

Technical information

MOBISCREEN MSS 502 EVO

MOBISCREEN MSS 802 EVO



Track-driven screening plants

For use in natural stone and recycling

MOBISCREEN MSS EVO

Series

HIGHLIGHTS

- > Screen for coarse elements
- > Mobile double-deck screening unit
- > H-DRIVE diesel-hydraulic drive
- > Maximum feed size 640 x 400 x 240 mm (MSS 502 EVO) /
800 x 500 x 300 mm (MSS 802 EVO)



MOBISCREEN MSS 502 and 802 EVO mobile screens for coarse elements

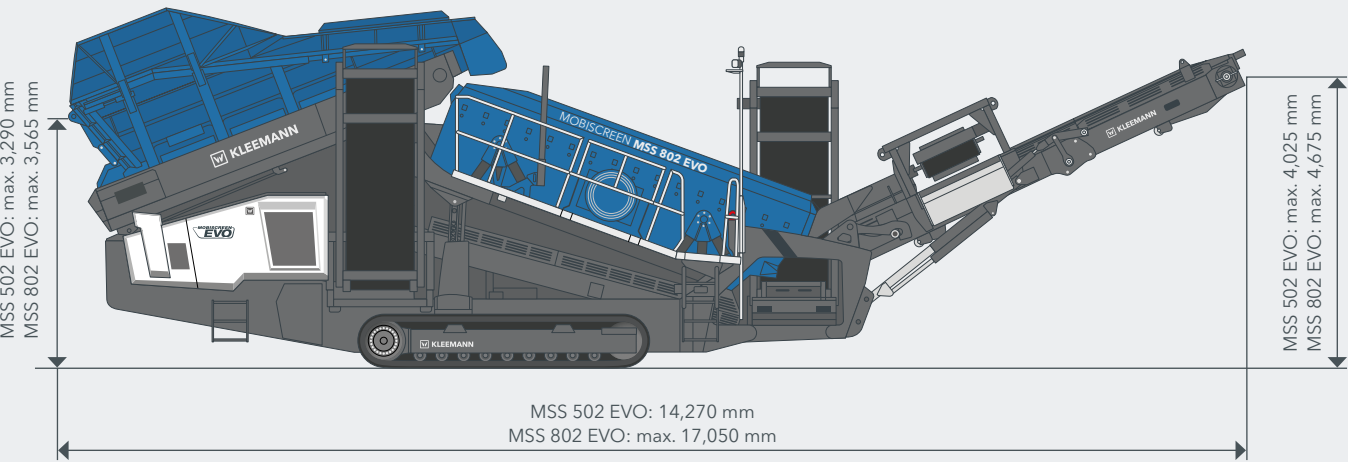
The MOBISCREEN MSS 502 EVO and MSS 802 EVO mobile screening plants are used as coarse screens in natural stone and recycling. The extensive range of screening surfaces and the simple setting of the screening parameters allow the

screening plants to be easily adapted to new operating conditions. Operation is convenient via a modern control system. Maintenance work can be carried out easily thanks to good accessibility.

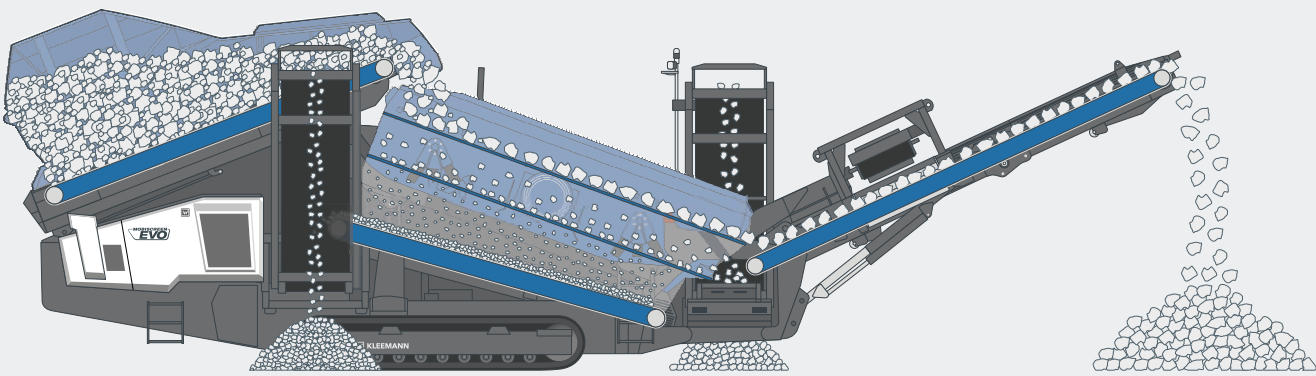
TECHNICAL DATA	MSS 502 EVO	MSS 802 EVO
Feeding unit		
Feed capacity up to approx. (t/h)	350	500
Max. feed size (mm)	640 x 400 x 240	800 x 500 x 300
Feed height approx. (mm)	3,290 (2,755 ¹⁾)	3,570 (2,830 ¹⁾)
Hopper volume (m³)	6.4	9.1
Hopper discharge conveyor		
Width x length (mm)	1,200 x 3,930	1,400 x 4,500
Screening unit		
Type	Double-deck scalping screen	
Top deck width x length (mm)	1,350 x 4,000	1,550 x 4,880
Bottom deck width x length (mm)	1,350 x 3,620	1,550 x 4,500
Fine grain conveyor		
Width x length (mm)	1,000 x 3,500	1,200 x 4,380
Fine grain discharger conveyor		
Width x length (mm)	800 x 7,130	900 x 7,760
Discharge height approx. (mm)	2,560 - 3,465	2,960 - 3,980 (4,400 ²⁾)
Discharge conveyor for medium grain		
Width x length (mm)	800 x 7,760	900 x 7,760
Discharge height approx. (mm)	2,310 - 3,630	2,310 - 3,630 (4,060 ²⁾)
Discharge conveyor for oversize grain		
Width x length (mm)	1,200 x 6,065	1,400 x 6,065 (7,545)
Discharge height approx. (mm)	2,625 - 4,025	2,650 - 4,050 (4,675 ²⁾)
Power supply unit		
Drive concept	diesel-hydraulic	
Power pack manufacturer	John Deere	
Power supply unit output (kW)	73 - 77	94 - 98
Transport position dimensions		
Height approx. (mm)	3,120	3,400
Length approx. (extended) (mm)	14,400	15,840 (16,780)
Width approx. (mm)	3,000	3,000
Transport weight basic system - max. equipment approx. (kg)	26,500 - 33,500	32,000 - 38,500

¹⁾ Height with folded-in hopper rear wall ²⁾ max. discharge height with long discharge conveyor (optional)

OPERATING POSITION



MATERIAL FLOW



With its proportionally controlled running gear, the plants for coarse screening can be moved quickly and precisely, whether from the low-loader to the application site or within the work site. The side discharge conveyors can be folded without the need to assemble or disassemble any components, thereby reducing set-up times.

More versatility is achieved thanks to a rear hopper wall that can be folded up the rear wall of the hopper, which makes it possible to feed crushing plants with a low discharge height. The plants can also be changed over from 3- to 2-way grit and can therefore be used to produce and discharge either three or two final grain sizes.

STANDARD EQUIPMENT

- > Double-deck screening unit
- > Generously dimensioned hopper unit
- > Feeding conveyor, smooth belt
- > Simple conversion from 3 to 2 final grain sizes
- > Removable, wired machine control system used for controlling all driving and movement functions, adapting settings and reading out machine data and troubleshooting aids
- > John Deere Operations Center™: platform for digital solutions for optimising processes, machines and services – and to simplify maintenance planning
- > Lighting concept in compliance with standards for lighting work platforms, the operator's position and crawler carrier chains in driving operation

OPTIONS

- > Individually foldable hopper filling aids for rearward and lateral loading: foldable and lockable via wired remote control
- > SPECTIVE CONNECT displays all important machine information directly on the smartphone
- > Apron feeder for feeding very coarse material
- > Side discharge conveyors with different designs: with magnetic drum and ejector chute, extendable (MSS 802 EVO only), mirror-image configuration

OPTIONS

- > Screen blanket or chain curtain reduces the speed of the feed material; can be installed on feeding or discharge side or in both positions of the screen casing
- > Release cords on conveyor belts for safe stopping in the event of an emergency
- > Diesel refuelling pump: hose system incl. pump
- > External power supply – for efficient mains operation, possibility to change between two energy sources: Own propulsion (diesel engine) or external power supply
- > Radio remote control: Crawler chassis, hopper discharge conveyor ON/OFF and speed setting, emergency stop
- > Line coupling for linking with other KLEEMANN plants
- > Large selection of screen surfaces for all decks, individual configuration option for the individual screen segments
- > Straps with screen beaters for use with sticky material
- > Electric water pump for autonomous supply of the spray system
- > Premium lighting for extended illumination of the material flow (transfer points and stockpiles)

MSS 802 EVO additional options

- > Extended crusher discharge conveyor, discharge height max. 4,675 mm
- > Permanent magnetic separator above the crusher discharge conveyor
- > Bolted-on wear lining made of wear-resistant steel (KRS)
- > Support feet, recommended for feed material with a very high bulk
- > Additional hydraulic connection for connection of a stockpile conveyor
- > 2-way preparation; parts from conversion kit are installed or enclosed



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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