TEREX® | FUCHS

E-SERIES

TIMBER HANDLING MACHINES

TEREX | FUCHS Telematics SYSTEM
CONNECTS FOR YOU

WORKS FOR YOU.

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TEREX® FUCHS LOADING MACHINES CONVINCE THROUGH POWER AND QUALITY.

The benchmark for effective timber handling.

More power. Larger working radius. Greater volume per day.

Terex® Fuchs Pick & Carry machines set standards in modern timber-handling technology with more sophisticated hydraulics, powerful hydrostatic all-wheel drive, and an exceptionally comfortable driver's cabin.

TIMBER HANDLING AT MAXIMUM SPEED.

More speed means more sales – it's as simple as that when it comes to timber handling.

The ability to comfortably handle high lifting powers makes Terex® Fuchs machines unbelievably versatile. And extremely stable.

For loading and unloading of trucks, or for transporting saws and intermediate storage, the Terex® Fuchs loading machines, with speeds of up to 20 km/h, open up new dimensions. Large reaches up to 16 m and massive grab volumes up to 3.2 m^3 guarantee ample clearance.

The combination of solid construction with polder blade as standard and extremely stable undercarriage provides safety even for heavy loads. Additional benefits include the astonishingly comfortable handling, high maneuverability, and the extremely precise control of all travel and loading maneuvers. The loading machines with trailers simultaneously master all tasks in one go: loading, transporting, unloading.

Workhorse, requiring little maintenance

Important components are easily accessible from the service platform. Comfortable access to the upper carriage platform is provided from both sides, which makes maintenance work easy.

Rigid cab

The cab can be lowered for easy transportation.

WE MANUFACTURE QUALITY, SO YOU CAN HANDLE TOUGH JOBS EASILY.

Logs in motion.

Terex® Fuchs loading machines are agile machines specially designed for efficient timber handling. Especially for roundwood of varying cutting lengths. The undercarriage has the symmetry of a square. Not only does that provide a secure base but also a very small turning radius in conjunction with the all-wheel steering. This allows swift and precise travel movements in confined spaces. The standard polder blade has an integrated cylinder protection. The blade serves to clear routes and bunching. If required, a second blade can also be installed.

It's not just the standard air conditioning system that makes the driver's cab a comfortable workplace. It is spacious and has exceptional noise insulation. Large windows offer unrestricted panoramic views. As well as being equipped with standard safety glass as standard, bullet-proof glass is optional for the front and roof windows. The perfect ergonomic design of the air-cushioned driver's seat reduces vibrations in the low-frequency range. Take a seat!

MHL350 E HD

Solid base: large undercarriage gives outstanding stability and a remarkable loading capacity

Optimized for the industry: the machine is equipped with a trailer hitch for timber handling applications and can tow heavy trailers over long distances

XXL dimensions: A reach of up to 16 m, increased load capacities due to the larger undercarriage, and a powerful 160 kW diesel engine establish ideal conditions for a wide variety of applications.

Fast and quiet: Large loads can be positioned with utmost accuracy and precision without jerking and uncontrolled swinging movements.

With an increased work radius, extremely stressable slewing gear and higher lifting capacities, the Terex® Fuchs MHL350 HD brings new momentum to your timber handling.

Depending on the operational requirement, a reach ranging from 12.6 m to 16 m are available. With the aid of the innovative hydraulic system, all movements can be carried out harmoniously and exactly as required. One special feature is the “Live Heel” loading system in the 12.6 m variation: It will enable you to reach logs outside of the center and still maneuver them in a horizontal position. These ingenious kinematics make it possible to pick up and set down long timber precisely on target.

Special feature: live heel

Reach logs outside of the center and still maneuver them safely in a horizontal position. The ingenious live heel makes you handle long timber precisely.

MHL364 E: transporting heavy loads

The undercarriage with the symmetry of a square ensures complete stability in all directions even with maximum reach. The undercarriage with special HD axles and extremely robust tires allows heavy loads to be moved quickly and securely. Due to the specially designed drive unit, speeds of up to 20 km/h can be achieved even with a fully loaded grab.

The ruggedness and reliability of Terex® Fuchs Pick & Carry machines speak for themselves.

The steel construction is characterized by excellent static design and stability, and the powerful yet sensitive high-performance hydraulics, with notable lifting and slewing capabilities, make easy work of quick maneuvers, even with heavy loads. The hydraulic damping system has been specially developed to reduce vibrations during rapid maneuvers in driving mode, which in turn keeps wear to a minimum.

Everything within view. Everything under control.

From his seat, the operator can comfortably reach the multi-function joystick to control all the machine's functions and cycles. The joystick steering is fitted as standard. The easy-to-read multifunction display gives the operator all the information he needs at a glance, enabling him to work quickly and reliably as he uses the intuitive controls.

Machine Features
Terex® Fuchs Pick & Carry machines

- Excellent lifting capacities combined with long reach
- Small turning radius
- High traveling speeds
- Automatic central lubrication system in the uppercarriage
- Central lubricant fitting in the undercarriage
- Deutz Diesel engine with exceptionally low emission values and sound levels
- Elevated comfort cab; excellent all-around view
- Multifunctional display

Cab Features
Terex® Fuchs Pick & Carry machines

- Proportional joystick steering as standard
- Orthopedically designed air-cushioned operator seat
- Heating and standard air condition with reheat-function
- Multi-functional display for operationally relevant information

TECHNICAL DATA MHL334 E

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL334 E	22–27 t

DIESEL ENGINE

Manufacturer and model	Deutz TCD 4.1 L4
Design	4-cylinder inline engine
Engine control	EMR IV
Type	4-stoke diesel engine, direct common-rail fuel-injection, turbocharger, controlled exhaust gas recirculation, diesel particulate filter with automatic regeneration
Engine output	115 kW
Rated speed	2000 rpm
Displacement	4.1 l
Cooling system	Coolant and charge air cooling, with temperature controlled fan speed
Emission standards	III B / EPA IV interim
Air filter type	Two-stage filter with safety valve

ELECTRICAL SYSTEM

Operating voltage	24 V
Battery	2 × 12 V / 110 Ah / 750 A (according to EN)
Generator	28 V / 100 A
Starter	24 V / 4.0 kW
Lighting system	1 × H3 headlamp on uppercarriage 1 × H3 headlamp on cab floor rear marker lights and flashers: optional additional working floodlights H3 / LED / XENON

HYDRAULIC SYSTEM

Main pump	Variable displacement pump in an open circuit
Pump capacity	max. 380 l/min
Operating pressure	max. 360 bar
Additional pumps	Gear pumps in the open circuit for supporting auxiliary loads
Oil cooler	Fan speed thermostatically controlled
Hydraulic oil filter	Return line filter, bypass flow filter for working equipment optional

BRAKES

Service brake	Hydraulically activated single circuit brake system that works on all four pairs of wheels
Parking brake	Electro-hydraulically actuated spring-loaded disk brake on the front axle, works on both axles

TRANSMISSION

Hydrostatic drive through infinitely variable axial piston motor with directly mounted travel brake valves, two-speed shift gear, 4-wheel drive

Travel speed	1st gear: max. 6 km/h 2nd gear: max. 20km/h
Max. traction force	1st gear: 135 kN 2nd gear: 35 kN
Turning radius	5.7 m

SLEWING GEAR

Slewing ring with inner gear teeth. Drive via planetary gears.
Integrated disk brakes electrically powered.

Uppercarriage swing speed	0 – 8 rpm
Swing range	360° unrestricted
Max. torque	48 kNm

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 29°
Rear axle	Planetary drive axle with integrated drum brake, selfaligning bearing with automatic oscillating lock, max. steering angle 29°
Outriggers	Support blade with integrated cylinder protection on side of oscillating axle
Tires	Pneumatic tires, 8-fold 10.00-20

OPERATOR'S CAB

As an option, the cab can be supplied with reinforced glass or LEXAN glazing (windscreen and skylight).

Heating	Hot water heating with variable temperature setting and multi-level blower, adjustable defroster nozzles
Air conditioning system	Automatic air conditioning, reheating function
Operator's seat	Air-cushioned comfort seat with integrated headrest, safety belt and lower lumbar support, with integrated air conditioning. Multi adjustable seat provides comfortable operation and access to controls.
Monitoring	Ergonomically positioned, glare resistant instrument cluster, multifunction display, automatic monitoring and saving functions for deviating operating conditions (e.g. all hydraulic oil filters, oil temperature indicator, coolant temperature and charge air cooler, coolant level, loading diesel particel filter), optic and audible warning until the pilot control is shut down or the engine power is reduced. Diagnostics for the individual sensors via the multifunction display. Rear view camera.
Sound Power Level	$L_{W(A)}$ = 101 dB(A) (guaranteed) in accordance with guideline 2000/14/EC, required in accordance with 2000/14/EC = 104 dB(A)

OFFICIAL HOMOLOGATION

Certification in accordance with CE guidelines

EQUIPMENT MHL334 E

DIESEL ENGINE

	STANDARD	OPTION
Exhaust gas turbocharger	●	
Intercooling	●	
Direct electronic fuel injection/Common Rail	●	
Automatic idle	●	
Engine pre-heating		●
Engine diagnostics interface	●	
Temperature-controlled fan drive	●	
Zyklon pre-separator for air-filter		●

UNDERCARRIAGE

Support blade on side of oscillating axle; integrated cylinder protection	●	
All-wheel drive	●	
Rear axle oscillating lock	●	
Special paint		●
Drum brakes	●	
Toolbox, small	●	
Toolbox, large		●
Access	●	
Fenders	●	
Additional support blade		●

UPPERCARRIAGE

Electrical refueling pump		●
Lighting protection		●
Maintenance hood, actuated by gas spring	●	
Lockable cleaning access openings on radiators	●	
Separate cooling systems	●	
Automatic central lubrication system	●	
Rear view camera	●	
Reversing alarm		●
Liquid intercooling, thermostatically controlled, separately driven	●	
Quick drain valve on diesel tank	●	
Quick drain valve on hydraulic oil tank	●	
Quick drain valve on water cooler	●	
Quick drain valve on engine-oil pan	●	
Reversible fan for engine and hydraulic oil cooler		●
Separate oil cooler with temperature controlled fan drive	●	

CAB

	STANDARD	OPTION
Air cushioned operator`s seat with low-frequency damping, headrest, safety belt and lumbar-support	●	
Seat heating with integrated a/c function		●
FOPS protective grating		●
Cab elevation, 0.4/0.8 m, rigid		●
Air conditioning	●	
Multi functional joysticks	●	
3-layer glass with protection film	●	
Armoured glas (windscreen and roof panel)		●
Powder fire extinguisher		●
Joystick steering	●	
Protective grills to front and roof (decoupled from the cab)	●	
Automatic engine shutdown		●
Rotating beacon		●
Voltage converter 12 V		●
12 V socket		●
Terex® Fuchs Telematics System		●
Sliding window in cab door	●	
Pre-heating system		●
Radio 24 V (CD)		●
Washer system installed underneath windscreen		●

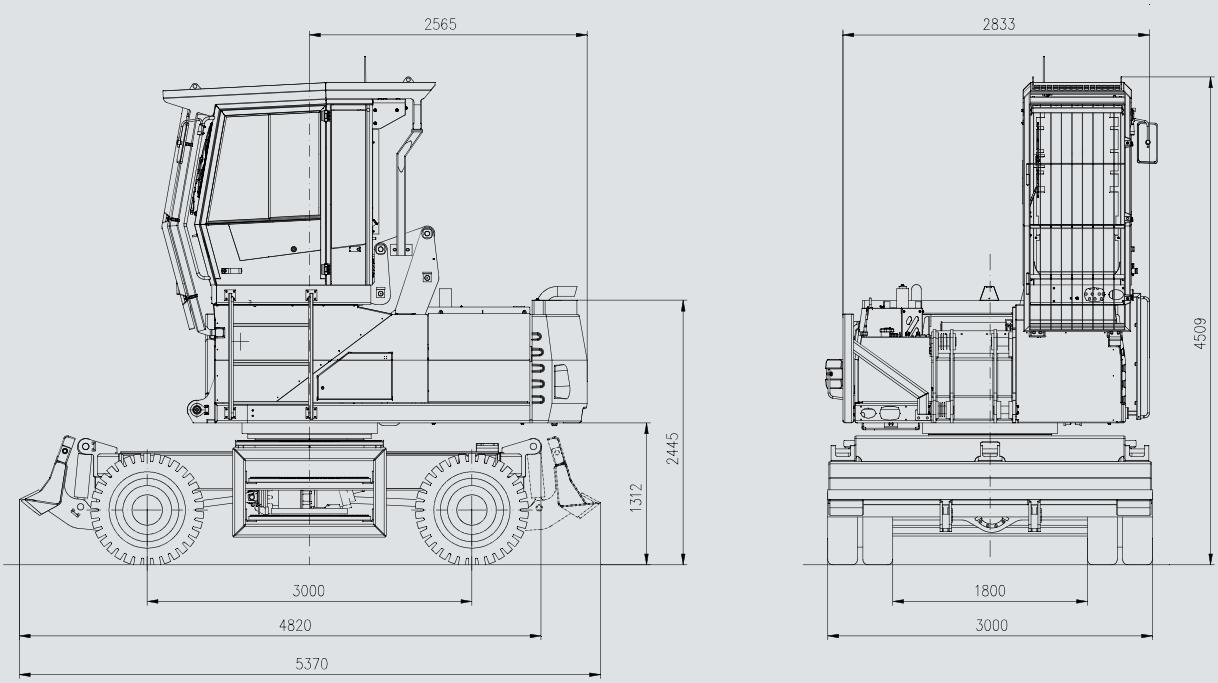
OTHER EQUIPMENT

2 × H3 headlamps at machine front for traveling	●	
3 × H3 / XENON / LED floodlights (2 on rear of machine, 1 right hand side)		●
Hydraulic oil preheating		●
Close-range limiter for dipper stick	●	
Thermostatic monitoring of coolant and hydraulic fluid temperatures	●	
Coolant and hydraulic oil level monitoring system	●	
Pipe break protection for stick cylinder		●
Pipe break protection for lift cylinder		●
Hydraulic cushioning system of the lift cylinders	●	
Lubrication of the grab suspension by the central lubrication system	●	
Grab connection to central lubrication system	●	
Overload warning/shut-off device		●
Quick-connect coupling on dipperstick	●	
H3 light packages		●
XENON light packages		●
LED light packages		●

Further optional equipment available on request!

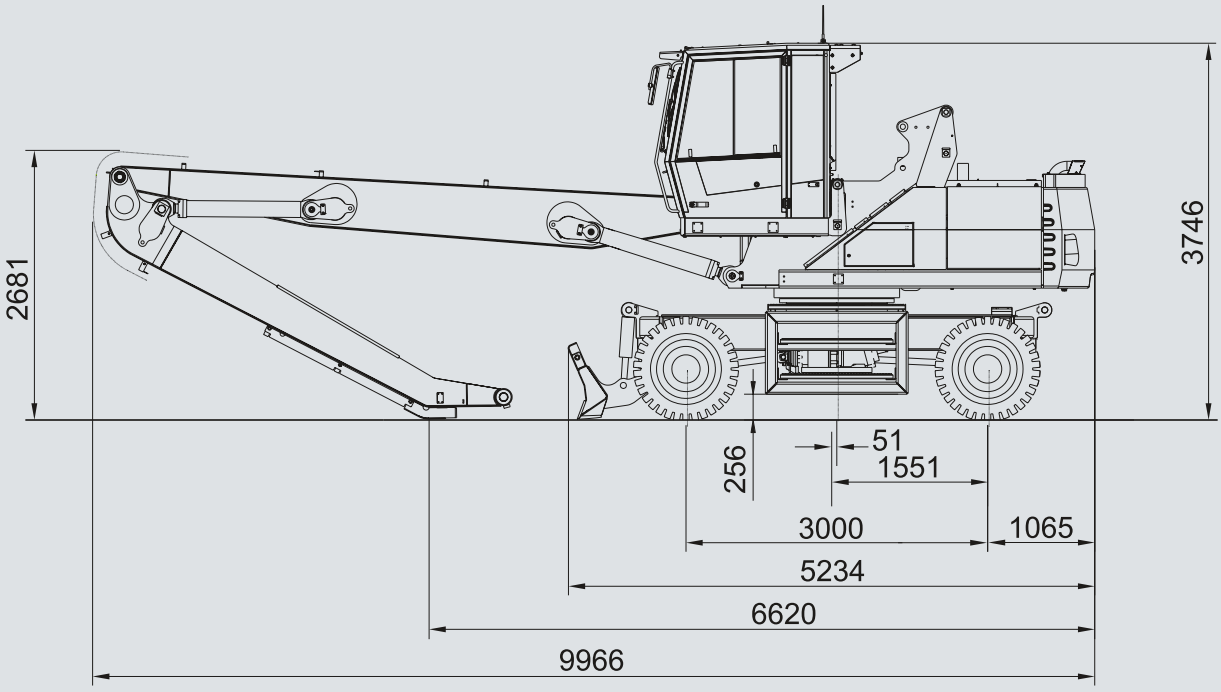
DIMENSIONS MHL334 E

All dimensions in mm



TRANSPORT DIMENSIONS MHL334 E

With dipper stick | All dimensions in mm



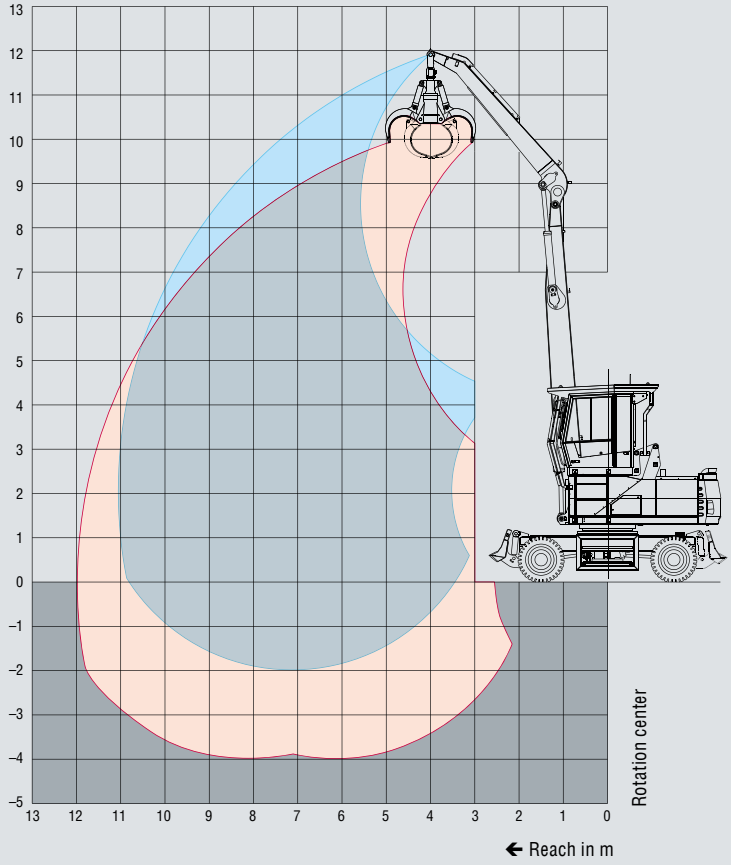
WORKING RANGES / CARRYING CAPACITY

REACH 11.0 M WITH DIPPER STICK

Loading equipment	Box-type boom 6.5 m Dipper stick 4.4 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	0.8–1.7 m² Depending on mission requirements



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 (...) ** values apply when support blade is on the back of the machine. The weights of the attached load hoisting equipment (grab, load hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]					
		3.0	4.5	6	7.5	9	10.5
10.5	not supported			5.7° (5.7°) (5.7°)**			
9	not supported			6.0 (6.4°) (6.4°)**	4.2 (5.1) (5.6)**		
7.5	not supported			6.0 (6.4°) (6.4°)**	4.2 (5.1) (5.6)**	3.2 (3.8) (4.2)**	
6	not supported			5.8 (6.8°) (6.8°)**	4.2 (5.0) (5.5)**	3.1 (3.8) (4.1)**	
4.5	not supported	13.5° (13.5°) (13.5°)**	8.5 (9.7°) (9.7°)**	5.6 (6.8) (7.4)**	4.0 (4.9) (5.3)**	3.1 (3.7) (4.1)**	2.4 (2.9) (3.2)**
3	not supported		7.8 (9.9) (10.8)**	5.2 (6.4) (7.0)**	3.8 (4.7) (5.1)**	3.0 (3.6) (4.0)**	2.4 (2.9) (3.2)**
1.5	not supported		7.2 (9.2) (9.8°)**	4.9 (6.1) (6.7)**	3.7 (4.5) (4.9)**	2.9 (3.5) (3.9)**	2.3 (2.8) (3.1)**
0	not supported		6.9 (7.0°) (7.0°)**	4.7 (5.9) (6.5)**	3.5 (4.4) (4.8)**	2.8 (3.4) (3.8)**	2.3 (2.8) (3.1)**
–1.5	not supported			4.6 (5.8) (6.4)**	3.5 (4.3) (4.8)**	2.8 (3.4) (3.8)**	
							Max. Reach 11.05 m
2.06	not supported						2.2 (2.6) (2.9)**

TECHNICAL DATA MHL344 E

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL344 E	29–31 t

DIESEL ENGINE

Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder inline engine
Engine control	EMR IV
Type	4-stoke diesel engine, direct common-rail fuel-injection, turbocharger, controlled exhaust gas recirculation, diesel particulate filter with automatic regeneration
Engine output	129 kW
Nominal speed	2000 rpm
Displacement	6.1 l
Cooling system	Coolant and charge air cooling, with temperature controlled fan speed
Emission standard	III B / EPA IV interim
Air filter type	Two-stage filter with safety valve

ELECTRICAL SYSTEM

Operating voltage	24 V
Battery	2 × 12 V / 100 Ah / 760 A (according to EN)
Generator	28 V / 100 A
Starter	24 V / 4.0 kW
Lighting system	1 × H3 headlamp on uppercarriage 1 × H3 headlamp on cab floor rear marker lights and flashers: optional additional working floodlights H3 / LED / XENON

HYDRAULIC SYSTEM

Main pump	Adjustable double displacement pump in an open circuit
Pump capacity	2 × 320 l/min
Operating pressure	max. 355 bar
Additional pumps	Gear pumps in the open circuit for supplying auxiliary loads
Oil cooler	Fan speed thermostatically controlled
Hydraulic oil filter	Return filter, bypass oil filter for working equipment optional

TRANSMISSION

Tandem hydraulic motor with automatic control; 4-wheel drive

Travel speed	0–19 km/h
Gradeability	max. 17%
Turning radius	5.5 m

SLEWING GEAR

Slewing ring with inner gear teeth. Drive via planetary gears. Integrated multi-disk brake, electrically activated.

Uppercarriage swing speed	0–8 rpm
Swing range	360° unrestricted
Max. torque	67 kNm

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigid bearing, max. steering angle 30°
Rear axle	Planetary drive axle with integrated drum brake, self-aligning bearing with automatic oscillating lock, max. steering angle 30°
Stabilizers	Dozer blade with integrated cylinder protection on the oscillating side
Tires	Pneumatic tires 8-fold 12.00-20

BRAKES

Service brake	Third-party braking system actu-ated by pedal, works on all four pairs of wheels, can be locked.
Parking brake	Electro-hydraulically actuated spring-loaded disk brake on the front axle, works on both axles.

OPERATOR'S CAB

As an option, the cab can be supplied with rein-forced glass or LEXAN glazing (windscreen and skylight).

Heating	Hot water heating with variable temperature setting and multi-level blower, adjustable defroster nozzles
Air conditioning system	Automatic air conditioning, reheating function
Operator's seat	Air-cushioned comfort seat with integrated headrest, safety belt and lower lumbar support, with integrated air conditioning. Multi adjustable seat provides comfortable operation and access to controls.
Monitoring	Ergonomically positioned, glare resistant instrument cluster, multifunction display, automatic monitoring and saving functions for deviating operating conditions (e.g. all hydraulic oil filters, oil temperature indicator, coolant temperature and charge air cooler, coolant level, loading diesel particel filter), optic and audible warning until the pilot control is shut down or the engine power is reduced. Diagnostics for the individual sensors via the multifunction display. Rear view camera.
Sound Power Level	$L_{W(A)}$ = 101 dB(A) (guaranteed) in accordance with guideline 2000/14/EC, required in accordance with 2000/14/EC = 104 dB(A)

OFFICIAL HOMOLOGATION

Certification in accordance with CE guidelines

EQUIPMENT MHL344 E

DIESEL ENGINE

	STANDARD	OPTION
Exhaust gas turbocharger	●	
Intercooling	●	
Direct electronic fuel injection/Common Rail	●	
Automatic idle	●	
Engine pre-heating		●
Engine diagnostics interface	●	
Temperature-controlled fan drive	●	
Zyklon pre-separator for air-filter		●

UNDERCARRIAGE

Support blade on side of oscillating axle; integrated cylinder protection	●	
All-wheel drive	●	
Rear axle oscillating lock	●	
Special paint		●
Drum brakes	●	
Toolbox, small	●	
Toolbox, large		●
Access	●	
Fenders	●	
Additional support blade		●

UPPERCARRIAGE

Electrical refueling pump		●
Lighting protection		●
Maintenance hood, actuated by gas spring	●	
Lockable cleaning access openings on radiators	●	
Separate cooling systems	●	
Automatic central lubrication system	●	
Rear view camera	●	
Reversing alarm		●
Liquid intercooling, thermostatically controlled, separately driven	●	
Quick drain valve on diesel tank	●	
Quick drain valve on hydraulic oil tank	●	
Quick drain valve on water cooler	●	
Quick drain valve on engine-oil pan	●	
Reversible fan for engine and hydraulic oil cooler		●
Separate oil cooler with temperature controlled fan drive	●	

CAB

	STANDARD	OPTION
Air cushioned operator`s seat with low-frequency damping, headrest, safety belt and lumbar-support	●	
Seat heating with integrated a/c function		●
FOPS protective grating		●
Cab elevation, 0.4/0.8 m, rigid		●
Air conditioning	●	
Multi functional joysticks	●	
3-layer glass with protection film	●	
Armoured glas (windscreen and roof panel)		●
Powder fire extinguisher		●
Joystick steering	●	
Protective grills to front and roof (decoupled from the cab)	●	
Automatic engine shutdown		●
Rotating beacon		●
Voltage converter 12 V		●
12 V socket		●
Terex® Fuchs Telematics System		●
Sliding window in cab door	●	
Pre-heating system		●
Radio 24 V (CD)		●
Washer system installed underneath windscreen		●

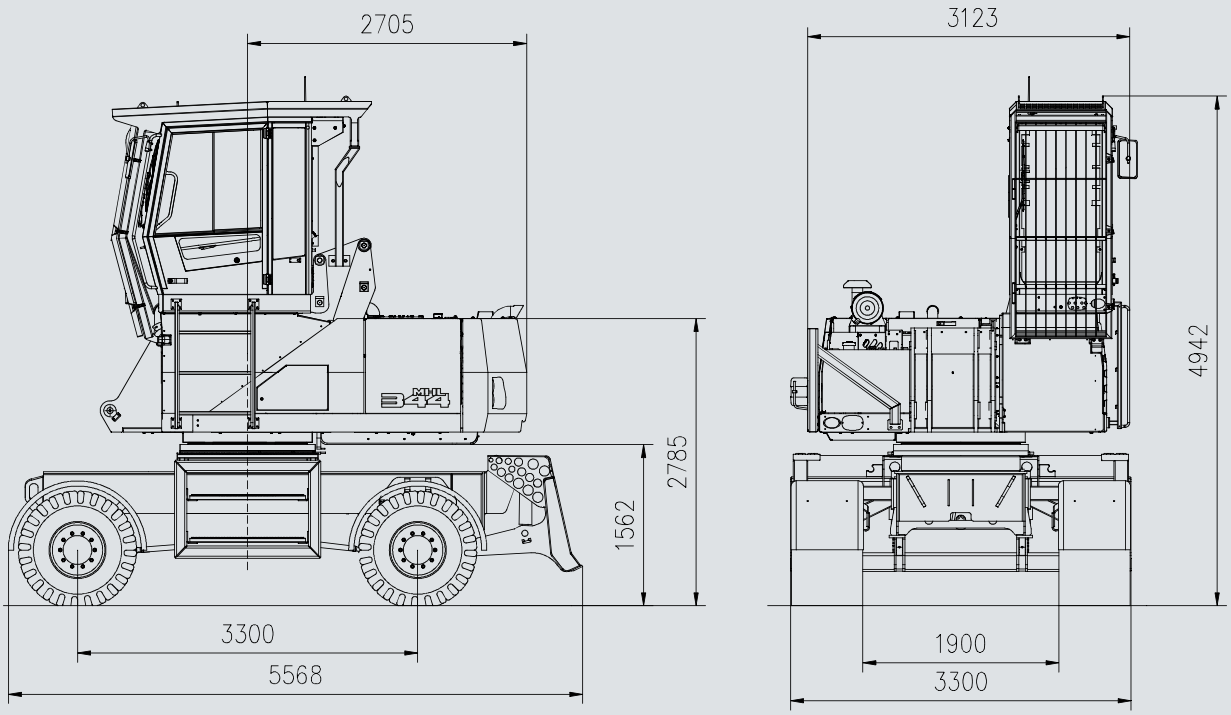
OTHER EQUIPMENT

2 × H3 headlamps at machine front for traveling	●	
3 × H3 / XENON / LED floodlights (2 on rear of machine, 1 right hand side)		●
Hydraulic oil preheating		●
Close-range limiter for dipper stick	●	
Thermostatic monitoring of coolant and hydraulic fluid temperatures	●	
Coolant and hydraulic oil level monitoring system	●	
Pipe break protection for stick cylinder		●
Pipe break protection for lift cylinder		●
Hydraulic cushioning system of the lift cylinders	●	
Lubrication of the grab suspension by the central lubrication system	●	
Grab connection to central lubrication system	●	
Overload warning/shut-off device		●
Quick-connect coupling on dipperstick	●	
H3 light packages		●
XENON light packages		●
LED light packages		●

Further optional equipment available on request!

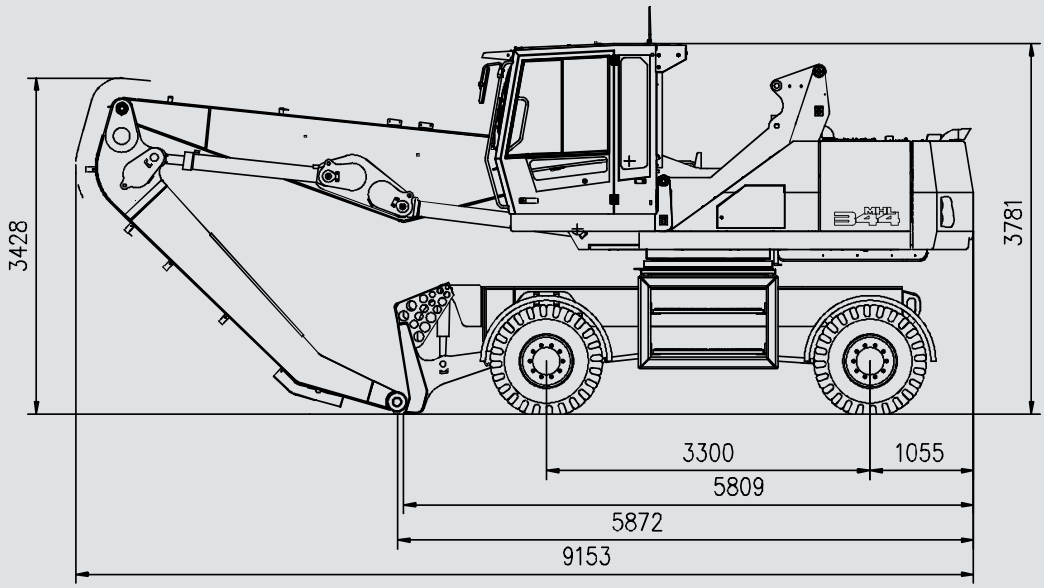
DIMENSIONS MHL344 E

All dimensions in mm



TRANSPORT DIMENSIONS MHL344 E

With dipper stick | All dimensions in mm



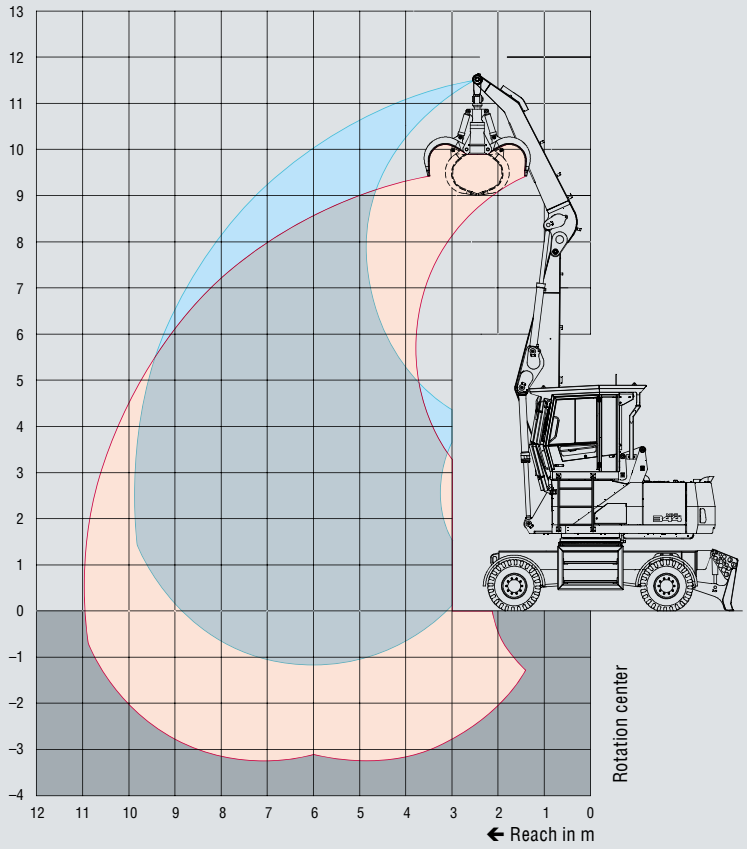
WORKING RANGES / CARRYING CAPACITY

REACH 9.9 M WITH DIPPER STICK

Loading equipment	Box-type boom 5.2m Dipper stick 4.1 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	1.75–2.2 m² Depending on mission requirements



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 (...) ** values apply when support blade is on the back of the machine. The weights of the attached load hoisting equipment (grab, load hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]				
		3	4.5	6	7.5	9
10.5	not supported		9.0° (9.0°) (9.0°)**			
9	not supported			7.7 (9.1°) (9.1°)**		
7.5	not supported			7.8 (9.5) (9.9°)**	5.4 (6.6) (7.3)**	
6	not supported		12.1 (12.3°) (12.3°)**	7.7 (9.4) (10.2°)**	5.4 (6.5) (7.3)**	4.0 (4.9) (5.5)**
4.5	not supported		11.6 (14.0°) (14.0°)**	7.4 (9.1) (10.1)**	5.3 (6.4) (7.2)**	4.0 (4.8) (5.4)**
3	not supported		10.8 (13.7) (15.3)**	7.0 (8.7) (9.7)**	5.1 (6.2) (7.0)**	3.9 (4.8) (5.4)**
1.5	not supported	5.6° (5.6°) (5.6°)**	10.1 (13.0) (14.5)**	6.7 (8.4) (9.4)**	4.9 (6.1) (6.8)**	3.9 (4.7) (5.3)**
0	not supported		9.8 (12.6) (14.2)**	6.5 (8.2) (9.2)**	4.8 (6.0) (6.7)**	
						Max. Reach 9.88 m
2.58	not supported					3.4 (4.2) (4.3°)**

TECHNICAL DATA MHL354 E

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL354 E	32–36.8t

DIESEL ENGINE

Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder inline engine
Engine control	EMR IV
Type	4-stoke diesel engine, direct common-rail fuel-injection, turbocharger, controlled exhaust gas recirculation, diesel particulate filter with automatic regeneration
Engine output	160 kW
Nominal speed	2000 rpm
Displacement	6.1 l
Cooling system	Coolant and charge air cooling, with temperature controlled fan speed
Emission standard	III C / EPA IV interim
Air filter type	Two stage filter with safety valve

ELECTRICAL SYSTEM

Operating voltage	24 V
Battery	2 × 12 V / 100 Ah / 760 A (according to EN)
Generator	28 V / 100 A
Starter	24 V / 4.0 kW
Lighting system	1 × H3 headlamp on uppercarriage 1 × H3 headlamp on cab floor rear marker lights and flashers: optional additional working floodlights H3 / LED / XENON

HYDRAULIC SYSTEM

Main pump	Adjustable double displacement pump in an open circuit
Pump capacity	2 × 330 l/min
Operating pressure	max. 355 bar
Additional pumps	Gear pumps in the open circuit for supplying auxiliary loads
Oil cooler	Fan speed thermostatically controlled
Hydraulic oil filter	Return line filter, bypass flow filter for working equipment optional

TRANSMISSION

Tandem hydraulic motor with automatic control; 4-wheel drive

Travel speed	0–19 km/h
Gradeability	max. 17 %
Turning radius	5.5 m

SLEWING GEAR

Slewing ring with inner gear teeth. Drive via planetary gears. Integrated disk brakes, electrically powered.

Uppercarriage swing speed	0–7 rpm
Swing range	360° unrestricted
Max. torque	80 kNm

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 30°
Rear axle	Planetary drive axle with integrated drum brake, self-aligning bearing with automatic oscillating lock, max. steering angle 30°
Outriggers	Support blade with integrated cylinder protection on side of oscillating axle
Tires	Pneumatic tires, 8-fold 12.00-20

BRAKES

Service brake	Third-party breaking system actuated by pedal, applied to all four wheels, lockable
Parking brake	Electro-hydraulically actuated spring-loaded disk brake on the front axle, works on both axles

OPERATOR'S CAB

As an option, the cab can be supplied with rein-forced glass or LEXAN glazing (windscreen and skylight).

Heating	Hot water heating with variable temperature setting and multi-level blower, adjustable defroster nozzles
Air conditioning system	Automatic air conditioning, reheating function
Operator's seat	Air-cushioned comfort seat with integrated headrest, safety belt and lower lumbar support, with integrated air conditioning. Multi adjustable seat provides comfortable operation and access to controls.
Monitoring	Ergonomically positioned, glare resistant instrument cluster, multifunction display, automatic monitoring and saving functions for deviating operating conditions (e.g. all hydraulic oil filters, oil temperature indicator, coolant temperature and charge air cooler, coolant level, loading diesel particel filter), optic and audible warning until the pilot control is shut down or the engine power is reduced. Diagnostics for the individual sensors via the multifunction display. Rear view camera.
Sound Power Level	$L_{W(A)}$ = 101 dB(A) (guaranteed) in accordance with guideline 2000/14/EC, required in accordance with 2000/14/EC = 104 dB(A)

OFFICIAL HOMOLOGATION

Certification in accordance with CE guidelines

EQUIPMENT MHL354 E

DIESEL ENGINE

	STANDARD	OPTION
Exhaust gas turbocharger	●	
Intercooling	●	
Direct electronic fuel injection/Common Rail	●	
Automatic idle	●	
Engine pre-heating		●
Engine diagnostics interface	●	
Temperature-controlled fan drive	●	
Zyklon pre-separator for air-filter		●

UNDERCARRIAGE

Support blade on side of oscillating axle; integrated cylinder protection	●	
All-wheel drive	●	
Rear axle oscillating lock	●	
Special paint		●
Drum brakes	●	
Toolbox, small	●	
Toolbox, large		●
Access	●	
Fenders	●	
Additional support blade		●

UPPERCARRIAGE

Electrical refueling pump		●
Lighting protection		●
Maintenance hood, actuated by gas spring	●	
Lockable cleaning access openings on radiators	●	
Separate cooling systems	●	
Automatic central lubrication system	●	
Rear view camera	●	
Reversing alarm		●
Liquid intercooling, thermostatically controlled, separately driven	●	
Quick drain valve on diesel tank	●	
Quick drain valve on hydraulic oil tank	●	
Quick drain valve on water cooler	●	
Quick drain valve on engine-oil pan	●	
Reversible fan for engine and hydraulic oil cooler		●
Separate oil cooler with temperature controlled fan drive	●	

CAB

	STANDARD	OPTION
Air cushioned operator`s seat with low-frequency damping, headrest, safety belt and lumbar-support	●	
Seat heating with integrated a/c function		●
FOPS protective grating		●
Cab elevation, 0.4/0.8 m, rigid		●
Air conditioning	●	
Multi functional joysticks	●	
3-layer glass with protection film	●	
Armoured glas (windscreen and roof panel)		●
Powder fire extinguisher		●
Joystick steering	●	
Protective grills to front and roof (decoupled from the cab)	●	
Automatic engine shutdown		●
Rotating beacon		●
Voltage converter 12 V		●
12 V socket		●
Terex® Fuchs Telematics System		●
Sliding window in cab door	●	
Pre-heating system		●
Radio 24 V (CD)		●
Washer system installed underneath windscreen		●

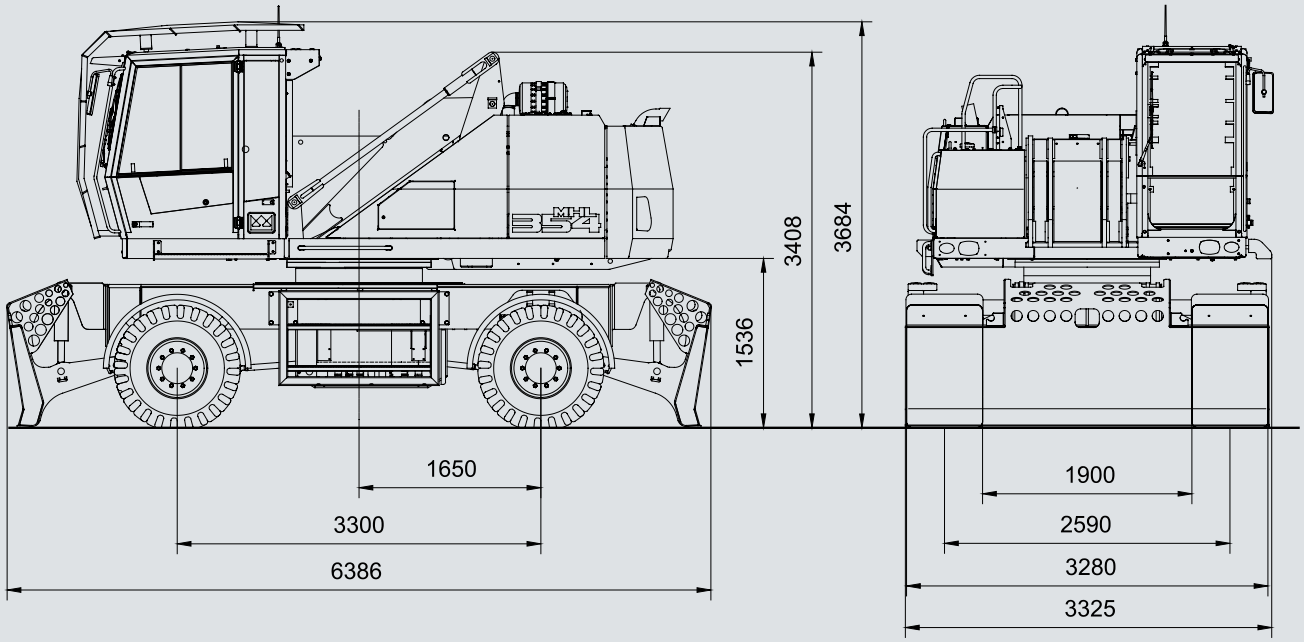
OTHER EQUIPMENT

2 × H3 headlamps at machine front for traveling	●	
3 × H3 / XENON / LED floodlights (2 on rear of machine, 1 right hand side)		●
Hydraulic oil preheating		●
Close-range limiter for dipper stick	●	
Thermostatic monitoring of coolant and hydraulic fluid temperatures	●	
Coolant and hydraulic oil level monitoring system	●	
Pipe break protection for stick cylinder		●
Pipe break protection for lift cylinder		●
Hydraulic cushioning system of the lift cylinders	●	
Lubrication of the grab suspension by the central lubrication system	●	
Grab connection to central lubrication system	●	
Overload warning/shut-off device		●
Quick-connect coupling on dipperstick	●	
H3 light packages		●
XENON light packages		●
LED light packages		●

Further optional equipment available on request!

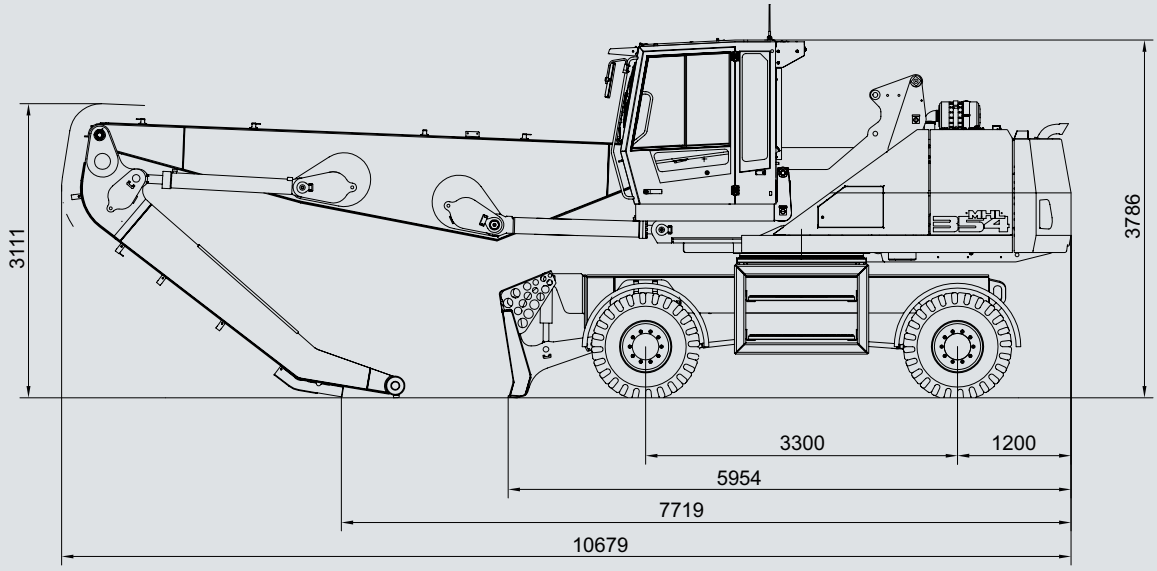
DIMENSIONS MHL354 E

All dimensions in mm



TRANSPORT DIMENSIONS MHL354 E

With dipper stick | All dimensions in mm



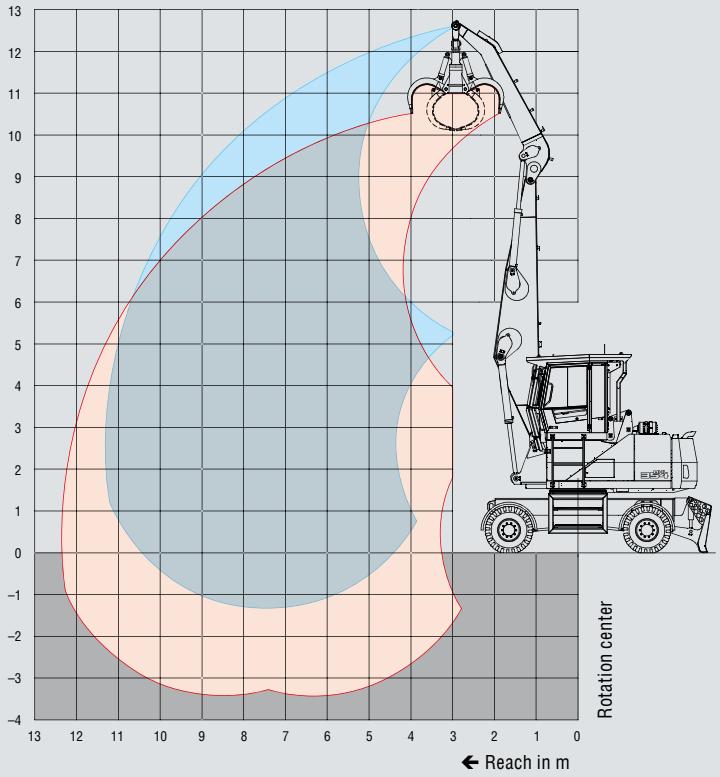
WORKING RANGES / CARRYING CAPACITY

REACH 11.3 M WITH DIPPER STICK

Loading equipment	Box-type boom 6.4 m Dipper stick 4.1 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	1.75–2.5 m² Depending on mission requirements



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 (...) ** values apply when support blade is on the back of the machine. The weights of the attached load hoisting equipment (grab, load hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]					
		3.0	4.5	6	7.5	9	10.5
12	not supported		8.7° (8.7°) (8.7°)**				
10.5	not supported			8.6 (9.3°) (9.3°)**			
9	not supported			8.7 (10.8) (10.9°)**	6.1 (7.5) (8.3)**		
7.5	not supported			8.6 (10.7) (11.1°)**	6.1 (7.5) (8.2) **	4.5 (5.6) (6.2)**	
6	not supported		13.0 (14.8°) (14.8°)**	8.3 (10.4) (11.4)**	5.9 (7.3) (8.1)**	4.5 (5.5) (6.1)**	3.5 (4.3) (4.8)**
4.5	not supported		12.0 (15.7) (17.2)**	7.9 (9.9) (10.9)**	5.7 (7.1) (7.8)**	4.4 (5.4) (6.0)**	3.5 (4.3) (4.8)**
3	not supported		11.0 (13.2°) (13.2°)**	7.4 (9.4) (10.4)**	5.4 (6.8) (7.6)**	4.2 (5.3) (5.9)**	3.4 (4.2) (4.7)**
1.5	not supported		6.2° (6.2°) (6.2°)**	7.0 (9.0) (10.0)**	5.2 (6.6) (7.4)**	4.1 (5.1) (5.7)**	3.3 (4.2) (4.7)**
0	not supported		6.7° (6.7°) (6.7°)**	6.9 (8.8) (9.8)**	5.1 (6.5) (7.2)**	4.0 (5.1) (5.7)**	
							Max. Reach 11.3 m
2.53	not supported						3.1 (3.8) (4.3)**

TECHNICAL DATA MHL364 E

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL364 E	45–51 t

DIESEL ENGINE

Manufacturer and model	Deutz TCD 7.8 L6 4V
Design	6-cylinder inline engine
Engine control	EMR IV
Type	4-stoke diesel engine, direct common-rail fuel-injection, turbocharger, controlled exhaust gas recirculation, diesel particulate filter with automatic regeneration
Engine output	190 kW
Nominal speed	2000 rpm
Displacement	7.8 l
Cooling system	Coolant and charge air cooling, with temperature controlled fan speed
Emission standard	III C / EPA IV interim
Air filter type	Two-stage filter with safety valve

ELECTRICAL SYSTEM

Operating voltage	24 V
Battery	2 × 12 V / 100 Ah /750 A (according to EN)
Generator	28 V / 100 A
Starter	24 V / 4.0 kW
Lighting system	1 × H3 headlamp on uppercarriage 1 × H3 headlamp on cab floor rear marker lights and flashers: optional additional working floodlights H3 / LED / XENON

HYDRAULIC SYSTEM

Main pump	Adjustable double displacement pump in an open circuit
Pump capacity	max. 2 × 280 l/min and 2 × 140 l/min
Operating pressure	max. 360 bar
Additional pumps	Gear pumps in the open circuit for supplying auxiliary loads
Oil cooler	Fan speed thermostatically controlled
Hydraulic oil filter	Return line filter, bypass flow filter for working equipment optional

TRANSMISSION

Hydrostatic drive through infinitely variable axial piston motor with directly mounted travel brake valves, 4-wheel drive

Travel speed	0–20 km/h
Max. traction force	120 kN
Turning radius	6.5 m

SLEWING GEAR

Slewing ring with inner gear teeth. Drive via planetary gears. Integrated disk brakes, electrically powered

Uppercarriage swing speed	0–6 rpm
Swing range	360° unrestricted
Max. torque	91 kNm

UNDERCARRIAGE

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 27°
Rear axle	Planetary drive axle with integrated drum brake, self-aligning bearing with automatic oscillating lock
Outriggers	Support blade with integrated cylinder protection on side of oscillating axle
Tires	Pneumatic tires, 8-fold 14.00-24

BRAKES

Service brake	Hydraulic single-circuit braking system acting on all four wheel pairs
Parking brake	Electro-hydraulically actuated spring-loaded disk brake on the front axle, works on both axles

OPERATOR'S CAB

As an option, the cab can be supplied with rein-forced glass or LEXAN glazing (windscreen and skylight).

Heating	Hot water heating with variable temperature setting and multi-level blower, adjustable defroster nozzles
Air conditioning system	Automatic air conditioning, reheating function
Operator's seat	Air-cushioned comfort seat with integrated headrest, safety belt and lower lumbar support, with integrated air conditioning. Multi adjustable seat provides comfortable operation and access to controls.
Monitoring	Ergonomically positioned, glare resistant instrument cluster, multifunction display, automatic monitoring and saving functions for deviating operating conditions (e.g. all hydraulic oil filters, oil temperature indicator, coolant temperature and charge air cooler, coolant level, loading diesel particel filter), optic and audible warning until the pilot control is shut down or the engine power is reduced. Diagnostics for the individual sensors via the multifunction display. Rear view camera.
Sound Power Level	$L_{W(A)}$ = 101 dB(A) (guaranteed) in accordance with guideline 2000/14/EC, required in accordance with 2000/14/EC = 104 dB(A)

OFFICIAL HOMOLOGATION

Certification in accordance with CE guidelines

EQUIPMENT MHL364 E

DIESEL ENGINE

	STANDARD	OPTION
Exhaust gas turbocharger	●	
Intercooling	●	
Direct electronic fuel injection/Common Rail	●	
Automatic idle	●	
Engine pre-heating		●
Engine diagnostics interface	●	
Temperature-controlled fan drive	●	
Zyklon pre-separator for air-filter		●

UNDERCARRIAGE

Support blade on side of oscillating axle; integrated cylinder protection	●	
All-wheel drive	●	
Rear axle oscillating lock	●	
Special paint		●
Drum brakes	●	
Toolbox, small	●	
Toolbox, large		●
Access	●	
Fenders	●	
Additional support blade		●

UPPERCARRIAGE

Electrical refueling pump		●
Lighting protection		●
Maintenance hood, actuated by gas spring	●	
Lockable cleaning access openings on radiators	●	
Separate cooling systems	●	
Automatic central lubrication system	●	
Rear view camera	●	
Reversing alarm		●
Liquid intercooling, thermostatically controlled, separately driven	●	
Quick drain valve on diesel tank	●	
Quick drain valve on hydraulic oil tank	●	
Quick drain valve on water cooler	●	
Quick drain valve on engine-oil pan	●	
Reversible fan for engine and hydraulic oil cooler		●
Separate oil cooler with temperature controlled fan drive	●	

CAB

	STANDARD	OPTION
Air cushioned operator`s seat with low-frequency damping, headrest, safety belt and lumbar-support	●	
Seat heating with integrated a/c function		●
FOPS protective grating		●
Cab elevation, 0.4/0.8 m, rigid		●
Air conditioning	●	
Multi functional joysticks	●	
3-layer glass with protection film	●	
Armoured glas (windscreen and roof panel)		●
Powder fire extinguisher		●
Joystick steering	●	
Protective grills to front and roof (decoupled from the cab)	●	
Automatic engine shutdown		●
Rotating beacon		●
Voltage converter 12 V		●
12 V socket		●
Terex® Fuchs Telematics System		●
Sliding window in cab door	●	
Pre-heating system		●
Radio 24 V (CD)		●
Washer system installed underneath windscreen		●

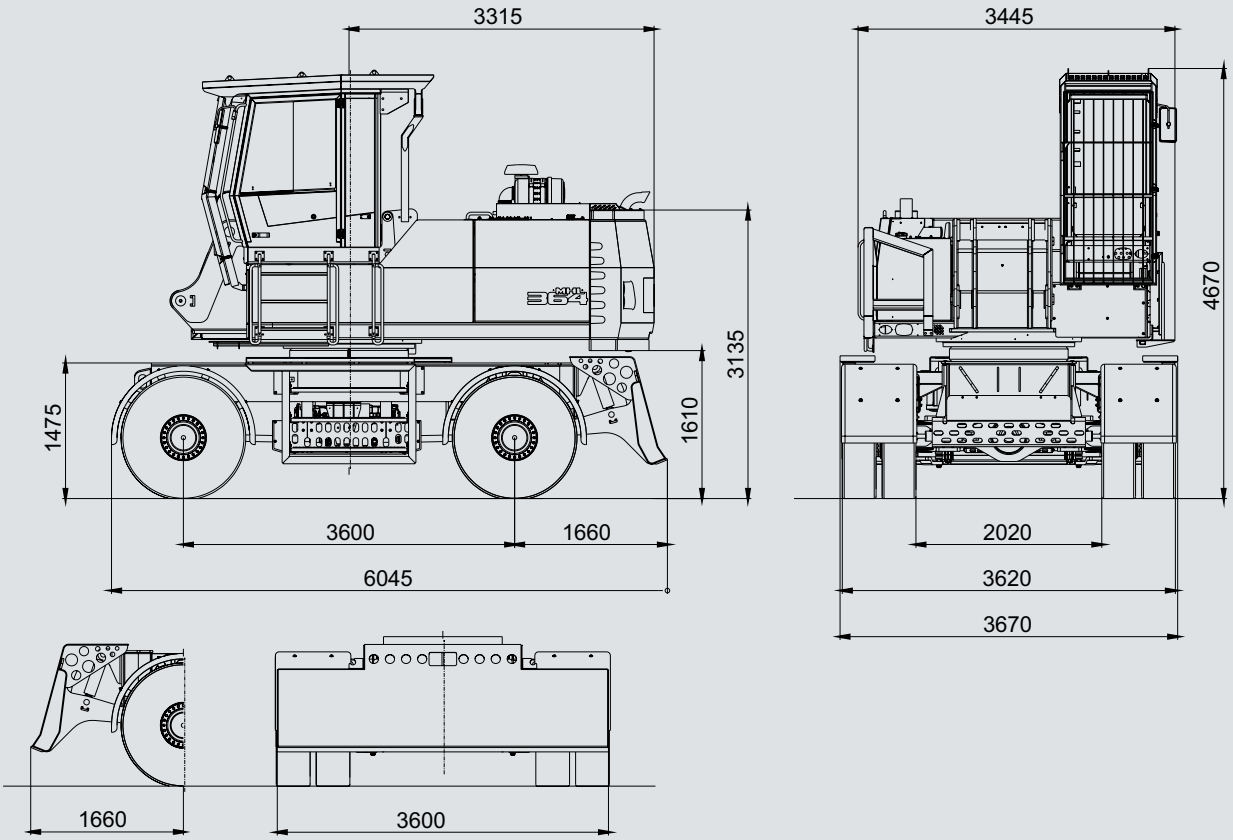
OTHER EQUIPMENT

2 × H3 headlamps at machine front for traveling	●	
3 × H3 / XENON / LED floodlights (2 on rear of machine, 1 right hand side)		●
Hydraulic oil preheating		●
Close-range limiter for dipper stick	●	
Thermostatic monitoring of coolant and hydraulic fluid temperatures	●	
Coolant and hydraulic oil level monitoring system	●	
Pipe break protection for stick cylinder		●
Pipe break protection for lift cylinder		●
Hydraulic cushioning system of the lift cylinders	●	
Lubrication of the grab suspension by the central lubrication system	●	
Grab connection to central lubrication system	●	
Overload warning/shut-off device		●
Quick-connect coupling on dipperstick	●	
H3 light packages		●
XENON light packages		●
LED light packages		●

Further optional equipment available on request!

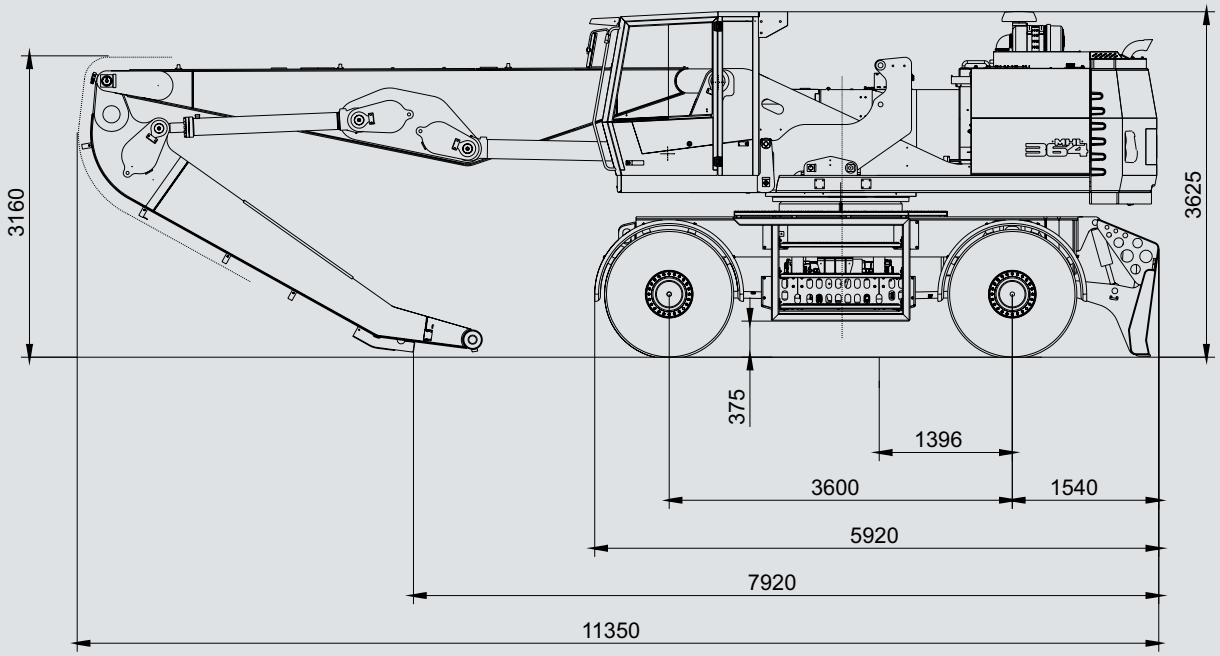
DIMENSIONS MHL364 E

All dimensions in mm



TRANSPORT DIMENSIONS MHL364 E

With dipper stick | All dimensions in mm



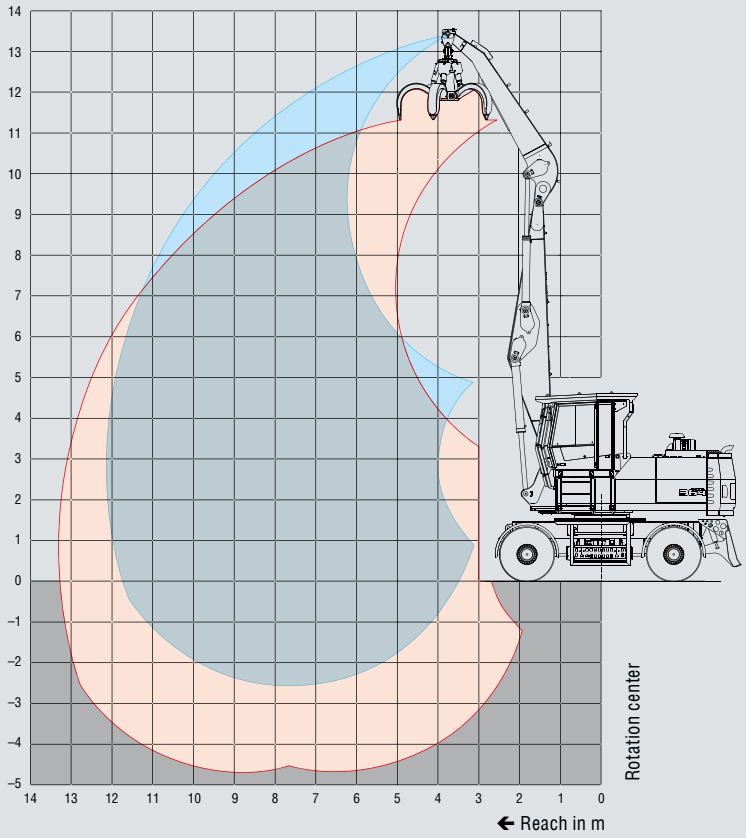
WORKING RANGES / CARRYING CAPACITY

REACH 12.1 M WITH DIPPER STICK

Loading equipment	Box-type boom 6.4 m Dipper stick 4.7 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	2.0–3.2 m² Depending on mission requirements



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 (...) ** values apply when support blade is on the back of the machine. The weights of the attached load hoisting equipment (grab, load hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]					
		4.5	6	7.5	9	10.5	12
12	not supported		13.1° (13.1°) (13.1°)**				
10.5	not supported			11.2 (13.1°) (13.1°)**			
9	not supported			11.2 (13.0°) (13.0°)**	8.5 (10.3) (11.3)**		
7.5	not supported		15.4 (15.4°) (15.4°)**	11.1 (13.2°) (13.2°)**	8.4 (10.3) (11.2)**	6.7 (8.1) (8.9)**	
6	not supported		15.1 (16.8°) (16.8°)**	10.8 (13.3) (13.9)**	8.3 (10.1) (11.1)**	6.6 (8.0) (8.8)**	
4.5	not supported	22.1 (26.3) (26.3)**	14.4 (18.1) (18.8)**	10.5 (12.9) (14.1)**	8.1 (9.9) (10.8)**	6.5 (7.9) (8.7)**	
3	not supported	20.3 (22.8) (22.8°)**	13.6 (17.2) (18.9°)**	10.0 (12.5) (13.7)**	7.8 (9.7) (10.6)**	6.4 (7.8) (8.6)**	5.3 (6.5) (7.1)**
1.5	not supported	10.8 (10.8) (10.8)**	13.0 (16.6°) (18.2°)**	9.7 (12.1) (13.3)**	7.6 (9.4) (10.4)**	6.3 (7.7) (8.5)**	5.3 (6.4) (7.0)**
0	not supported	11.4 (11.4) (11.4)**	12.7 (16.3) (17.9)**	9.5 (11.9) (13.1)**	7.5 (9.3) (10.3)**	6.2 (7.6) (8.4)**	
–1.5	not supported		12.7 (16.0°) (16.0°)**	9.4 (11.8) (12.6)**	7.5 (9.3) (9.8)**	6.2 (6.9) (6.9)**	
							Max. Reach 12.12 m
2.9	not supported						5.2 (6.4) (6.4)**

TECHNICAL DATA MHL350 E HD

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL350 E HD	35.8–39.6 t

DIESEL ENGINE

Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder inline engine
Engine control	EEC IV
Combustion	4-stroke diesel, common rail open-combustion-chamber injection, turbocharger, controlled exhaust gas recirculation, diesel particle filter with automatic regeneration
Engine output	160 kW
Nominal speed	2000 rpm
Displacement	6.1 l
Cooling system	Coolant and charge air cooling, with temperature controlled fan speed
Emission standard	III C / EPA IV interim
Air filter type	Two-stage filter with relief valve

ELECTRICAL SYSTEM

Operating voltage	24 V
Battery	2 x 12 V / 100 Ah / 760 A (as per EN)
Generator	28 V / 100 A
Starter	24 V / 4.0 kW
Lighting system	1 × H3 headlamp on uppercarriage 1 × H3 headlamp on cab floor rear marker lights and flashers: optional additional working floodlights H3 / LED / XENON

HYDRAULIC SYSTEM

Main pump	Adjustable double displacement pump in an open circuit
Pump capacity	2 × 330 l/min
Operating pressure	max. 355 bar
Auxiliary pumps	Gear pumps in the open circuit for supplying auxiliary loads.
Oil cooler	Fan speed thermostatically controlled
Hydraulic oil filter	Return line filter, bypass flow filter for working equipment optional

TRANSMISSION

Variable speed hydraulic motor with travel brake valve. 2-speed power shift transmission; 4-wheel drive.

Travel speed	1st gear: max. 4 km/h 2nd gear: max. 16 km/h
Max. traction force	158 kN
Turning radius	9.5 m

SLEWING GEAR

Slewing ring with inner gear teeth. Drive via planetary gears. Integrated disk brakes, electrically powered

Uppercarriage swing speed	0–7 rpm
Swing range	360° unrestricted
Max. torque	80 kNm

UNDERCARRIAGE

Front axle	Planetary steering drive axle with integrated wet, maintenance-free multi-disk brakes, with self-aligning bearing and switchable locking mechanism, max. steering angle 30°
Rear axle	Planetary drive axle with integrated wet, maintenance-free multi-disk brakes, rigid mounting
Outriggers	4-point outrigger
Tires	Depending on the model: Single pneumatic tire

BRAKES

Service brake	Hydraulically operated dual-circuit service braking system with multi-disk brakes. Third-party braking system actuated by pedal, applied to all four wheels, lockable
Parking brake	Electrically/hydraulically actuated, integrated in power shift transmission

OPERATOR'S CAB

Elastically supported, infinitely variable hydraulically height-adjustable with max. eye level of 5.6 m. Sound-insulated; heat-insulating glass panoramic windows for optimum all-around view; windshield with pull-down sunblind that slides under the cab roof; viewing window on cab roof; sliding window in cab door; height and tilt-adjustable steering column

Heating	Hot water heating with variable temperature setting and multi-level blower, adjustable defroster nozzles
Air conditioning system	Automatic air conditioning, reheating function
Operator`s seat	Air-cushioned comfort seat with integrated headrest, safety belt and lower lumbar support, with integrated air conditioning. Multi adjustable seat provides comfortable operation and access to controls.
Monitoring	Ergonomically positioned, glare resistant instrument cluster, multifunction display, automatic monitoring and saving functions for deviating operating conditions (e.g. all hydraulic oil filters, oil temperature indicator, coolant temperature and charge air cooler, coolant level, loading diesel particel filter), optic and audible warning until the pilot control is shut down or the engine power is reduced. Diagnostics for the individual sensors via the multifunction display, Rear view camera
Sound Power Level	$L_{W(A)}$ = 101 dB(A) (guaranteed) in accordance with guideline 2000/14/EC, required in accordance with 2000/14/EC = 104 dB(A)

OFFICIAL HOMOLOGATION

Certification in accordance with CE guidelines

EQUIPMENT MHL350 E HD

DIESEL ENGINE

	STANDARD	OPTION
Exhaust gas turbocharger	●	
Intercooling	●	
Direct electronic fuel injection / Common Rail	●	
Automatic idle	●	
Engine pre-heating		●
Engine diagnostics interface	●	
Temperature-controlled fan drive	●	
Zyklon pre-separator for air-filter		●

UNDERCARRIAGE

	STANDARD	OPTION
All-wheel drive	●	
All wheel drive with differential	●	
2-speed manual transmission	●	
2-speed powershift transmission		●
4-point outriggers	●	
4-point outriggers, individually controllable		●
Rear axle oscillating lock	●	
Drum brakes	●	
Dozer blade in addition to the 4-point outrigger		●
Plastic or HARDOX scraper bars		●
Toolbox		●
Access	●	

UPPERCARRIAGE

	STANDARD	OPTION
Electrical refueling pump		●
Lighting protection		●
Maintenance hood, actuated by gas spring	●	
Lockable cleaning access openings on radiators	●	
Separate cooling system for ambient temperatures up to 50° C	●	
Central lubrication system, automatic	●	
Rear view camera	●	
Drive alarm with flashing beacon		●
Quick drain valve on diesel tank	●	
Quick drain valve on hydraulic oil tank	●	
Quick drain valve on water cooler	●	
Quick drain valve on engine-oil pan	●	
Reversible fan for engine and hydraulic oil cooler		●
Separate oil cooler with temperature controlled fan drive	●	

CAB

	STANDARD	OPTION
Cab elevation system	●	
Air cushioned operator`s seat with low-frequency damping, headrest, safety belt and lumbar-support	●	
Seat heating with integrated a/c function		●
FOPS protective grating		●
Air conditioning	●	
Multi functional joysticks	●	
Armoured glas (windscreen and roof panel)		●
3-layer glass with protection film	●	
Powder fire extinguisher		●
Joystick steering		●
Protective grills to front and roof	●	
Automatic engine shutdown		●
Rotating beacon		●
Voltage converter 12 V		●
12 V socket		●
Terex® Fuchs Telematics System		●
Sliding window in cab door	●	
Pre-heating system		●
Radio 24 V (CD)		●
Washer system installed underneath windscreen	●	

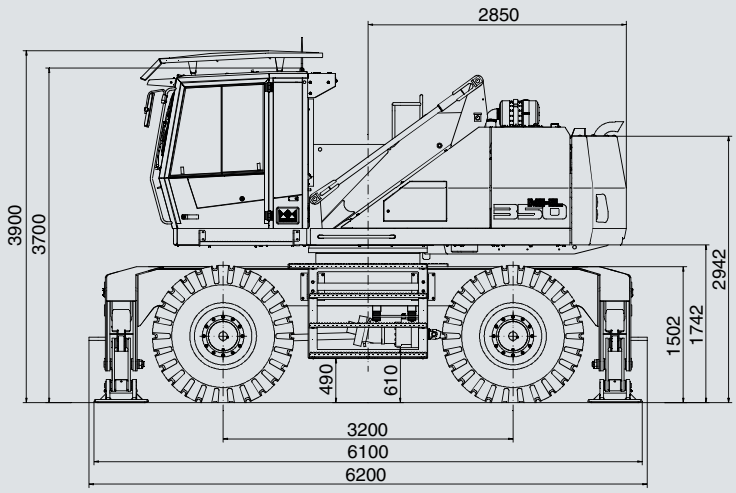
OTHER EQUIPMENT

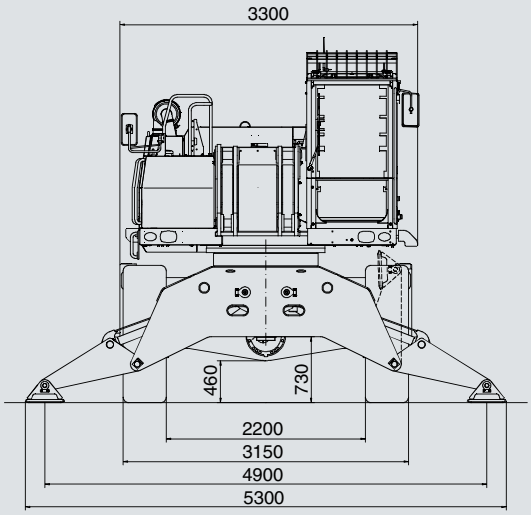
2 × H3 headlamps at machine front for traveling	●	
3 × H3 / XENON / LED floodlights (2 on rear of machine, 1 right hand side)		●
Hydraulic oil preheating		●
Close-range limiter for dipper stick	●	
Thermostatic monitoring of coolant and hydraulic fluid temperatures	●	
Coolant and hydraulic oil level monitoring system	●	
Pipe break protection for stick cylinder		●
Pipe break protection for lift cylinder		●
Hydraulic cushioning system of the lift cylinders	●	
Lubrication of the grab suspension by the central lubrication system	●	
Grab connection to central lubrication system	●	
Overload warning/shut-off device		●
Quick-connect coupling on dipperstick	●	
H3 light packages		●
XENON light packages		●
LED light packages		●

Further optional equipment available on request!

DIMENSIONS MHL350 E HD

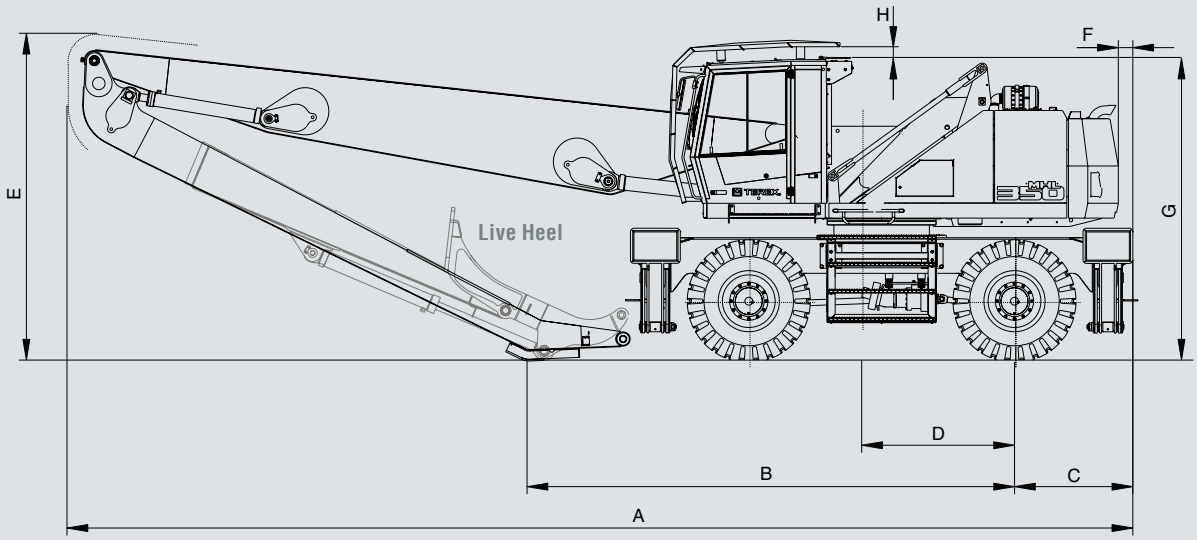
All dimensions in mm





TRANSPORT DIMENSIONS MHL350 E HD

All dimensions in mm



Dimensions	Reach 14.0 m Dipper stick	Reach 15.0 m Dipper stick	Reach 16.0 m Dipper stick	Reach 12.6 m Live Heel
A	11,700 mm	12,710 mm	12,840 mm	11,700 mm
B	5,490 mm	6,690 mm	5,870 mm	5,625 mm
C	1,425 mm	1,425 mm	1,425 mm	1,425 mm
D	1,685 mm	1,720 mm	1,840 mm	1,784 mm
E	3,380 mm	3,370 mm	3,950 mm	3,380 mm
F	175 mm	175 mm	175 mm	175 mm
G	3,667 mm	3,670 mm	3,670 mm	3,667 mm
H	193 mm	230 mm	230 mm	193 mm

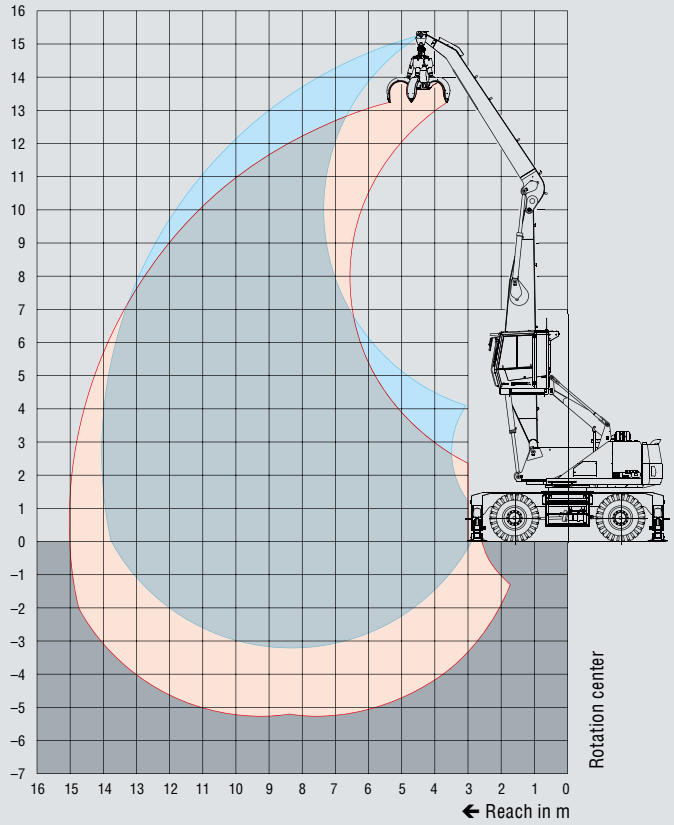
WORKING RANGES / CARRYING CAPACITY

REACH 14 M WITH DIPPER STICK

Loading equipment	Box-type boom 7.3 m Dipper stick 6.2 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	1.75–2.5 m² Depending on mission requirements



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 hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]							
		3	4.5	6	7.5	9	10.5	12	13.5
13.5	not supported				(4.6°)				
	4-point supported				4.6° (4.6°)				
12	not supported				(6.0°)	(4.7°)			
	4-point supported				6.0° (6.0°)	4.7° (4.7°)			
10.5	not supported				(6.8°)	(5.9°)	(4.4°)		
	4-point supported				6.8° (6.8°)	5.9° (5.9°)	4.4° (4.4°)		
9	not supported				(7.5°)	(6.2)	(4.8)	(3.5°)	
	4-point supported				7.5° (7.5°)	6.8° (6.8°)	5.6° (5.6°)	3.5° (3.5°)	
7.5	not supported				(8.0°)	(6.1)	(4.8)	(3.8)	
	4-point supported				8.0° (8.0°)	7.1° (7.1°)	6.4° (6.4°)	4.8° (4.8°)	
6	not supported			(9.5°)	(7.9)	(6.0)	(4.7)	(3.7)	(2.7°)
	4-point supported			9.5° (9.5°)	8.5° (8.5°)	7.4° (7.4°)	6.5° (6.5°)	5.8° (5.8°)	2.7° (2.7°)
4.5	not supported		(12.6°)	(10.7)	(7.6)	(5.7)	(4.5)	(3.7)	(3.0)
	4-point supported		12.6° (12.6°)	11.3°(11.3°)	9.2° (9.2°)	7.7° (7.7°)	6.7° (6.7°)	5.9° (5.9°)	3.7° (3.7°)
3	not supported		(15.4)	(9.9)	(7.2)	(5.5)	(4.4)	(3.6)	(3.0)
	4-point supported		18.1° (18.1°)	12.7° (12.7°)	9.8° (9.8°)	8.1° (8.1°)	6.8° (6.8°)	5.9° (5.9°)	4.2° (4.2°)
1.5	not supported		(8.0°)	(9.2)	(6.8)	(5.2)	(4.2)	(3.5)	(2.9)
	4-point supported		8.0° (8.0°)	13.5° (13.5°)	10.3° (10.3°)	8.3° (8.3°)	6.9° (6.9°)	5.8° (5.8°)	4.3° (4.3°)
0	not supported	(2.8°)	(5.8)	(8.8)	(6.5)	(5.1)	(4.1)	(3.4)	(2.9)
	4-point supported	2.8° (2.8°)	5.8° (5.8°)	13.4° (13.4°)	10.2° (10.2°)	8.2° (8.2°)	6.7° (6.7°)	5.5° (5.5°)	3.8° (3.8°)
–1.5	not supported		(5.8°)	(8.6)	(6.3)	(4.9)	(4.0)	(3.4)	
	4-point supported		5.8° (5.8°)	11.4° (11.4°)	9.7° (9.7°)	7.7° (7.7°)	6.2° (6.2°)	4.9° (4.9°)	
–3	not supported				(6.3)	(4.9)			
	4-point supported				8.4° (8.4°)	6.7° (6.7°)			
									Max. Reach 14 m
2.7	not supported								(2.4)
	4-point supported								2.4° (2.4°)

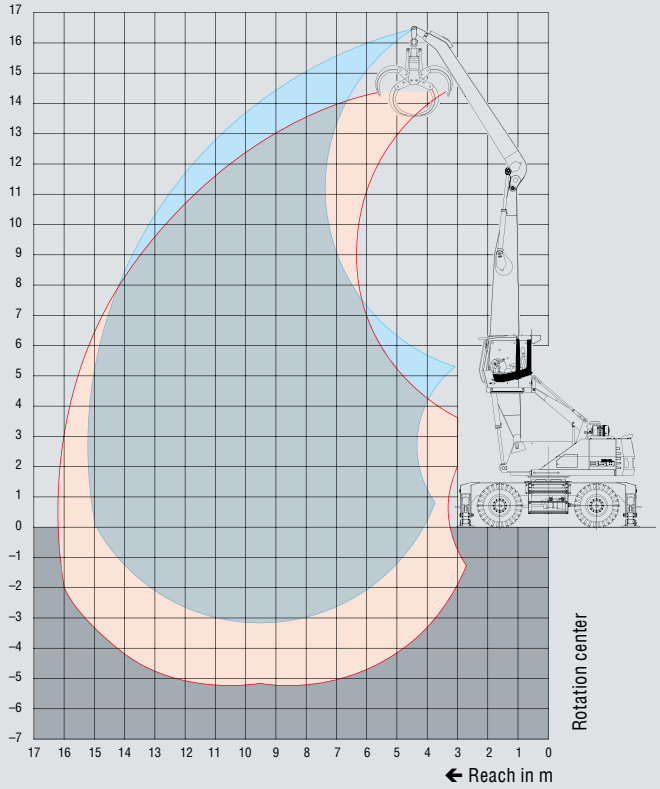
WORKING RANGES / CARRYING CAPACITY

REACH 15 M WITH DIPPER STICK

Loading equipment	Box-type boom 8.5 m Dipper stick 6.2 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	1.75–2.5 m² Depending on mission requirements



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 hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]							
		4.5	6	7.5	9	10.5	12	13.5	15
15	not supported			(5.2°)					
	4-point supported			5.2° (5.2°)					
13.5	not supported			(6.9°)	(5.6°)				
	4-point supported			6.9° (6.9°)	5.6° (5.6°)				
12	not supported			(7.9°)	(6.2)	(4.7)			
	4-point supported			7.9° (7.9°)	6.9° (6.9°)	5.5° (5.5°)			
10.5	not supported			(8.4)	(6.2)	(4.8)	(3.7)		
	4-point supported			8.6° (8.6°)	7.7° (7.7°)	6.8° (6.8°)	4.9° (4.9°)		
9	not supported			(8.3)	(6.1)	(4.7)	(3.7)	(3.0)	
	4-point supported			9.0° (9.0°)	7.9° (7.9°)	7.0° (7.0°)	6.3° (6.3°)	3.6° (3.6°)	
7.5	not supported			(8.0)	(6.0)	(4.6)	(3.7)	(3.0)	
	4-point supported			9.5° (9.5°)	8.2° (8.2°)	7.2° (7.2°)	6.2 (6.4°)	5.1° (5.1°)	
6	not supported	(13.1°)	(10.9)	(7.6)	(5.7)	(4.5)	(3.6)	(2.9)	
	4-point supported	13.1° (13.1°)	12.5° (12.5°)	10.1° (10.1°)	8.5° (8.5°)	7.4° (7.4°)	6.1 (6.5°)	5.1 (5.8°)	
4.5	not supported	(15.6)	(10.0)	(7.1)	(5.4)	(4.3)	(3.4)	(2.8)	(2.4)
	4-point supported	19.8° (19.8°)	13.9° (13.9°)	10.8° (10.8°)	8.9° (8.9°)	7.3 (7.6°)	6.0 (6.6°)	5.0 (5.7°)	3.2° (3.2°)
3	not supported	(6.3°)	(9.0)	(6.6)	(5.1)	(4.1)	(3.3)	(2.8)	(2.3)
	4-point supported	6.3° (6.3°)	15.0° (15.0°)	11.4° (11.4°)	9.0 (9.2°)	7.1 (7.7°)	5.8 (6.6°)	4.9 (5.7°)	3.7° (3.7°)
1.5	not supported	(4.1°)	(8.3)	(6.2)	(4.8)	(3.9)	(3.2)	(2.7)	(2.3)
	4-point supported	4.1° (4.1°)	11.8° (11.8°)	11.4 (11.6°)	8.7 (9.3°)	6.9 (7.7°)	5.7 (6.5°)	4.8 (5.5°)	3.7° (3.7°)
0	not supported	(4.4°)	(8.0)	(5.9)	(4.6)	(3.8)	(3.1)	(2.6)	
	4-point supported	4.4° (4.4°)	9.0° (9.0°)	11.1 (11.3°)	8.5 (9.1°)	6.8 (7.5°)	5.6 (6.3°)	4.8 (5.2°)	
−1.5	not supported		(7.9)	(5.8)	(4.5)	(3.7)	(3.1)	(2.6)	
	4-point supported		8.7° (8.7°)	10.4° (10.4°)	8.3 (8.5°)	6.7 (7.0°)	5.6 (5.8°)	4.6° (4.6°)	
−3	not supported				(4.5)				
	4-point supported				7.4° (7.4°)				

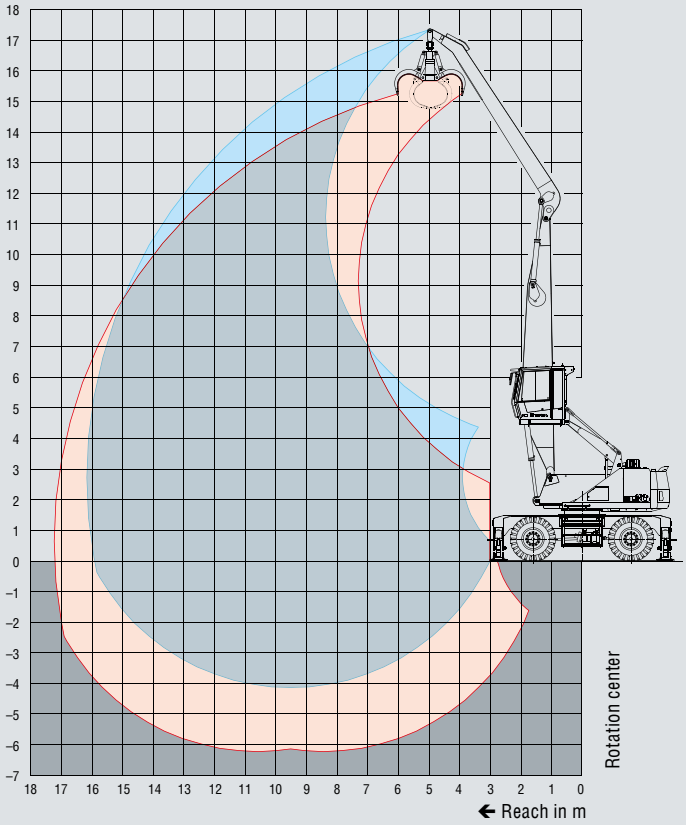
WORKING RANGES / CARRYING CAPACITY

REACH 16 M WITH DIPPER STICK

Loading equipment	Box-type boom 8.5 m Dipper stick 7.2 m Cactus grab

RECOMMENDED ATTACHMENTS

Grab size	1.75–2.5 m² Depending on mission requirements



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 hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]							
		4.5	6	7.5	9	10.5	12	13.5	15
15	not supported			(4.9°)	(3.7°)				
	4-point supported			4.9° (4.9°)	3.7° (3.7°)				
13.5	not supported				(4.9°)	(3.8°)			
	4-point supported				4.9° (4.9°)	3.8° (3.8°)			
12	not supported				(5.5°)	(4.7°)	(3.5)		
	4-point supported				5.5° (5.5°)	4.7° (4.7°)	3.5° (3.5°)		
10.5	not supported				(6.0°)	(4.9)	(3.8)	(2.9°)	
	4-point supported				6.0° (6.0°)	5.5° (5.5°)	4.5° (4.5°)	2.9° (2.9°)	
9	not supported				(6.3°)	(4.8)	(3.8)	(3.0)	
	4-point supported				6.3° (6.3°)	5.6° (5.6°)	5.1° (5.1°)	3.9° (3.9°)	
7.5	not supported			(7.4°)	(6.1)	(4.7)	(3.7)	(3.0)	(2.4)
	4-point supported			7.4° (7.4°)	6.5° (6.5°)	5.7° (5.7°)	5.1° (5.1°)	4.6° (4.6°)	2.7° (2.7°)
6	not supported			(7.9°)	(5.8)	(4.5)	(3.6)	(2.9)	(2.4)
	4-point supported			7.9° (7.9°)	6.8° (6.8°)	5.9° (5.9°)	5.2°(5.2°)	4.6° (4.6°)	3.5° (3.5°)
4.5	not supported	(11.9°)	(10.4)	(7.3)	(5.5)	(4.3)	(3.4)	(2.8)	(2.3)
	4-point supported	11.9° (11.9°)	10.8° (10.8°)	8.5° (8.5°)	7.1° (7.1°)	6.1° (6.1°)	5.3° (5.3°)	4.6° (4.6°)	4.0°(4.0°)
3	not supported	(14.5)	(9.4)	(6.7)	(5.1)	(4.1)	(3.3)	(2.7)	(2.3)
	4-point supported	17.2° (17.2°)	11.8° (11.8°)	9.1° (9.1°)	7.4° (7.4°)	6.2° (6.2°)	5.3°(5.3°)	4.6° (4.6°)	4.0°(4.0°)
1.5	not supported	(4.8°)	(8.4)	(6.2)	(4.8)	(3.8)	(3.1)	(2.6)	(2.2)
	4-point supported	4.8° (4.8°)	12.4° (12.4°)	9.4° (9.4°)	7.5° (7.5°)	6.3° (6.3°)	5.3° (5.3°)	4.5°(4.5°)	3.8° (3.8°)
0	not supported	(3.8°)	(7.8)	(5.8)	(4.5)	(3.7)	(3.0)	(2.5)	(2.2)
	4-point supported	3.8° (3.8°)	8.6° (8.6°)	9.4° (9.4°)	7.5° (7.5°)	6.2° (6.2°)	5.2° (5.2°)	4.4° (4.4°)	3.6° (3.6°)
−1.5	not supported	(4.0°)	(7.1°)	(5.5)	(4.3)	(3.5)	(2.9)	(2.5)	(2.1)
	4-point supported	4.0° (4.0°)	7.1° (7.1°)	8.9° (8.9°)	7.2° (7.2°)	5.9° (5.9°)	4.9° (4.9°)	4.0° (4.0°)	3.1° (3.1°)
−3	not supported		(6.9°)	(5.4)	(4.2)	(3.5)	(2.9)		
	4-point supported		6.9° (6.9°)	8.0° (8.0°)	6.5° (6.5°)	5.3°(5.3°)	4.4° (4.4°)		
									Max. Reach 16.1 m
2.7	not supported								(2.0°)
	4-point supported								2.0° (2.0°)

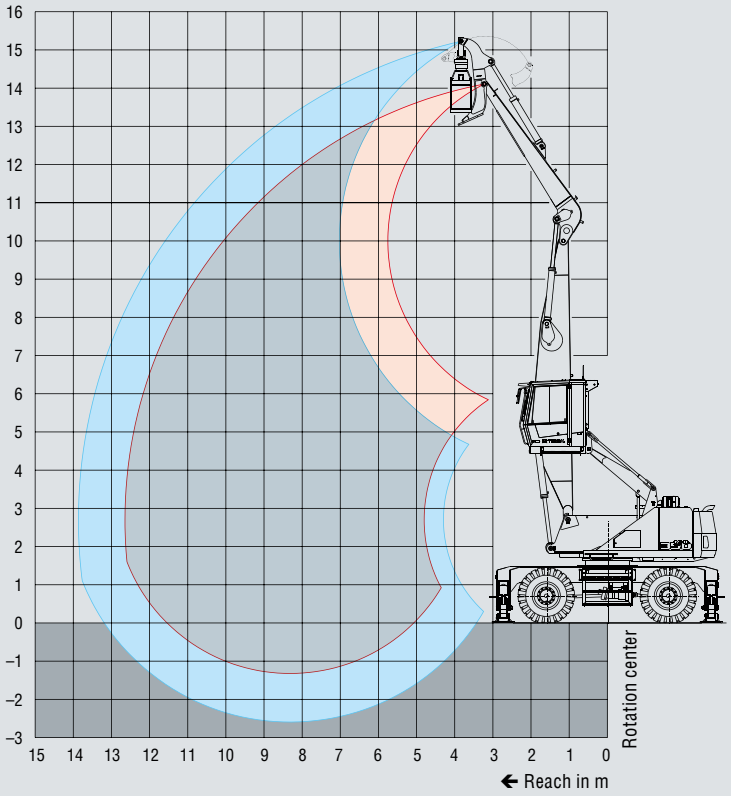
WORKING RANGES / CARRYING CAPACITY

REACH 12.6 M WITH LIVE HEEL STICK

Loading equipment	Box-type boom 7.3 m Dipper stick 4.6 m Live Heel Boom

RECOMMENDED ATTACHMENTS

Grab size	1.75–2.5 m² Depending on mission requirements



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 hooks, etc.) must be deducted from the lift capacity values. The working load of the lifting device must be observed. In accordance with EU Standard EN 474-5 for object handling applications 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 outrigger	Reach [m]					
		4.5	6	7.5	9	10.5	12
13.5	not supported	(7.5°)					
	4-point supported	7.5° (7.5°)					
12	not supported		(7.9°)	(5.5°)			
	4-point supported		7.9° (7.9°)	5.5° (5.5°)			
10.5	not supported		(9.0°)	(7.3)	(5.3)		
	4-point supported		9.0° (9.0°)	7.9° (7.9°)	5.5° (5.5°)		
9	not supported		(9.5°)	(7.3)	(5.3)	(4.0)	
	4-point supported		9.5° (9.5°)	8.0° (8.0°)	6.9° (6.9°)	4.3° (4.3°)	
7.5	not supported		(10.0°)	(7.2)	(5.2)	(4.0)	
	4-point supported		10.0° (10.0°)	8.2° (8.2°)	7.0° (7.0°)	6.1° (6.1°)	
6	not supported	(14.8°)	(10.0)	(6.9)	(5.1)	(3.9)	(3.0)
	4-point supported	14.8° (14.8°)	10.9° (10.9°)	8.7° (8.7°)	7.2° (7.2°)	6.1° (6.1°)	3.8° (3.8°)
4.5	not supported	(14.7)	(9.3)	(6.5)	(4.9)	(3.8)	(3.0)
	4-point supported	17.6° (17.6°)	12.0° (12.0°)	9.2° (9.2°)	7.4° (7.4°)	6.2° (6.2°)	5.1° (5.1°)
3	not supported		(8.7)	(6.2)	(4.7)	(3.7)	(2.9)
	4-point supported		12.8° (12.8°)	9.6° (9.6°)	7.6° (7.6°)	6.2° (6.2°)	4.9° (4.9°)
1.5	not supported		(8.2)	(5.9)	(4.5)	(3.6)	(2.9)
	4-point supported		12.2° (12.2°)	9.5° (9.5°)	7.5° (7.5°)	5.9° (5.9°)	4.6° (4.6°)
0	not supported		(8.1)	(5.8)	(4.4)	(3.5)	
	4-point supported		9.6° (9.6°)	8.9° (8.9°	7.0° (7.0°)	5.4° (5.4°)	
–1.5	not supported			(5.7)	(4.4)		
	4-point supported			7.6° (7.6°)	6.0° (6.0°)		

MODULAR SYSTEM

Attachments

furthermore

Cactus grab

Sorting grapple

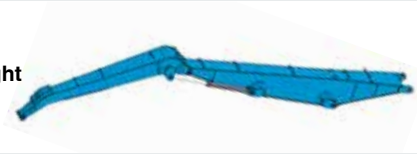
Load hook

Timber grab

Magnetic plate

Work equipment

Work equipment straight



Work equipment with multipurpose stick

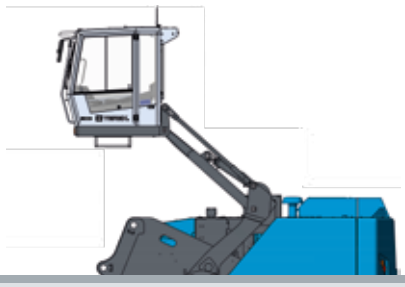
Uppercarriage

Rigid cab system

Viewing height: max. 4 m

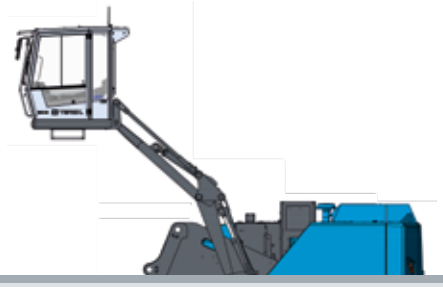
Cab system hydraulically adjustable

Viewing height: max. 6.1 m



Cab system vertically and horizontally adjustable

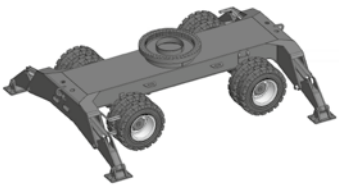
Viewing height: max. 6.1 m and 2.2 m



Undercarriage

Mobile: 1 support blade

Mobile: 2 support blades



Mobile special: HD-Undercarriage

Timberpackage

Site protection guard

Cab protection guard

Lifting cylinder guard

furthermore

Side camera

Actimo XXL seat

Additional lights

SMART SOLUTIONS FOR HIGHER SAFETY AND MORE EFFICIENCY IN TIMBER HANDLING

Fatigue-proof working

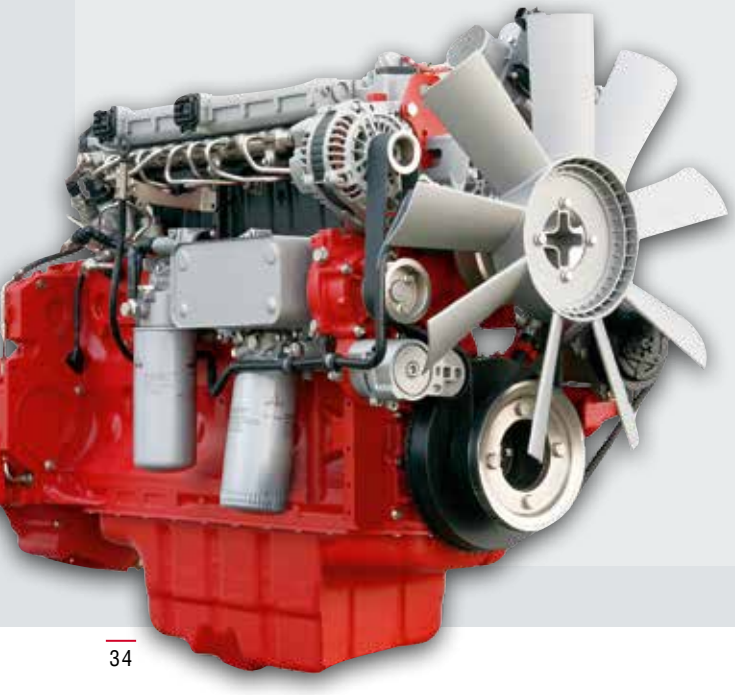
- Ergonomically designed, well planned interior
- Comfortable orthopedically supportive air cushioned seat
- Intuitive machine controls – simple-to-operate joystick, direct access to key functions

Everything at a glance

- Large, easy to scan color-display
- Servicing and maintenance made easier via rapid screening of all operationally relevant data
- Comfortable user-interface with intuitively understandable symbols and simple text messages

Powerful performance

- Turbo-charged Deutz engine
- Low noise levels during operation
- Optimum performance utilization in every speed range
- Low emission, meeting latest standards



Better view as standard

- Standard equipment: the rear-view camera provides a wide-angle view of the area behind the machine

Constant cooling

- The cooling system with two physically separated radiators keeps the operating temperature of the machine, especially at high ambient temperatures, at an ideal level
- The radiators are designed for easy maintenance and are quick and safe to clean

Running smoothly

- The automatic central lubrication system on the uppercarriage ensures that the loading equipment and slewing ring are evenly supplied with a predefined quantity of lubricant at precisely determined intervals.
- This improves the productivity of the machines, reduces repair and replacement part costs as a result of lubrication-related bearing failure, and most of all reduces costly service downtimes.

Higher safety through side camera

- An optional side camera provides a wide-angle view of the area on the right side of the machine
- Significant contribution to safety, especially where space to manoeuvre is limited

Well protected

- Robust protection guards – provide perfect protection to hydraulic pipes of both lifting cylinders
- Increased physical security

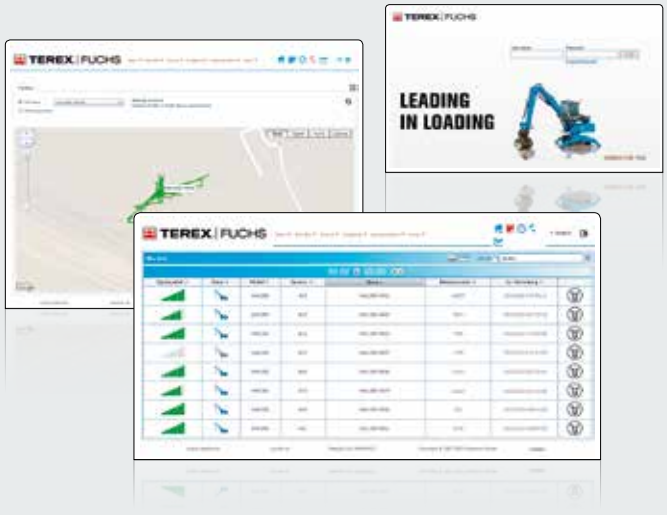
TEREX | FUCHS
Telematics SYSTEM
CONNECTS FOR YOU

GET A HANDLE ON FLEET MANAGEMENT

TEREX® FUCHS TELEMATICS SYSTEM: RECOGNIZE AND OPTIMIZE POTENTIAL

The Terex® Fuchs Telematics system: know exactly how and where everything is running. The Terex® Fuchs Telematics system offers a modern solution to help you analyze and optimize the efficiency of your machines. The Terex® Fuchs Telematics system records and communicates valuable information on the operating status of each individual machine. Where are the machines? How are they working? Is a service check pending? Take advantage of this advanced software and get a handle on your fleet management with the tool that connects for you.

ALL-IN-ONE MACHINE MANAGEMENT
EVERYTHING AT A GLANCE: OPERATING DATA, MACHINE STATUS, GPS DATA



Record, display, and analyse data: high efficiency through precise information

- Available online anywhere and at any time*: comprehensive information on the GPS location, start and stop times, fuel consumption, operating hours, maintenance status, and much more.
- User-friendly interface: displays information clearly for at a glance metrics and diagnostics. Take action before damage occurs: predetermined maintenance intervals are signaled and error messages are displayed in plain text messages.
- The Terex® Fuchs Telematics system is optionally available or can be retrofitted into existing machines to help control your operating costs and keep your machines in top shape.

* Internet connection required

www.terex-fuchs.com

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WORKS FOR YOU.