MHL 340

[preliminary]

THE NEW GENERATION

129 kW (Diesel, EU Stage V)
110 kW (Electric)

29,3 - 32 t

max. 14 m

FUCHS®
A TEREX BRAND

YOUR MACHINE.
YOUR RULES.

A NEW LEVEL OF OPERATOR COMFORT

Thanks to individually adjustable operator settings, the machine can be perfectly customized to personal preferences. From control sensitivity to speed – everything can be fine-tuned precisely. At the same time, the smooth and well-balanced control ensures better handling and an even more pleasant operator experience in the cab.

TECHNOLOGY THAT SETS NEW STANDARDS.

OPERATOR COMFORT

The new, user-optimized operating display and the customizable joysticks revolutionize machine operation and ease of use.
The new lighting concept includes redesigned front and rear lights and features a follow-me-home function* for safe and convenient parking and exiting of the machine.

NEW CAMERA TECHNOLOGY

The new camera system provides optimal visibility and enhanced safety. Standard HD cameras offer a clear all-around view, while optional AI cameras with person detection further improve workplace safety.

CLOSED SWING CIRCUIT

The dedicated hydraulic pump in the closed swing circuit prioritizes maximum flow to the swing mechanism - ensuring fast rotation dynamics and high fuel efficiency.

EFFICIENT DRIVE

The machine stands out with best-in-class fuel efficiency and HVO approval, enabling an eco-friendly, cost-effective, and powerful operation. It is also available with an electric drive* - a flexible, sustainable solution for various applications.

TOOL CONTROL

The optional Tool Control enables quick and easy interchange of various attachments. Different tools can be configured and saved in the system via the display, with customizable flow rates and pressure settings for future use.

INCREASED LOAD CAPACITY

The machine now achieves even higher load capacities, making it more efficient and versatile in demanding applications.

EASY ACCESS

Thanks to the generously sized service platform and even more maintenance-friendly access to all relevant components, daily inspections and maintenance tasks are significantly easier - ensuring maximum safety and comfort in everyday operations. Additionally, the optional engine compartment lighting provides a clear view of all key components.

* Implementation is expected after the start of production.

MAXIMUM USABILITY. SEAMLESS OPERATION.

NEW OPERATING DISPLAY

The completely redesigned display sets new standards in user-friendliness and functionality. A clear user interface and intuitive workflows make operating the machine more efficient and convenient.

The integrated live view of the work area allows to monitor the machine‘s current activity on the screen in real time. This keeps the entire work process in sight at all times - for more control and safety.

The optional virtual wall makes it possible to set height and reach limits intuitively via the display. This improves safety and precision, especially in sensitive working environments. *

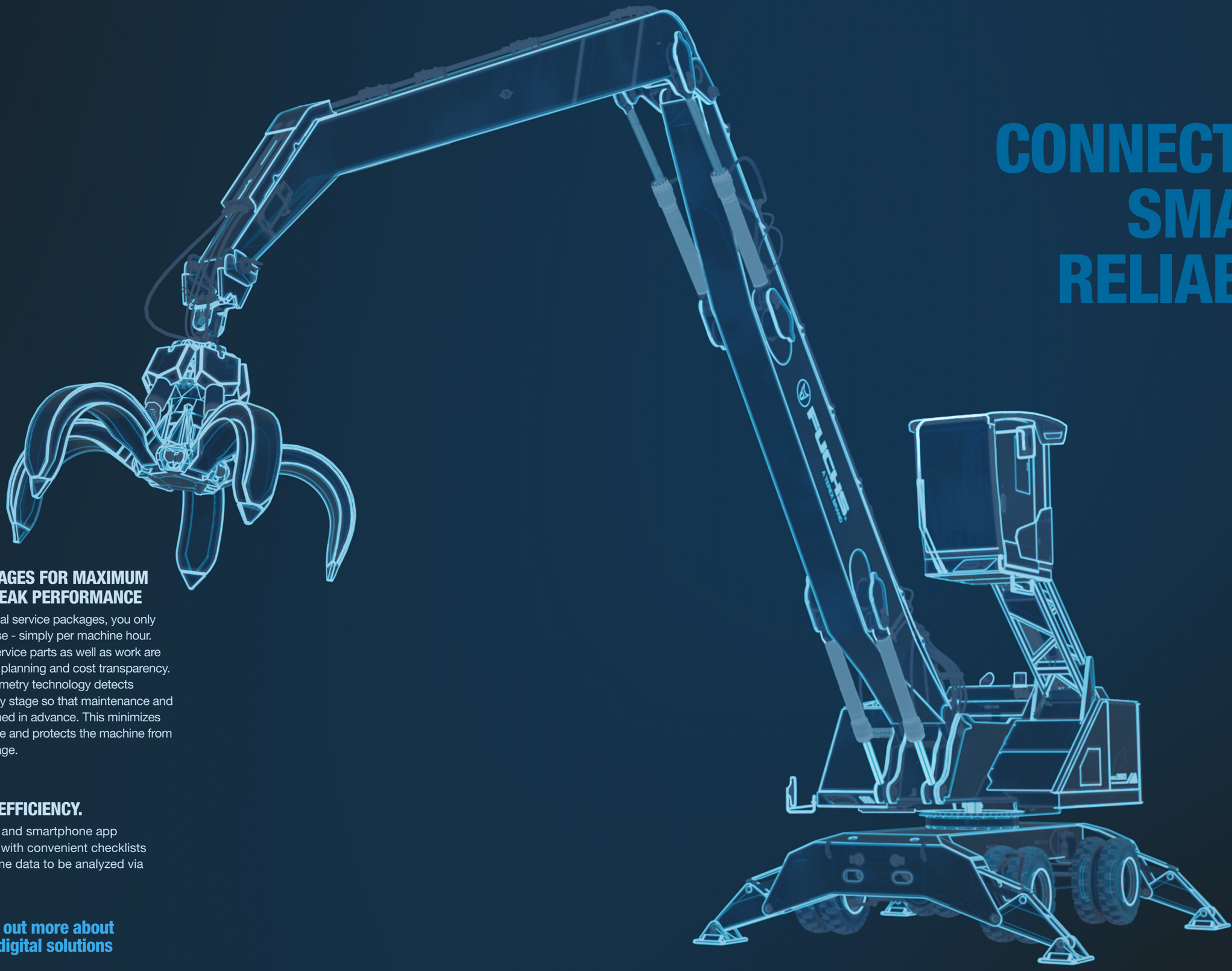
Additional support is also provided by the scannable QR codes, which provide mobile assistance at any time. Practical instructions and useful tips can be downloaded directly to any smartphone - quickly, easily and on the move. *

*Implementation is expected after the start of production and will also be available through an update for G-series machines that have already been delivered.

MORE COMFORT.
MORE CONTROL.

There are three different joystick options to choose from, which can be perfectly tailored to individual preferences.

Optionally, the button configuration of the joysticks can be quickly and easily customized via the display. This ensures optimum control and maximum comfort.



CONNECTED. SMART. RELIABLE.

SERVICE PACKAGES FOR MAXIMUM UPTIME AND PEAK PERFORMANCE

With the new optional service packages, you only pay for the actual use - simply per machine hour. Maintenance and service parts as well as work are included, leading to planning and cost transparency. State-of-the-art telemetry technology detects anomalies at an early stage so that maintenance and repairs can be planned in advance. This minimizes unplanned downtime and protects the machine from consequential damage.

MORE POWER, MEASURABLE EFFICIENCY.

The upgraded web and smartphone app makes work easier with convenient checklists and enables machine data to be analyzed via telemetry.

Find out more about our digital solutions

TECHNICAL DATA

OPERATING WEIGHT WITHOUT ATTACHMENTS

MHL340 G	29,3-32t

DIESEL ENGINE

	EU STAGE V / U.S. TIER 4
Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder in-line engine
Functionality	4-stroke diesel, common rail direct injection, turbocharged with intercooler, controlled exhaust gas recirculation, diesel particulate filter with continuous regeneration and SCR catalytic converter
Engine power	129 kW
Rated speed	1800 rpm
Displacement	6,1 l
Cooling system	Water and charge air cooling with temperature controlled fan speed
Exhaust emission standard	EU Stage V / U.S. Tier 4
Fuel tank	406 l Diesel
DEF / Urea tank	32 l Ad Blue

ELECTRIC MOTOR

Power	110 kW
Total connected load	143 kW
Motor start	Via soft start
Optional cable reel	Up to 50 meters (other lengths on request)

ELECTRICAL SYSTEM

Alternator	28 V / 100 A
Operating voltage	24 V
Battery	2 × 12 V / 110 Ah / 750 A (nach EN)
Lighting system	2 × LED floodlights at the front of the machine, rear parking lights and indicator lights
Optional equipment	13 kW or 17 kW DC generator with insulation monitoring

TRAVEL DRIVE

	Hydrostatic drive through infinitely variable axial piston motor and directly mounted travel brake valves, 2-shift gearbox, all-wheel drive
Travel speed 1st Gear	max. 5 km/h
Travel speed 2st Gear	max. 18 km/h
Turning radius	8,6 m

SLEWING DRIVE

Slewing ring	Internally toothed, double-row ball bearing slewing ring
Drive	Axial piston motor in closed circuit, 2-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	0–7,5 rpm infinitely variable
Slewing lock	Electrically activated

TECHNICAL DATA

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted
Rear axle	Planetary drive axle with integrated drum brake, oscillating axle with selectable oscillating lock
Outriggers	4-point stabilizers
Tyres	Solid rubber tyres without intermediate rings, 10.00-20

BRAKES

Service brake	Hydraulically operated braking system, acting on all four wheel pairs
Parking brake	Electrically operated disc brake, acting on both axles

HYDRAULIC SYSTEM

Max. flow main pump	1x 515 lpm
Max. operating pressure	320/360 bar
Max. flow swivelling pump	134 lpm. Reversible axial piston variable displacement pump, closed circuit
Hydraulic oil tank	358 l

OPERATOR CAB

Cab	Infinitely variable hydraulic height-adjustable cabin with sliding door. Reinforced steel structure, soundproofed, heat-insulated panoramic windows for best all-round visibility, front window with roller blind, glass panel in the cabin roof with sliding blind. Heating and air conditioning, separate heat exchangers, fresh and recirculated air filters. Multifunction touch display, bottle holder, paper clip and multiple storage and mounting options. Digital radio (DAB+, USB, Bluetooth and hands-free), USB charging station 5V. Vertically adjustable cabin: viewing height of 5,6m
Air conditioning	Automatic air-conditioning. Infinitely variable heating with 8-speed fan, 7 adjustable air nozzles, 3 defroster nozzles.
Operator's seat	Air-cushioned comfort seat with swinging armrests / joysticks, safety belt, lumbar support and headrest. Enables fatigue-free work due to universal adjustment options for the seat position, seat inclination and the arrangement of the seat cushion in relation to the armrests and joysticks.
Monitoring	Ergonomically arranged, glare-free Multifunction on display. Automatic monitoring and storage of deviating operating states (e.g. all hydraulic oil filters, hydraulic oil temperature – coolant and charge air temperature – diesel particulate filter loading, steering), visual and audible warning. Diagnostic option for the individual sensors via the multifunction display. Rear view and side view camera on the right with separate monitor

	EU STAGE V / U.S. TIER 4
Noise level	Sound power level (ambience) **TBD - to be determined** Sound pressure level (inside the cabin) according to standard ISO 6396
Vibrations	Weighted r.m.s. value of acceleration of upper limbs: under 2.5 m/s^2 (98 in/s^2) Weighted effective value of acceleration for the seat and feet: under 0.5 m/s^2 (20 in/s^2)

Certified in accordance with CE regulations

EQUIPMENT

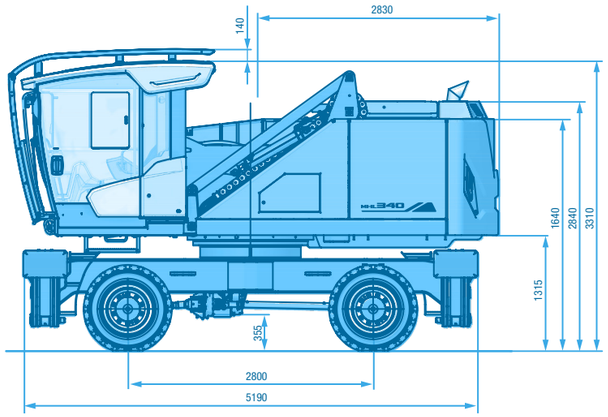
DIESEL ENGINE	Standard	Option
Water and charge air cooler	●	
Direct electronic fuel injection / common rail	●	
DEF injection, passive regeneration	●	
Advanced automatic idle incl. engine shut-off function	●	
Engine preheating		●
Engine diagnostics interface	●	
Temperature-dependent fan drive	●	
Reversible fan	●	
UNDERCARRIAGE		
All-wheel drive	●	
Disk brakes	●	
Rear axle oscillating lock	●	
2-speed powershift transmission		●
4-point stabilizers	●	
Stabilizer cylinder with integrated, double-sided shut-off valves	●	
Piston rod protection for support cylinder	●	
Tool box	●	
Special paint		●
Solid rubber tires 10.00-20 with intermediate rings		●
Solid rubber tires 10.00-20 without intermediate rings	●	
UPPERCARRIAGE		
Spacious service platform	●	
Spatially separated high-performance cooling system for hydraulic, engine and air-conditioning system	●	
Temperature-dependent fan drive	●	
Reversible fan	●	
Automatic central lubrication system	●	
HD rear view camera	●	
HD side view camera	●	
AI camera with person detection		●
Travel alarm		●
Electric refuelling pump		●
Light protection		●
Special paint		●
OPERATOR'S CAB		
Vertically adjustable cabin	●	
Single-pane safety glass (ESG)	●	

EQUIPMENT

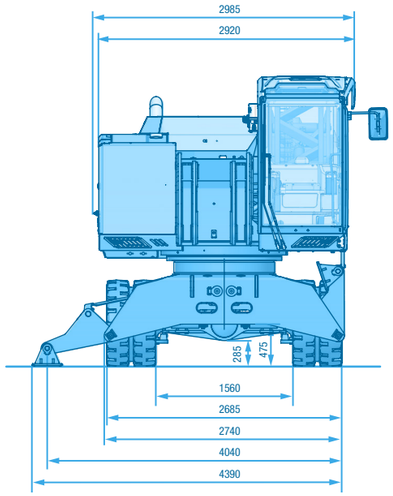
	Standard	Option
Sliding window in cab door	●	
Cabin with penetration resistant glass front and top (classification P5A)		●
Windshield washer system	●	
Washing device for roof window		●
FOPS Guard		●
Cabin front and top guard		●
Air-cushioned operator seat with headrest, seatbelt and lumbar support	●	
Seat heating		●
Joystick steering	●	
Joystick variant 1		●
Joystick variant 2		●
Joystick variant 3		●
Air Conditioner	●	
Auxiliary heating incl. Timer		●
12 „ multifunction display with touch function	●	
Digital radio (DAB+, USB, Bluetooth and hands-free)	●	
Travel alarm with rotating beacon		●
OTHER EQUIPMENT		
13 kW DC generator		●
17 kW DC generator		●
Close proximity range limiter for dipper stick	●	
Coolant and hydraulic oil level monitoring system	●	
Filtration system for attachments		●
Overload and working area control		●
Rupture valves for lifting cylinders	●	
Rupture valves for stick cylinders	●	
Overload warning device		●
Quick coupling on dipper stick	●	
Active cyclone prefilter		●
LED head lights at the front of the machine	●	
LED light packages		●
Tool Control		●
Boom cylinder damping system (piston accumulator)		●
Lubrication of the grab suspension by central lubrication system	●	
Fuchs Connect telematics system, incl. 5 years contract	●	

DIMENSIONS

SIDE VIEW
(All dimensions in mm)

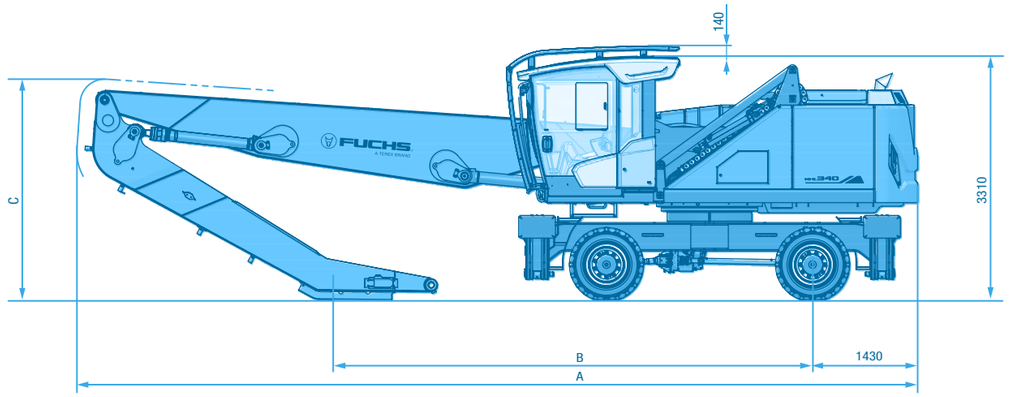


FRONT VIEW
(All dimensions in mm)



TRANSPORT DIMENSIONS

SIDE VIEW
(All dimensions in mm)

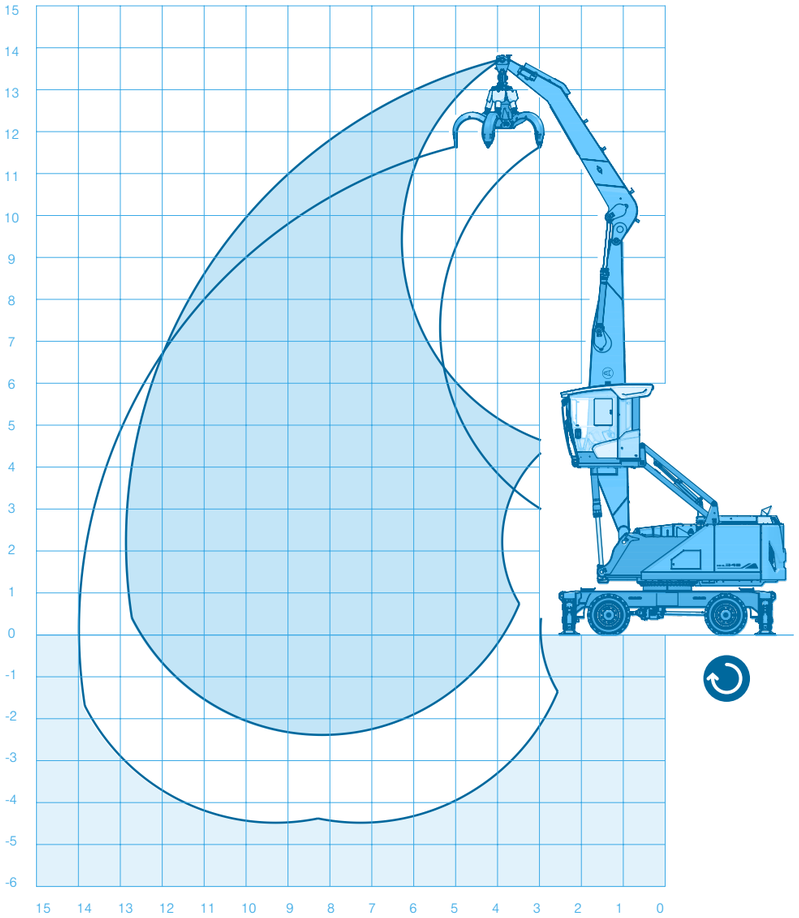


	13 m	14 m	12,5 m*
A	11425 mm	11370 mm	11410 mm
B	6520 mm	5455 mm	6220 mm
C	3045 mm	3195 mm	3045 mm

*Multi-purpose stick

DIMENSIONS
LOADING EQUIPMENT WITH UP TO 13M REACH

BOOM : 7,2 M | DIPPER STICK : 5,1 M | CACTUS GRAB : 0,6 M³ OPEN



m

LIFTING CAPACITY

LOADING EQUIPMENT: BOOM 7,2 M, DIPPER STICK 5,1M

Height m	Outrigger Undercarriage	Reach in m					
		4,5	6	7,5	9	10,5	12
13,5		(5,6°) 5,6° (5,6°)					
12			(6,3°) 6,3° (6,3°)	(4,3°) 4,3° (4,3°)			
10,5				(5,7) 6,3° (6,3°)	(4,1) 4,4° (4,4°)		
9				(5,8) 7,5° 7,5°)	(4,2) 6,2° (6,2°)	(3,1) 3,7° (3,7°)	
7,5			(8,1) 9,1° (9,1°)	(5,6) 8,2° (8,2°)	(4,1) 6,4 (7,1°)	(3,1) 4,9 (5,5°)	
6			(7,8) 10,4° (10,4°)	(5,4) 8,4 (8,6°)	(4,0) 6,2 (7,3°)	(3,1) 4,8 (6,0)	(2,4) 3,7° (3,7°)
4,5		(11,4) 15,7° (15,7°)	(7,2) 11,4° (11,4°)	(5,1) 8,0 (9,0°)	(3,8) 6,0 (7,5°)	(3,0) 4,7 (5,9)	(2,4) 3,8 (4,8)
3		(9,9) 17,4 (17,8°)	(6,5) 10,8 (12,2°)	(4,7) 7,6 (9,4°)	(3,6) 5,8 (7,3)	(2,9) 4,6 (5,8)	(2,3) 3,7 (4,7)
1,5		(5,6°) 5,6° (5,6°)	(6,0) 10,1 (12,5°)	(4,4) 7,3 (9,3)	(3,4) 5,6 (7,1)	(2,7) 4,5 (5,6)	(2,2) 3,7 (4,6)
0		(5,0°) 5,0° (5,0°)	(5,7) 9,8 (11,8°)	(4,2) 7,0 (9,0)	(3,3) 5,4 (6,9)	(2,7) 4,4 (5,5)	(2,2) 3,6 (4,5°)
-1,5			(5,5) 9,6 (10,1°)	(4,1) 6,9 (8,1°)	(3,2) 5,3 (6,4°)	(2,6) 4,3 (5,0°)	
							max. reach 12,9 m
2,2							(2,0) 2,8° (2,8°)

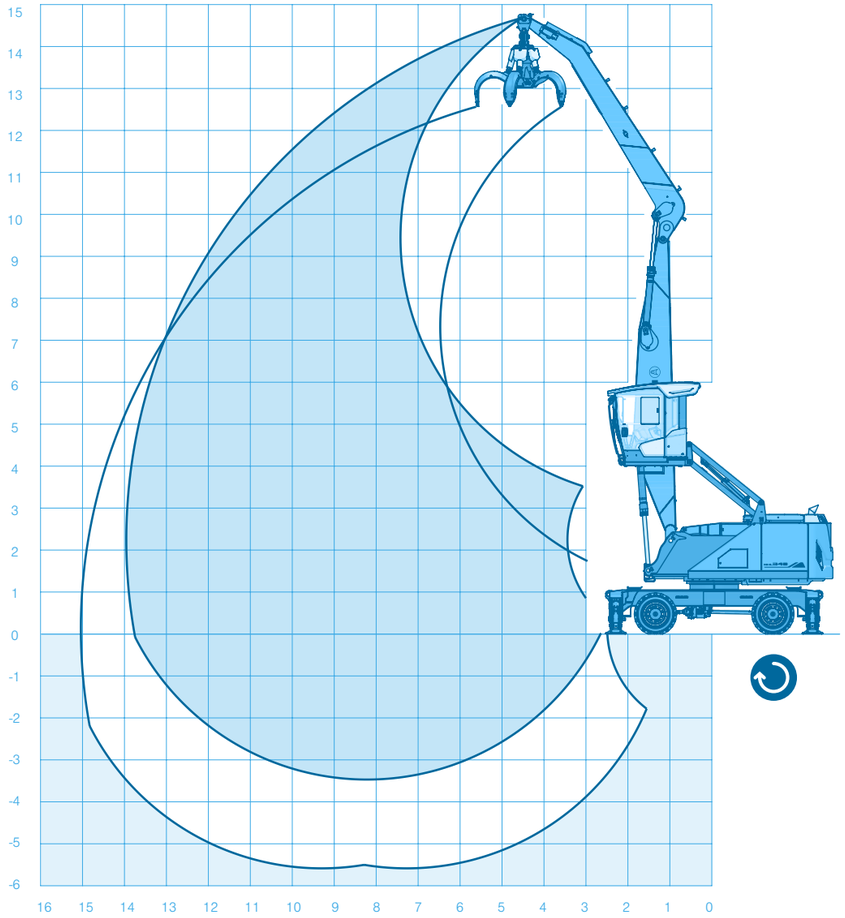
Recommended attachments upon request

Height | Reach | Center of rotation | 4-point supported | Not supported

The lift capacity values are stated in metric tons (t). 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 weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise 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. The machine has to be supported on a level ground for object handling application.

DIMENSIONS
LOADING EQUIPMENT WITH UP TO 14M REACH

BOOM : 7,2 M | DIPPER STICK : 6,2 M | CACTUS GRAB : 0,6 M³ OPEN



LIFTING CAPACITY

LOADING EQUIPMENT: BOOM 7,2 M, DIPPER STICK 6,2 M

Height m	Outrigger Undercarriage	Reach in m						
		4,5	6	7,5	9	10,5	12	13,5
13,5			(4,9°) 4,9° (4,9°)					
12				(5,0°) 5,0° (5,0°)	(3,5°) 3,5° (3,5°)			
10,5				(5,8°) 5,8° (5,8°)	(4,4) 4,9° (4,9°)	(3,2°) 3,2° (3,2°)		
9				(6,0) 6,4° (6,4°)	(4,4) 5,7° (5,7°)	(3,3) 4,6° (4,6°)	(2,3°) 2,3° (2,3°)	
7,5				(5,9) 7,0° (7,0°)	(4,3) 6,5° (6,5°)	(3,2) 5,0 (5,5°)	(2,5) 3,7° (3,7°)	
6				(5,7) 7,9° (7,9°)	(4,1) 6,4 (6,8°)	(3,1) 4,9 (6,0°)	(2,4) 3,9 (4,7°)	
4,5			(7,7) 10,1° (10,1°)	(5,3) 8,3 (8,4°)	(3,9) 6,1 (7,1°)	(3,0) 4,8 (6,0)	(2,4) 3,8 (4,8)	(1,9) 2,7° (2,7°)
3		(10,8) 16,1° (16,1°)	(6,9) 11,2 (11,4°)	(4,9) 7,8 (8,9°)	(3,7) 5,9 (7,3°)	(2,9) 4,6 (5,8)	(2,3) 3,7 (4,7)	(1,8) 3,1 (3,3°)
1,5		(9,3°) 12,0° (12,0°)	(6,2) 10,4 (12,2°)	(4,5) 7,4 (9,2°)	(3,4) 5,6 (7,1)	(2,7) 4,5 (5,6)	(2,2) 3,6 (4,6)	(1,8) 3,0 (3,5°)
0		(6,2°) 6,2° (6,2°)	(5,7) 9,8 (12,1°)	(4,2) 7,0 (9,0)	(3,2) 5,4 (6,9)	(2,6) 4,3 (5,5)	(2,1) 3,6 (4,5)	(1,8) 3,0 (3,1°)
-1,5		(5,8°) 5,8° (5,8°)	(5,4) 9,5 (11,2°)	(4,0) 6,8 (8,6°)	(3,1) 5,2 (6,7)	(2,5) 4,2 (5,4)	(2,1) 3,5 (4,3°)	
-3			(5,3) 9,4° (9,4°)	(3,9) 6,7 (7,4°)	(3,0) 5,2 (5,9°)			
								max. reach 13,9 m
2,2								(1,7) 2,1° (2,1°)

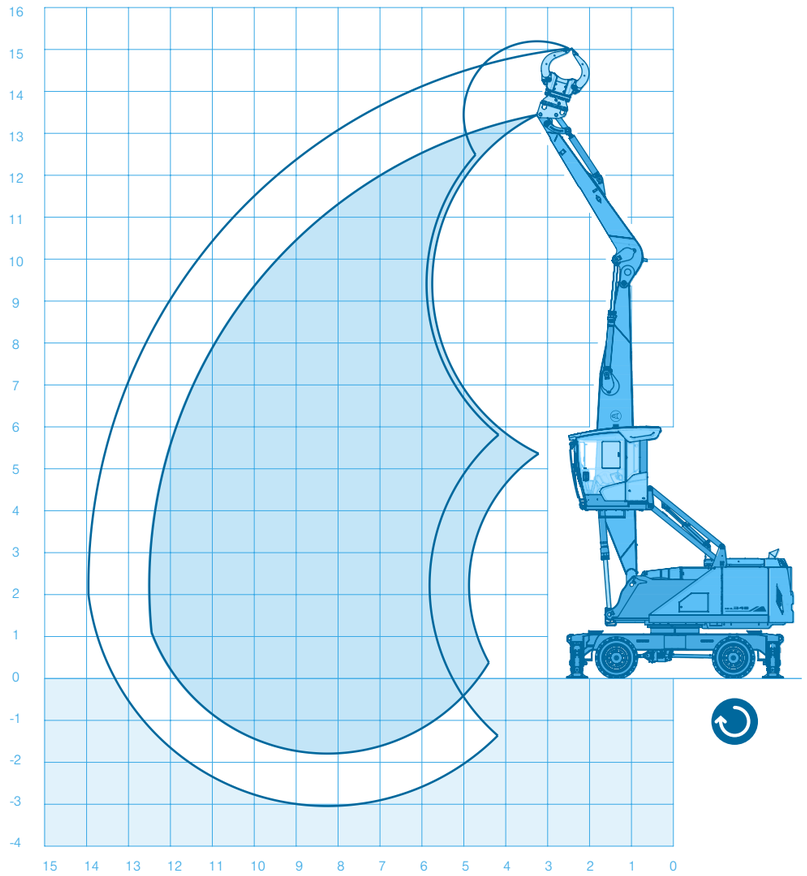
Recommended attachments upon request

Height | Reach | Center of rotation | 4-point supported | Not supported

The lift capacity values are stated in metric tons (t). 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 weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise 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. The machine has to be supported on a level ground for object handling application.

DIMENSIONS
LOADING EQUIPMENT WITH UP TO 12.5M REACH

BOOM : 7,2 M | MULTI-PURPOSE STICK : 4,5 M | CACTUS GRAB : 0,45 M³



m

LIFTING CAPACITY

LOADING EQUIPMENT: BOOM 7,2 M, MULTI-PURPOSE STICK 4,5 M

Height m	Outrigger Undercarriage	Reach in m					
		4,5	6	7,5	9	10,5	12
12	4-point / Not supported		(6,9°) 6,9° (6,9°)				
10,5	4-point / Not supported		(7,9) 8,5° (8,5°)	(5,4) 7,0° (7,0°)			
9	4-point / Not supported		(7,9) 9,3° (9,3°)	(5,4) 8,2° (8,2°)	(3,9) 6,1 (6,8°)		
7,5	4-point / Not supported		(7,8) 10,1° (10,1°)	(5,3) 8,3° (8,3°)	(3,9) 6,1 (7,1°)	(2,9) 4,7 (5,7°)	
6	4-point / Not supported	(11,9) 12,1° (12,1°)	(7,4) 10,8° (10,8°)	(5,1) 8,1 (8,7°)	(3,8) 6,0 (7,2°)	(2,9) 4,6 (5,8)	
4,5	4-point / Not supported	(10,7) 16,5° (16,5°)	(6,8) 11,1 (11,6°)	(4,8) 7,7 (9,0°)	(3,6) 5,8 (7,3)	(2,8) 4,5 (5,7)	(2,2) 3,6 (4,4°)
3	4-point / Not supported		(6,2) 10,4 (12,3°)	(4,5) 7,4 (9,3°)	(3,4) 5,6 (7,1)	(2,7) 4,4 (5,6)	(2,1) 3,6 (4,5)
1,5	4-point / Not supported		(5,7) 9,8 (12,2°)	(4,2) 7,0 (9,1)	(3,2) 5,4 (6,9)	(2,6) 4,3 (5,4)	(2,1) 3,5 (4,5)
0	4-point / Not supported		(5,5) 9,6 (10,4°)	(4,0) 6,9 (8,6°)	(3,1) 5,3 (6,7)	(2,5) 4,2 (5,3°)	
-1,5	4-point / Not supported			(4,0) 6,8 (7,3°)	(3,1) 5,2 (5,8°)		
							max. reach 12,4 m
2,2	4-point / Not supported						(2,0) 3,2° (3,2°)

Recommended attachments upon request

Height | Reach | Center of rotation | 4-point supported | Not supported

The lift capacity values are stated in metric tons (t). 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 weights of the attached load hoisting equipment (grab, load hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise 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. The machine has to be supported on a level ground for object handling application.

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