 100i EVO can be used directly on site – even at narrow or hard-to-reach construction sites in urban areas. Short set-up times are also ensured thanks to feeding unit integrated in the chassis, which means that it no

longer necessary to fold the hopper walls in and out. Menu-controlled operation with a continuous text fault display enables simple and intuitive operation. In addition, quick access to the control panel is available via a separate, smaller door-in-door.

STANDARD EQUIPMENT

- > Hopper walls integrated in chassis
- > Frequency-controlled vibrating feeder with integrated prescreening
- > Side discharge conveyor (left side) 8' 10" hydraulically foldable, discharge height approx. 6' 11"
- > Continuous Feed System (CFS) for continuous crusher feed
- > Crusher jaws made of high-quality hard manganese-high carbon steel that can be turned to ensure even wear
- > Remote control: Cable and radio remote control including switch-off function for feeding unit
- > Control via touch panel, lockable control cabinet, protected against dust and vibration
- > Basic preparation of magnet
- > Water spray system for reducing dust
- > Water pump with pressure monitoring
- > Lighting, 3 LED spotlights with extendable light pole

OPTIONS

- > Small hopper extension up to entire hopper volume of approx. 7,8 yd³, rigid design
- > Hopper extension up to entire hopper volume of approx. 9.3 yd³, hydraulically foldable and lockable
- > Side discharge conveyor, hydraulically foldable, 16' 5" long, discharge height approx. 9' 10"
- > Large selection of different prescreen covering for upper and lower deck
- > Grizzly feeder platform in left feed direction next to the chute for maintenance and service activities (standard right)
- > Crusher unblocking system for starting the crusher when the crushing chamber is full, forward and reverse running possible
- > Automatic lubrication of crusher bearings
- > Extended crusher discharge conveyor, hydraulically foldable
- > Electromagnetic separator, permanent magnetic separator
- > Belt scale available for crusher discharge conveyor
- > Climate package: Heating package
- > 110 V socket
- > Line coupling for interlinking with other KLEEMANN plants
- > Track pads for the chassis tracks in order to protect the base frame
- > Premium lighting



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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