



119 kW (Stage IIIa)



123 kW (Stage V)



27 t



11 m



723E

Mobile material handling machine

723E Advanced. The E-Series.



1974: Timber material handler with rigidly elevated operator's cab

What makes up the E-Series

- 60 years of experience in designing and constructing hydraulic material handlers
- Uncompromisingly high performance in all areas: Focus on material handling
- Technology that can be mastered: High-quality components without over-engineering
- Long product service life and high value retention

Your top benefits

1

Green Efficiency

Save fuel - reduce operating costs
Work quietly - protect operator and environment



2

Top-level performance

Durable mechanical systems - stressed parts optimized
High speeds - high load capacities

3

Maximum usability

Maxcab comfort cab - work in comfort
SENCON - work program selection made easy



4

Maximum safety

Safe entry and exit - non-slip steps
State-of-the-art cameras - entire work area in view

5

Maintenance and service made easy

SENNEBOGEN control system - easy diagnosis
Simple maintenance - clear labeling

6

Consultation and support in your area

3 production sites - 2 subsidiaries
150 sales partners - over 350 service stations





723E The timber handling machine

Fully equipped standard

Optimum performance

- Powerful drives for high driving performance and handling capacity, even during blended movements
- Large hydraulics and perfectly adjusted cooling for ideal working conditions
- High load capacities with low deadweight

Small ballast - compact dimensions

- Small front and rear radius for optimum maneuverability, even in tight spaces

Powerful, automotive driving

- Robust undercarriage with a strong yet quiet travel drive
- Can pull trailers weighing up to 20 t
- Maximum drive comfort with parking brake and automatic brake release
- Driver assist systems to automatically detect and switch direction of travel and direction of steering
- Eight tires provide maximum stability





Pick & Carry machine
with low operating weight



lower fuel consumption
with higher handling performance



COST SAVINGS

Perfect overview

- Rigid cab elevation to 1.0 m or 1.5 m (optional)
- Cameras on the right side and the rear

Maximum safety





- Robust all-round protective grating on the cab
- Safe access to the operator cab and uppercarriage thanks to stable grip handles and non-slip surfaces
- Sliding door for comfort and safety
- Stable railings on uppercarriage

Green Efficiency

- Complies with Emission Standard Stage V, clean exhaust technology with DEF
- Efficient thanks to EcoMode, automatic idle and stop

**GREEN
EFFICIENCY**



Work	Idle		Stop
			
1800 ECO min ⁻¹	1400 min ⁻¹	800 min ⁻¹	0 min ⁻¹
0 s	5 s	8 s	5 min



The premium cab.



Equipment features

- optimal indoor climate with automatic climate control, partly tinted windows
- comfortable even temperature distribution via 9 air vents
- air-suspension comfort seat, seat heater
- Safe access via sliding door
- Ergonomically arranged operating controls
- 12 V, 24 V, and USB charging sockets, cellphone holder, document folder
- Numerous options: electric cooling box behind the operator seat, slip covers, seat climate control
- Non-slip steps for safe access to the machine
- Robust all-round protective grating as standard
- Panoramic view
- Comfortable working environment thanks to low noise emissions

SENNEBOGEN-Joysticks

- Ergonomic joystick and consoles that move with the seat
- Comfortable grip thanks to ergonomic design
- Direct, sensitive control of all functions
- Quicker access thanks to optimized design of buttons and switches



723E Maintenance and service made easy.



Optimized for maintenance

- Quick and easy diagnosis thanks to straightforward and clearly labeled electrical distributor
- Easy access to all the machine's service points
- Automatic central lubrication for equipment and slewing ring



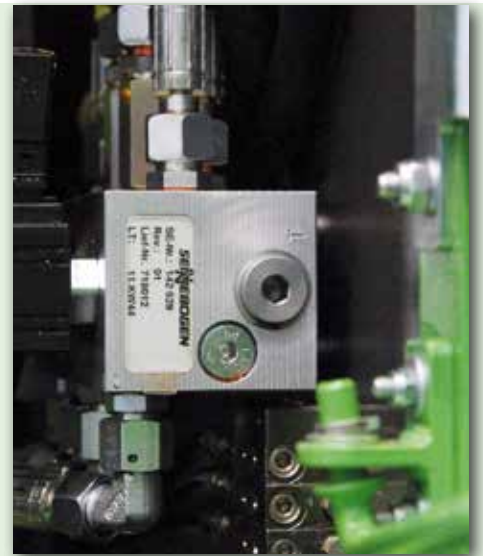
SENNEBOGEN Hydro Clean*

- Optimal protection of hydraulic components thanks to 3 μm micro-filter
- Cleaner hydraulic oil, extended oil service life



Central measuring points

- Easily accessible
- Quick inspection of the entire hydraulic system



Clear labeling

- All parts labeled with a unique part number
- Easy and reliable spare parts ordering

* optional

723E Technical data, features

MACHINE TYPE

Model (type) **723**

ENGINE

Power	<p>Stage V: Rated power: 123 kW at 2200 rpm max. Power: 126 kW at 2000 rpm</p> <p>Stage IIIa: Rated power: 119 kW at 2200 rpm max. Power: 123 kW at 2000 rpm</p>
Model	<p>Cummins 4.5 (Stage V) Cummins QSB 4.5 (Stage IIIa) Direct injection, turbo charged, charge air cooler, reduced emissions, ECO mode, idle automation, stop automation, fuel preheating</p>
Cooling	3-circuit cooling system with high cooling output, thermostatically regulated fan drive for oil cooler and water cooler, fan reversal for cleaning
Air filter	Dry air filter with cyclone pre-cleaner, safety element, contamination indicator
Fuel tank	300 l
DEF tank	30 l
Electr. system	24 V
Batteries	2 x 155 Ah , battery disconnect switch
Options	<ul style="list-style-type: none"> ■ Engine block preheating for temperatures below -20°C ■ Diesel refueling pump ■ Jump-start terminals for batteries

UPPERCARRIAGE

Design	<p>Torsion-resistant box design, precision crafted, steel bushings for boom mountings</p> <p>Very service-friendly design, engine installed in the longitudinal direction</p>
Central lubrication	Automatic central lubrication for equipment and slewing ring
Electrical system	central electrical distributor, battery disconnect switch
Safety	Cameras on the right side and rear, emergency control of the main functions
Options	<ul style="list-style-type: none"> ■ Swing bearing brake via foot pedal ■ Uppercarriage railings ■ LED lighting package ■ Fire extinguisher

Options	<ul style="list-style-type: none"> ■ Electric hydraulic tank preheating for temperatures below -20 °C ■ Low temperature package ■ Welded ram protection on the side of the uppercarriage and front right ■ SENtrack DS telematic system
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HYDRAULIC SYSTEM


Load-sensing / LUDV hydraulic system for work and travel systems	
Pump type	Swash plate-type variable-displacement piston pump, load pressure-independent flow distribution for simultaneous, independent control of work functions
Pump control	Zero-stroke control, on-demand flow control – the pumps only pump as much oil as will actually be used, pressure purging, load limit control
Operating pressure	up to 350 bar
Filtration	High-performance filtration with long change interval
Hydraulic tank	260 l
Flow rate	280 l/min
Control system	Proportional, precision hydraulic actuation of work movements, 2 hydraulic servo joysticks for the work functions, additional functions via switches and foot pedals
Safety	Hydraulic circuits with safety valves ensure emergency lowering of the equipment if the engine stops
Options	<ul style="list-style-type: none"> ■ 3 µm hydraulic micro-filter system SENNEBOGEN HydroClean ■ Bio-oil – environmentally friendly


ROTARY DRIVE

Gearbox	Planetary gears with axial piston engine, integrated brake valves
Parking brake	Spring-loaded, hydraulically ventilated multi-disk safety brake
Slewing ring	Large-scale slewing ring
Slewing speed	0-8 rpm, stepless

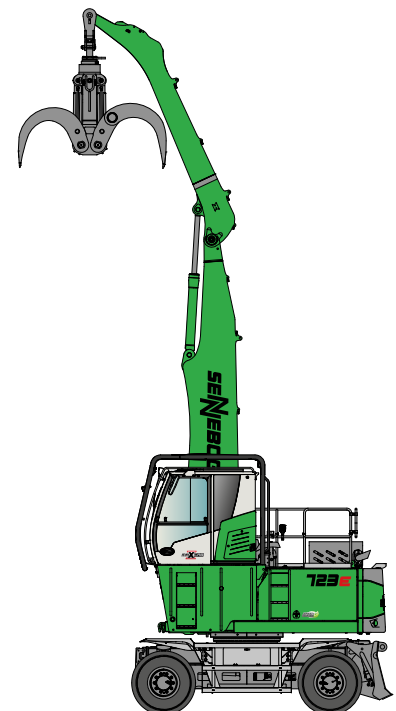
723E Technical data, features

 CAB 	
Cab type	Maxcab, rigid 1 m cab elevation
Cab equipment	Sliding door incl. sliding window, vibration damped, tinted safety glass, opening windshield, skylight, windshield wipers, radio preparation, air-suspension comfort seat, joystick steering, SENNEBOGEN control & diagnostic system SENCON
Cab protection	Strong all-round protective grating on the cab
Options	<ul style="list-style-type: none"> ■ Auxiliary heating system with timer ■ Steering wheel control with adjustable steering console ■ Sliding window in operator door ■ Bullet proof windshield ■ Bullet proof skylight ■ Sunblind for skylight and windshield ■ Radio ■ Hydraulically folding rigid cab elevation ■ Active seat climate control ■ Rigid 1.5 m cab elevation ■ Platform next to the cab

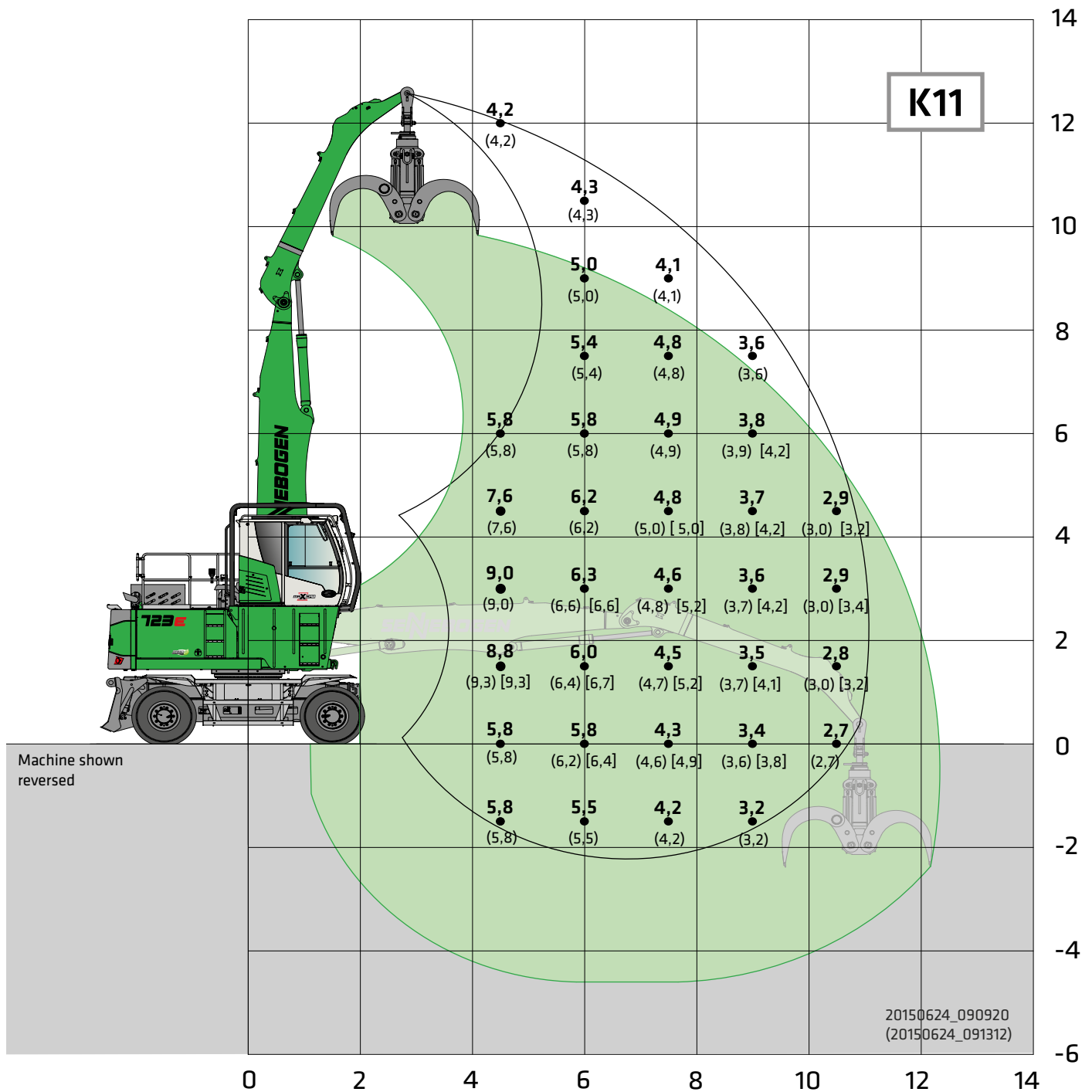
 EQUIPMENT	
Design	Decade-long experience, most advanced computer simulation, the greatest degree of stability and longest service life, large-scale bearing points and precision-crafted sealed low-maintenance special bushings, quick change couplings for grab open/close/rotate
Cylinders	Hydraulic cylinders with high-quality sealing and guide elements, end position damping, sealed mounting points, Pipe fracture safety valves for lift and stick cylinders
Central lubrication	Automatic central lubrication system
Options	<ul style="list-style-type: none"> ■ Ball valves on the hydraulic lines

 UNDERCARRIAGE	
Design	Strong box design mobile undercarriage, type MF33E
Drive	All-wheel drive powered by a direct-mounted variable-displacement hydraulic engine, automatically actuated brake valve and 2 stage powershift transmission. Strong planetary axles with integrated steering cylinder, 2-circuit multi-disk service brake. Travel drive protection, automatic central lubrication, switching of steering and driving directions
Parking brake	Spring-loaded multi-disk brake
Tires	12.00-20 , 8x
Speed	0-5.5 km/h Stage I, 0-20 km/h Stage II
Options	<ul style="list-style-type: none"> ■ Dozer blade to the rear ■ Set-up for trailer coupling ■ Fenders

 OPERATING WEIGHT	
Mass	<p>approx. 27,000 kg</p> <p>Basic 723 E machine with sliding door incl. 1.25m² grab</p>
Note	The operating weight varies with equipment.



723E Load ratings

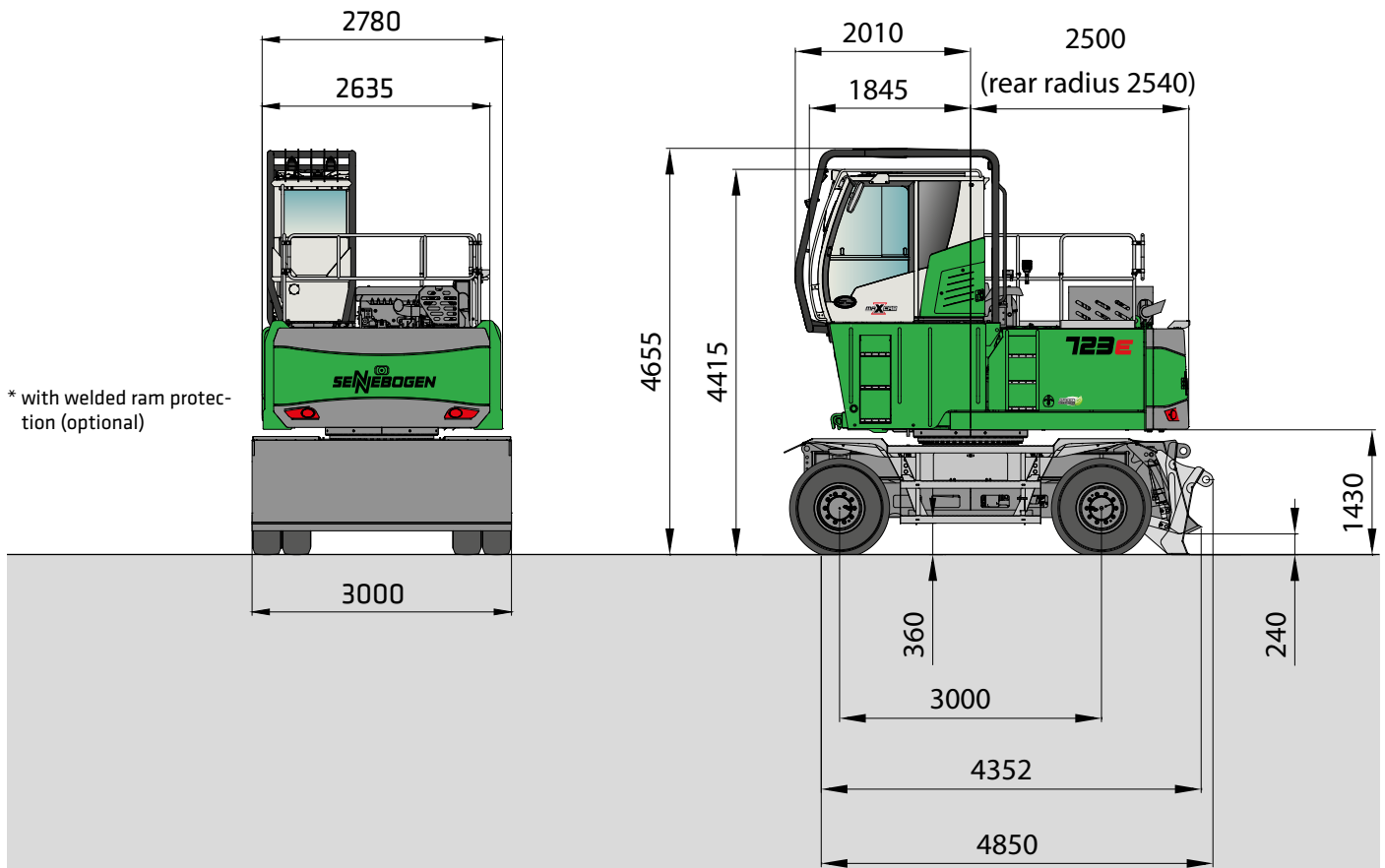


Undercarriage MF33 Compact Boom 6.3 m Cab Maxcab, 1 m rigid elevation
Grab stick 4.6 m

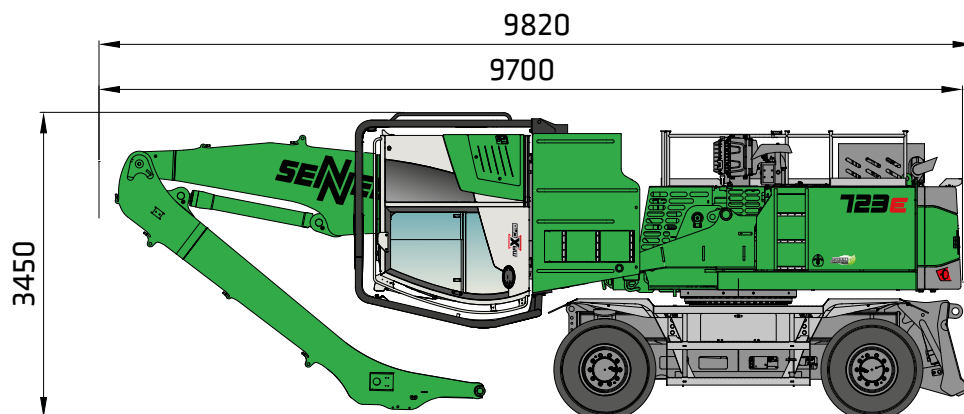
All load ratings are given in tons (t) brought to bear at the end of the stick without tools on stable, firm and level ground. Working tools such as grabs, load hooks etc. are included in the specified load ratings. The values given are valid for stationary use with a work area of 360°, on wheels, without support and with blocked pendulum axles. The values in brackets [] are valid for stationary use with an uppercarriage as long as the undercarriage, on wheels, without support and with blocked pendulum axles. In line with ISO 10567, they amount to 75% of the static tipping load or 87% of the hydraulic lifting force. The values in brackets () are valid for driving mode with an uppercarriage as long as the undercarriage, on wheels, with active pendulum axles. In line with DIN EN 474-5, they amount to 60% of the static tipping load. If the machine is being used in stationary mode for lifting applications, as per DIN EN 474-5, it must be fitted with pipe fracture safety devices on the boom lifting cylinders and an overload warning device.

723E Dimensions

Transport width 3,000 mm

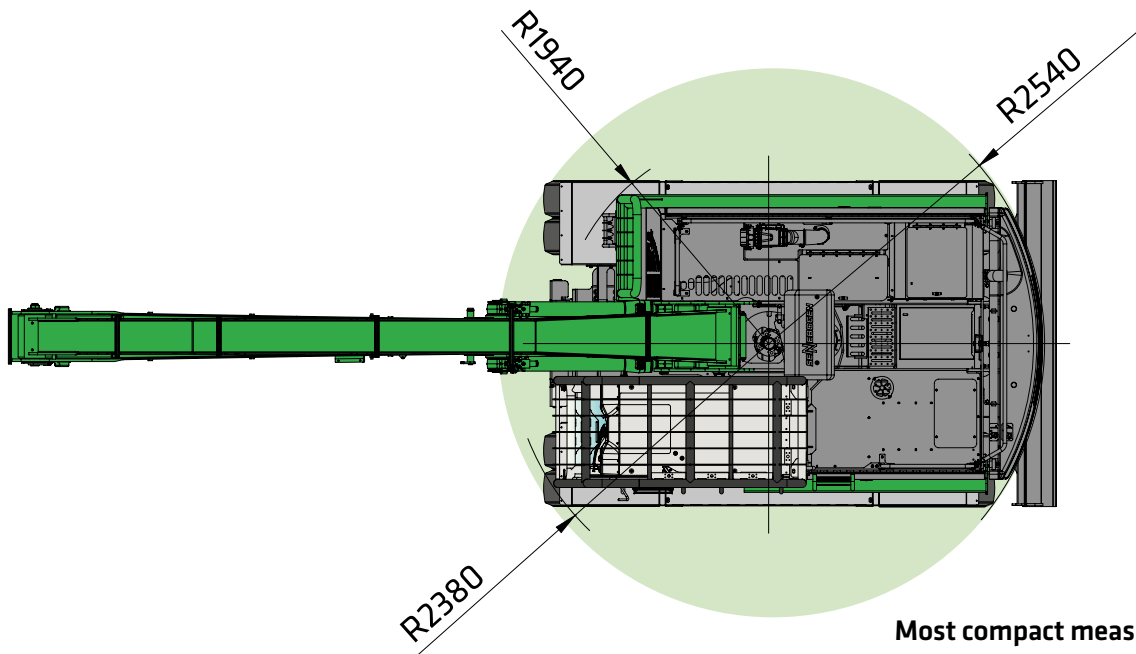


723 MHD with 1 m rigid forward folding cab, undercarriage type MF33



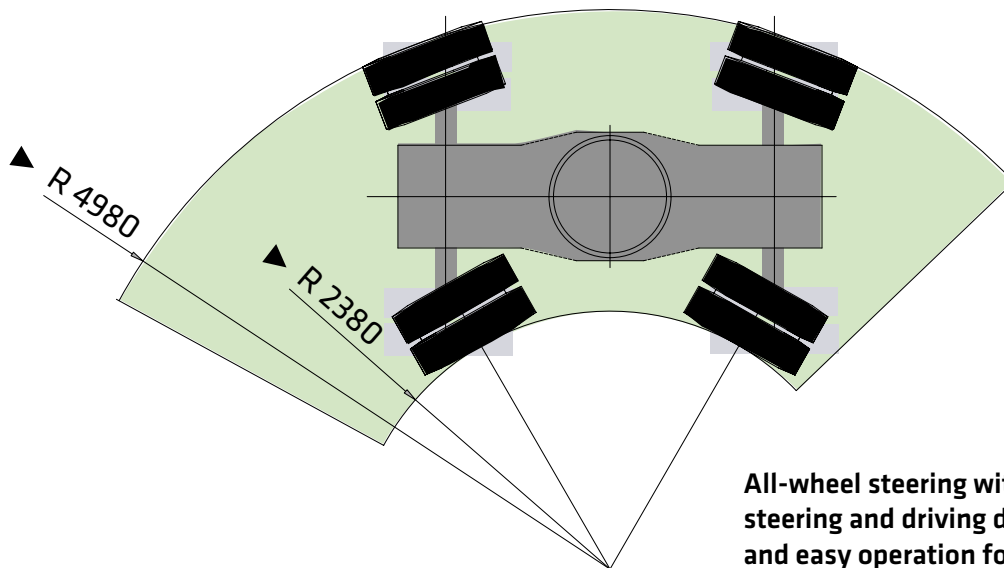
723 MHD transport dimensions

723E Dimensions



723 MHD slewing radius

Most compact measurements for more storage space, less vehicle space needed! Compact uppercarriage dimensions for use in narrow spaces. Space-saving, optimum agility and safety!



723 MHD turning radius

All-wheel steering with switching steering and driving directions – safe and easy operation for maximum efficiency!

723E

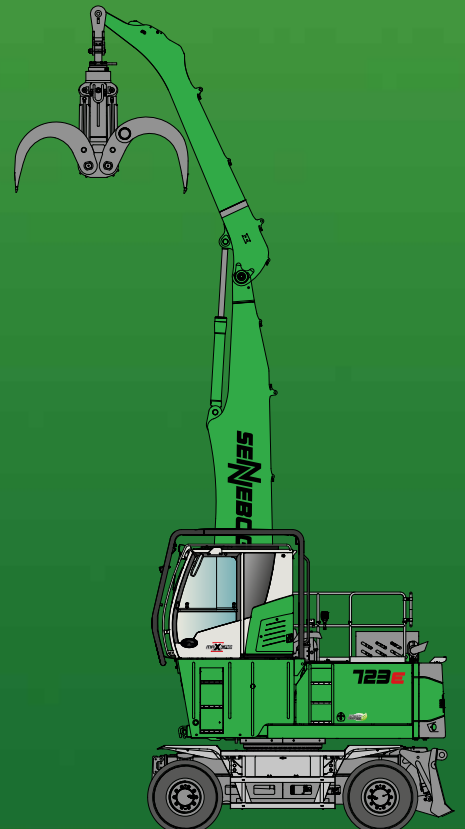


723E





723E



This catalog describes machine models, scope of equipment of individual models, and configuration options (standard equipment and optional equipment) of the machines delivered by SENNEBOGEN Maschinenfabrik GmbH. Machine illustrations may contain optional and supplementary equipment. Actual equipment may vary depending on the country to which the machines are delivered, especially in regard to standard and optional equipment and tolerances.

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