

# TECHNICAL DATA MHL 250



85 kW



14,0 - 15,5 t



up to 9,0 m

**WORKS FOR YOU.™**



# TECHNICAL DATA

## OPERATING WEIGHT WITHOUT ATTACHMENTS

MHL250 E	14.0 t–15.5 t
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## DIESEL ENGINE

<b>Manufacturer and model</b>	Deutz TCD3.6 L4 with DPF
<b>Configuration</b>	4 cylinder
<b>Type</b>	4 stroke, common rail injection
<b>Engine output power</b>	85 kW (116 HP)
<b>Nominal speed</b>	2.000 rpm
<b>Displacement</b>	3.600 cm <sup>3</sup>
<b>Cooling System</b>	Water cooled
<b>Emission standard</b>	COM III B/ EPA Tier IV interim
<b>Usable Tank capacity</b>	240 l
<b>Air filter design</b>	Two-stage filter with safety cartridge and pre-separator with discharge valve

## ELECTRICAL SYSTEM

<b>Alternator</b>	14 V / 95 Ah
<b>Starter</b>	12 V / 3.1 kW
<b>Operating voltage</b>	12 V
<b>Battery</b>	12 V / 135 Ah

## TRANSMISSION

Hydrostatic travel drive with automatic adjustment of drawbar pull and speed. 4-wheel drive from reduction gear to front axle via cardan shaft to rear axle. Infinitely variable speed control forward and reverse

<b>Maximum speed mode 1</b>	6 kph
<b>Maximum speed mode 2</b>	20 kph
<b>Turning radius</b>	7.0 m

## SWING DRIVE

Hydrostatic drive with 2-stage planetary gear and axial piston fixed displacement motor also acts as wear-resistant brake. In addition automatically controlled spring-loaded multi-disc brake acting as parking brake

<b>Swing speed</b>	0–10 rpm
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## UNDERCARRIAGE

<b>Front axle</b>	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 30°
<b>Rear axle</b>	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
<b>Stabilizer versions</b>	4 point stabilizers or 2 point stabilizers with stabilizing blade
<b>Tires</b>	Pneumatic tires 10.00-20 Solid rubber tires 10.00-20 (as option)
<b>Service brake</b>	Hydraulic single-circuit braking system acting on all wheel pairs (drum brakes)

## HYDRAULIC SYSTEM

<b>Travel hydraulics</b>	Closed circuit independent from working hydraulics
<b>Pump capacity max.</b>	180 l/min
<b>Working pressure max.</b>	420 bar
<b>Working hydraulics:</b>	Axial piston variable displacement pump with load sensing. Coupled with a load independent flow distribution. Simultaneous independent control of all movements. Sensitive manoeuvres irrespective of loads.
<b>Pump capacity max.</b>	190 l/min
<b>Working pressure max.</b>	330 bar
The thermostatically controlled oil circuit ensures that the oil temperature is promptly reached and avoids overheating. Return filter installed in oil tank allows eco-friendly replacement of filter elements.	
Double gear pump for all positioning and swing movements. Pressure cut-off valve for sensitive and energy saving movements.	
<b>Pump capacity max.</b>	76 + 38 l/min
<b>Working pressure max.</b>	230 bar
<b>Hydraulic system</b>	190 l

## CABIN

Spacious, sound-insulated full vision steel cab (ROPS certified). Sliding window in cab door. Safety glass window. Thermo windows tinted in green. Skylight thermo window bronze tinted. Panoramic rear window. Front window supported by pneumatic springs. Lockable for ventilation and slidable under cab roof. Windshield washer system. Storage Compartment. Preparation for radio installation. Left hand outside rear-view mirror.

Cab heating with front window defroster by coolant heat exchanger with 3-stage fan. Fresh air and recirculating air filters.

Operator's seat MSG 85 (comfort version). Hydraulic damping. Extra high brackets. Tilt adjustable armrests. Longitudinal-horizontal suspension. Mechanical lumbar support. Lap belt.

Instrument panel on the right hand side of the operator's seat with visual warning device. Hour meter and safety module.

Working flood lights H3

Sound level values in compliance with EC directives



# EQUIPMENT

## ENGINE

	STANDARD	OPTIONAL
Diesel particulate filter	●	
Exhaust gas turbocharger	●	
Intercooling	●	
Common rail injection	●	
Interface for engine diagnostics	●	
System-controlled fan drive	●	

## UNDERCARRIAGE

4 point stabilizers		●
2 point stabilizers and stabilizing blade		●
All wheel drive	●	
Piston rod protection for stabilizer cylinders	●	
Protection kit for dozer blade cylinders		●
Protection kit for transmission shaft		●
Rear axle oscillating lock	●	
Drum brake	●	
Pneumatic tires 10.00-20	●	
Solid rubber tires 10.00-20		●
Tool box on undercarriage		●
Central grease nipple		●

## UPPER CARRIAGE

Central grease nipple	●	
Automatic lubrication system		●
Reversible fan for radiator and hydraulic oil cooler	●	
Cyclone prefilter		●
Separated cooling system (splitted radiator system)		●
Additional suction box		●

## CABIN

Preparation for radio installation	●	
Radio (CD/ USB)		●
FOPS guard		●
Aircondition		●
Elevation system rigid (3 mounting positions, max. eye level 3.7 m)		●
Elevation system hydraulic (max. eye level 5.2m)		●
Joystick steering		●

## LOADING EQUIPMENT

Light packages for loading equipment (H3 or LED)		●
8.5 m multi purpose stick		●
9.0 m straight stick		●

## SAFETY EQUIPMENT

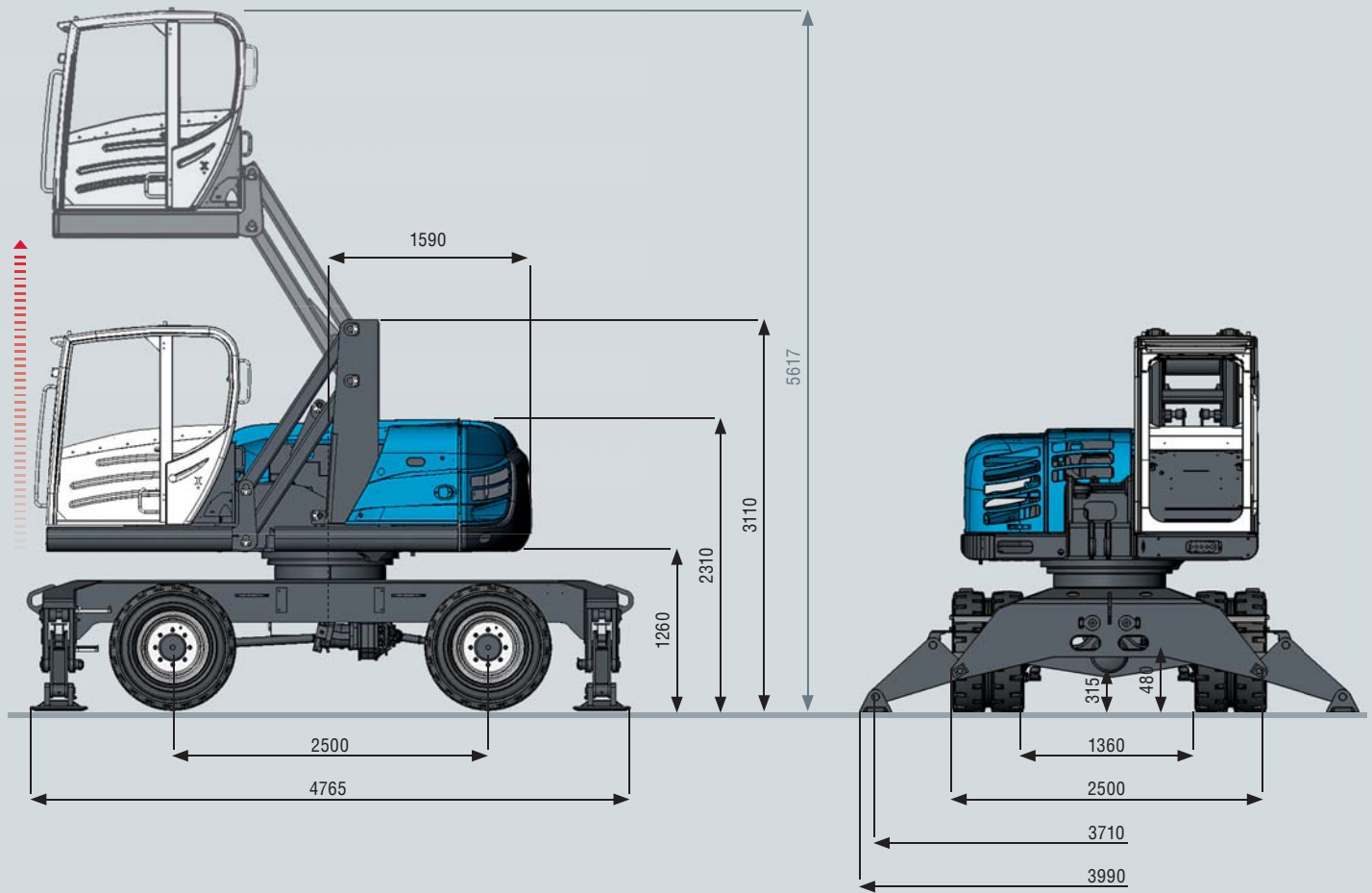
	STANDARD	OPTIONAL
Italy package (dead man trigger, overload shut off device)		●
Overload shut off device		●
Overload warning		●
Travel alarm (optical)		●
Rupture valves for boom and stick cylinder		●
Fire extinguisher		●

More special equipment available on request!

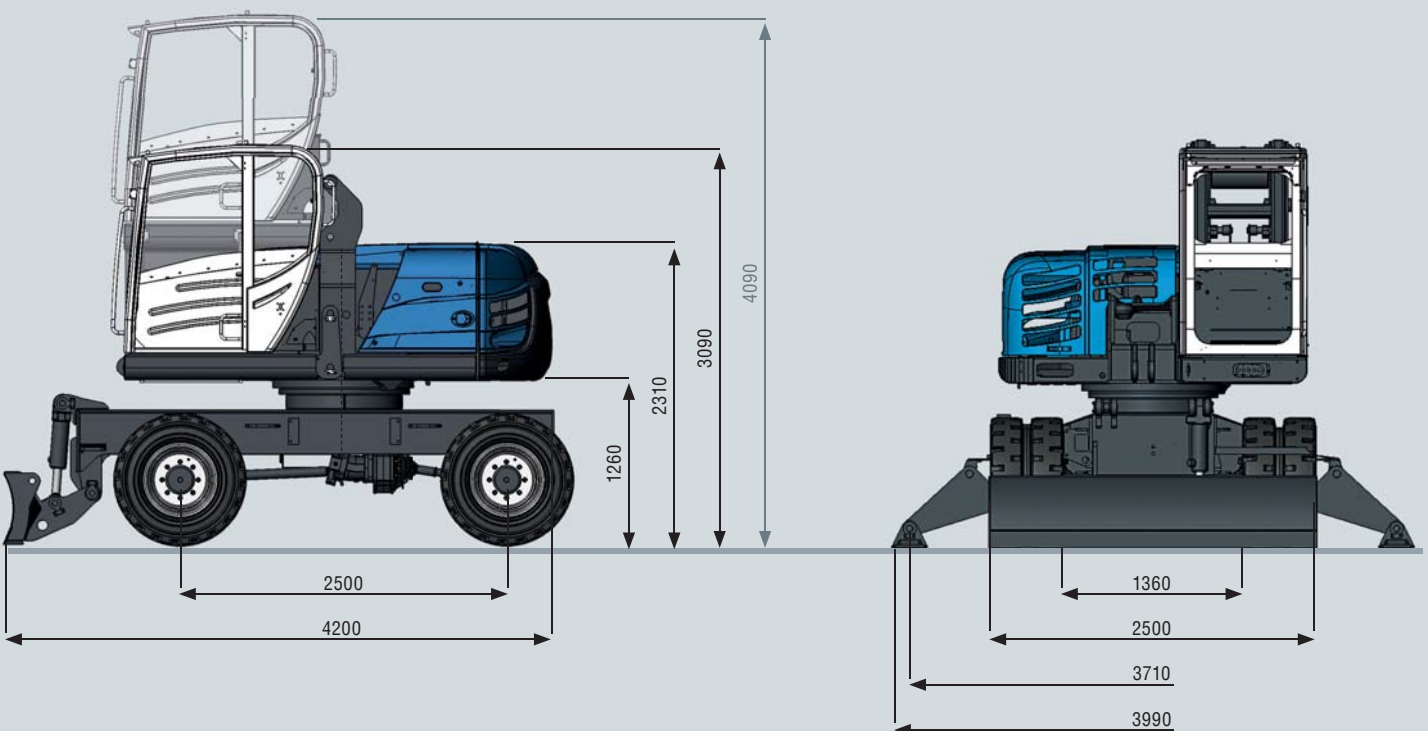


# DIMENSIONS MHL250 E

Elevation cabin; undercarriage equipped with 4-point stabilizers



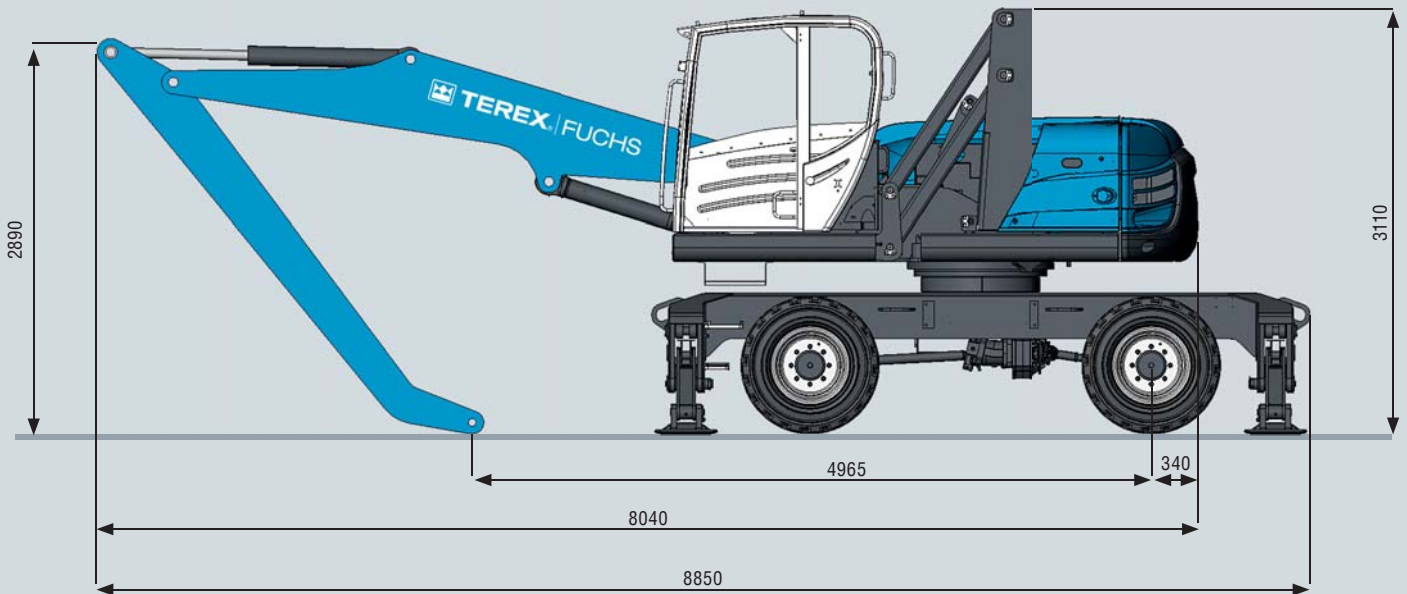
Rigid cabin; undercarriage equipped with stabilizing blade and 2-point stabilizers



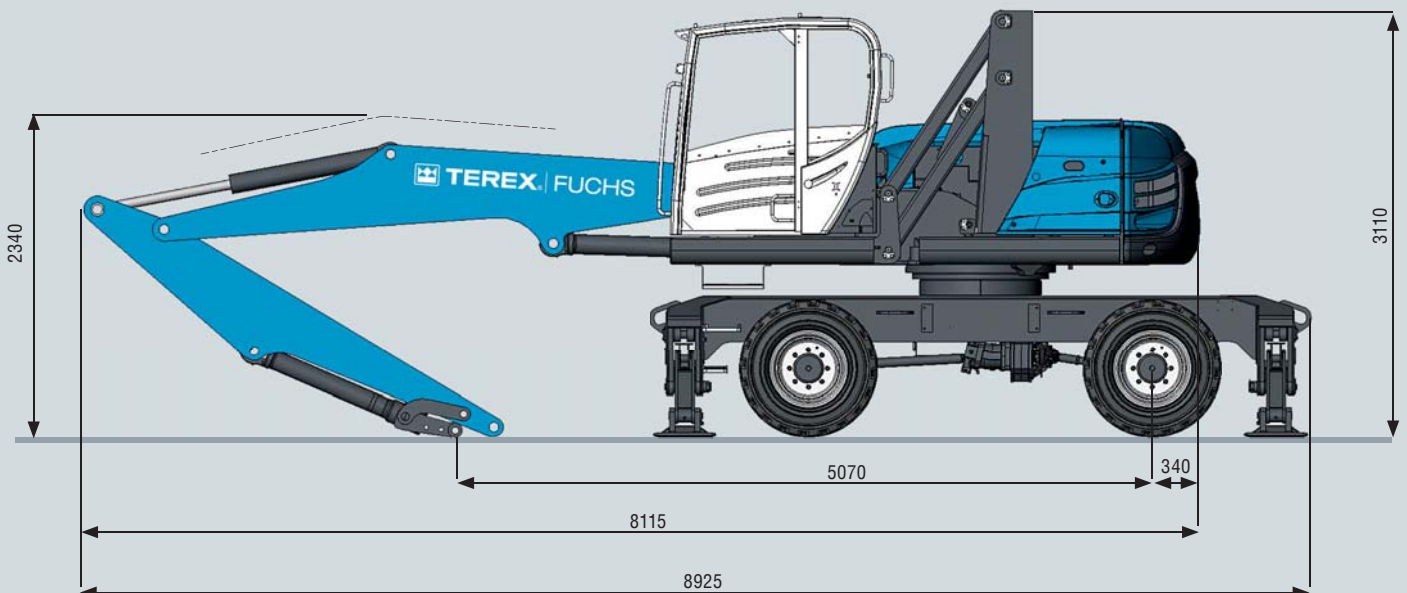


# TRANSPORT DIMENSIONS MHL250 E

Loading equipment 9.0 m and dipperstick: undercarriage equipped with 4-point stabilizers



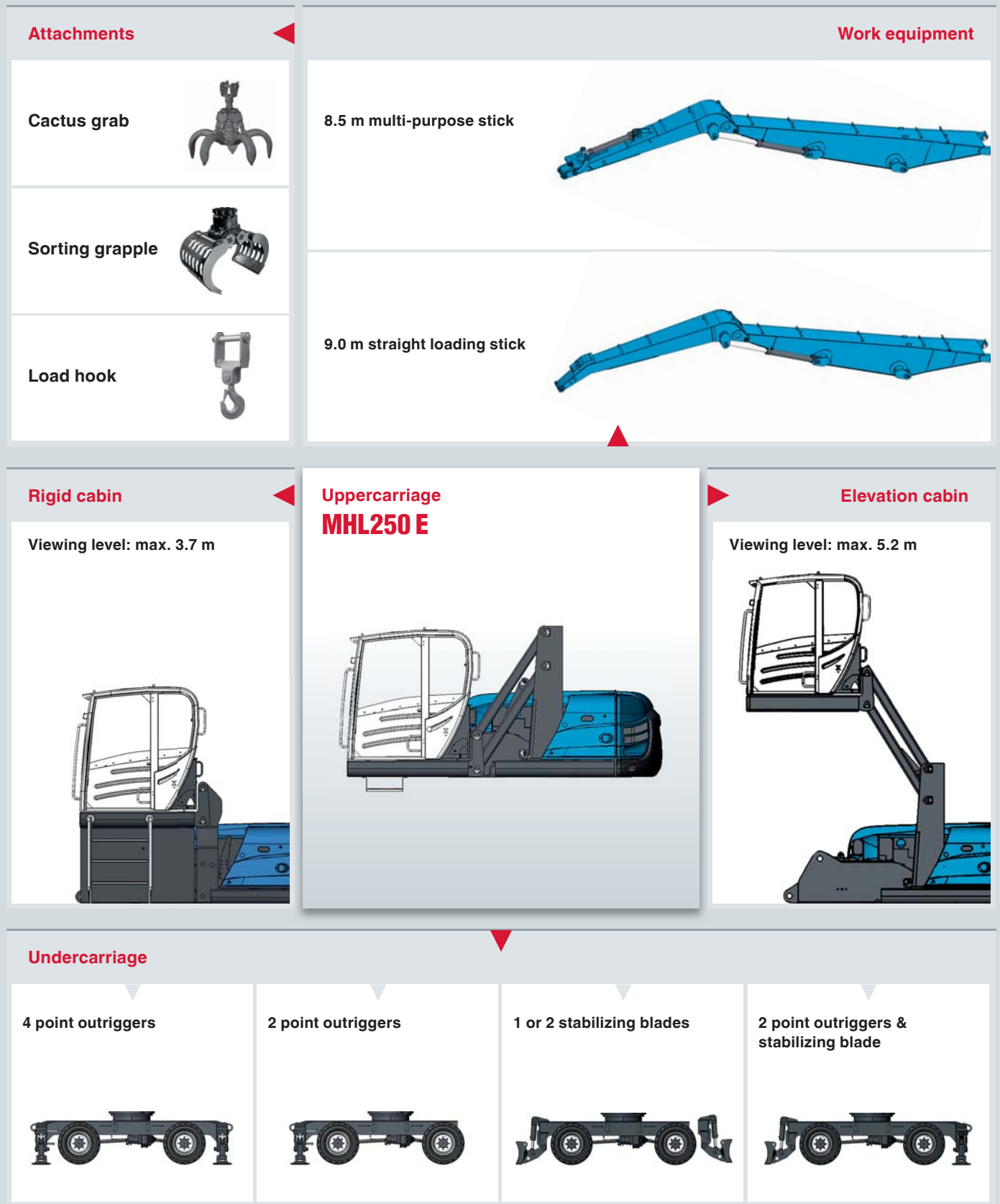
Loading equipment 8.5 m and multi-purpose stick: undercarriage equipped with 4-point stabilizers







# THE MODULAR SYSTEM



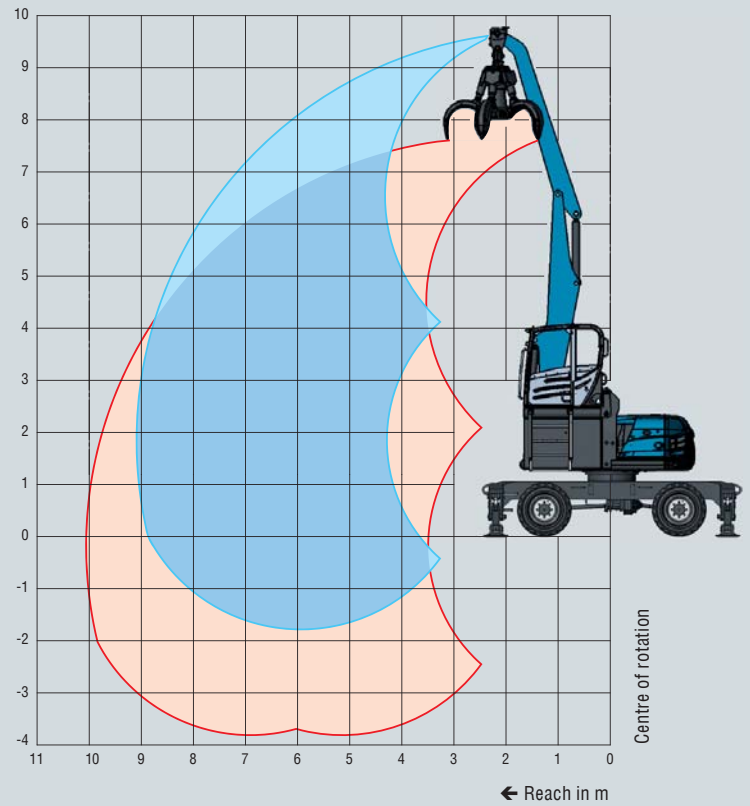


# WORKING RANGES / LOAD CAPACITIES

## 9.0 M REACH WITH DIPPERSTICK

<b>Loading system</b>	Boom 4.7 m Dipperstick 3.3 m Cactus grab 0.4 m³ open
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The lift capacity values are stated in metric tons (t). The pump pressure is 360 bar. In accordance with ISO 10567 the lift capacity values represents 75% of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. The (...) values apply in the longitudinal direction of the undercarriage. The values for "not supported" only apply via the steering axle or the locked oscillating axle. The weights of the attached load hoisting equipment (grab, load hook, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. For object handling application the machine has to be supported on a level ground.



Height [m]	Undercarriage stabilisation	Reach [m]			
		4.5	6	7.5	9
9	Without stabilizers	(3.2°)			
	With 4-pt stabilizers	3.2° (3.2°)			
7.5	Without stabilizers	(2.6°)	(2.4)		
	With 4-pt stabilizers	2.6° (2.6°)	2.5° (2.5°)		
6	Without stabilizers	(2.4°)	(2.4°)	(1.6)	
	With 4-pt stabilizers	2.4° (2.4°)	2.4° (2.4°)	2.3° (2.3°)	
4.5	Without stabilizers	(2.3°)	(2.4)	(1.6)	
	With 4-pt stabilizers	2.3° (2.3°)	2.6° (2.6°)	2.3° (2.3°)	
3	Without stabilizers	(3.5)	(2.2)	(1.6)	
	With 4-pt stabilizers	3.9° (3.9°)	3.0° (3.0°)	2.5° (2.5°)	
1.5	Without stabilizers	(3.2)	(2.1)	(1.5)	(1.1)
	With 4-pt stabilizers	5.0° (5.0°)	3.4° (3.4°)	2.6° (2.6°)	2.1° (2.1°)
0	Without stabilizers	(3.0)	(2.0)	(1.5)	
	With 4-pt stabilizers	5.4° (5.4°)	3.6° (3.6°)	2.7° (2.7°)	
-1.5	Without stabilizers		(2.0)		
	With 4-pt stabilizers		3.5° (3.5°)		

## The new “MHL2” series – revolutionary for the recycling industry. Greater mobility and flexibility in material handling.

If you want to know what the future holds for material handling within the recycling industry, then look no further than the new MHL2 series from Terex-Fuchs.

This is the company’s uncompromising response to the ever increasing demands made by recycling operators. Instead of refitting existing machine designs, Terex-Fuchs specifically designed the MHL2 to meet the challenges and conditions that exist in the recycling sector. The result: A newly created series that offers even more opportunities. The MHL250 will be the first model of the new series to hit the market. In spite of its compact design, the MHL250 offers operators an excellent viewing level, unique for machines of this class. Three different heights of cab position are available in the standard version. As an option, the cab can even be raised hydraulically to a viewing level of 5.20 m! This gives operators an unrivalled view into containers and onto walking floors.

In order to accommodate the typically diverse conditions in the recycling sector, Terex-Fuchs has extended its new modular design system to include the MHL250. Starting with the standard superstructure, the loading system and undercarriage can be combined or extended as required. For the undercarriage, the following configurations are available: with support shield only, with two support shields and with 2-point or 4-point supports. This enables the MHL250 to adapt to individual

requirements on site both reliably and precisely.

The tyres, specifically tailored to the MHL250, feature exceptionally stable side walls for additional stability – even when operating without static supports. As a result, this machine is highly manoeuvrable and flexible in its application, even though its long reach means that it seldom needs to be moved.

The optional cooling system with two physically separated radiators is entirely new to this class of machine. This exceptional high performance system keeps the operating temperature of the MHL250 at an ideal level – a particularly important feature in recycling sheds with high dust loads. The radiators are designed for easy maintenance and are quick and safe to clean. The diesel particle filter (DPF) fitted as standard is state of the art and ensures a significantly improved working environment, which benefits both on-site personnel as well as the environment. Low fuel consumption and long service intervals mean running costs are kept to affordable levels. These technical benefits, together with an attractive price, make the MHL250 a top material handler for recycling, with an outstanding price / performance ratio.

[www.terex-fuchs.com](http://www.terex-fuchs.com)

Effective starting: April 2014. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator’s Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator’s Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2014 Terex Corporation.

