

TWH215 · TWH220
TWH224 · TWH226

TEREX WASTE HANDLERS



OVERVIEW



TWH215

Greater mobility and more flexibility

Service weight: 14.0–15.5 t
Engine power: 85kW
Reach: 8.8m

06



TWH220

Outstanding visibility and performance

Service weight: 17.8–19.0 t
Engine power: 85kW
Reach: 9.2m

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TWH224

The all-rounder,
incorporating turbo efficiency

Service weight: 23.0–25.7 t
Engine power: 115kW
Reach: 10.7m

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TWH226

Greater reach. Higher load capacity.
Higher speeds.

Service weight: 24.0–26.7 t
Engine power: 115kW
Reach: 10.7m

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COMPLETE RECYCLING SOLUTIONS

Introduction

Terex® Environmental Equipment is the complete solutions provider for the waste processing and recycling industry. The market leading product offering of Waste Handlers, Slow speed Shredders, High Speed grinders, Biomass chippers, Trommels & Recycling screens ensures customers have the best possible equipment to deal with waste materials.

Unique design features and improved operating efficiency guarantee outstanding productivity and cost effective material processing. World class training and aftermarket support make Terex® Environmental Equipment your reliable partner when developing and optimising your business needs.



TEEvolution

TEEvolution by Terex® Environmental Equipment is a program that incorporates higher performance and higher efficiency products with reduced noise emissions and measures that make the products overall more efficient to use.

The rewards for our customers are:

- Efficient Hydrostatic & Hydraulic Systems
- User friendly machine control systems with advanced technology
- Marketing leading serviceability and access

DYNAMIC DUO FOR HIGH-CLASS RECYCLING PROCESSES



COMPLETE RECYCLING SOLUTIONS

PROFICIENT HANDLERS INCREASE YOUR RECYCLING TURNOVER

Efficiency, durability and dependability: the customers' choice when it comes to mobile waste handlers deployed in the recycling industry. Terex® Environmental Equipment machines offer everything that's needed for effective, high-volume handling on open terrain or in an indoor setting. Offering stability and a high load capacity even when operated within an extended work radius; loading hydraulics that are beautifully smooth, yet precise and swift; structural robustness and engines that are as powerful as they are economical – these machines boast features that are now intrinsic to recycling plants. Generously proportioned fuel tanks, extremely durable components and extended service intervals ensure that the machines' productivity is maximised.





GREATER MOBILITY AND MORE FLEXIBILITY

Robustness does not necessarily have to do with size, this states the compact and very agile TWH215. It is the uncompromising response to the ever increasing demands of the recycling industry.

TWH215



Key Features



Deutz diesel engine with 85 kW power

- Increased performance with lower fuel consumption – this combination pays off
- The diesel particle filter (DPF) fitted as standard is state of the art and provides a significantly improved working environment, which benefits both on-site personnel as well as the environment



Transmission shaft protection kit

- Metal protection kit for both transmission shafts
- Avoids loose material being wrapped
- Protection against blocking of transmission shaft



Reversing camera and travel alarm

- Standard camera (with night vision function) offers significant advantages for safety and comfort
- The travel alarm warns people close to the vehicle with an acoustic signal; it is activated automatically once the machine starts to drive



Tail radius

- The tail radius is smaller than the support area which reduces the danger of collisions



For inside and outside, efficient and agile

TWH215 is the smallest material handling machine within the recycling industry which meets the challenges and conditions that exist in the recycling sector.

In spite of its compact design, the TWH215 offers operators an excellent viewing level. The cab can be raised hydraulically to a viewing level of 5.20m. This gives operators an unrivalled view into shredders and containers. In order to accommodate the typically diverse conditions in the recycling sector, Terex® Environmental Equipment offers modular design system. 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: 4-point stabilizers or 2-point stabilizers with support blade. This enables the TWH215 to adapt to individual requirements on site both reliably and precisely. 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 TWH215 a top material handler for recycling, with an outstanding price / performance ratio.



Reinforced tires

- The tires, specifically tailored to the TWH215, feature exceptionally rigid side walls for additional stability – even when operating without static supports

High performance cooling system

- The optional cooling system with two physically separated radiators keeps the operating temperature of the machine at an ideal level – an important feature in recycling sheds with high dust loads. The radiators are designed for easy maintenance and are quick and safe to clean.

Technical Data

Service weight without attachments

TWH215	14.0–15.5 t
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Diesel engine

Manufacturer and model	Deutz TCD3.6 L4 with DPF
Design	4-cylinder in-line engine
Type	4 stroke. common rail injection
Engine power	85 kW (116 HP)
Nominal speed	2.000 rpm
Displacement	3.6 l
Cooling System	Water cooled
Exhaust gas standard	COM III B/ EPA Tier IV interim
Air filter design	Two-stage filter with safety cartridge and pre-separator with discharge valve
Usable tank capacity	240 l

Electrical system

Alternator	14 V / 95 Ah
Starter	12 V / 3.1 kW
Operating voltage	12 V
Battery	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

Travel speed 1st gear	max. 6 km/h
Travel speed 2nd gear	max. 20 km/h
Turning radius	7.0 m

Slewing gear

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

Swing speed	0–10 rpm
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Undercarriage

Front axle	Planetary drive axle with integrated drum brake. rigidly mounted. max. steering angle 30°
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
Outrigger	4-point stabilizers or 2-point stabilizers with support blade
Tires	Solid rubber tires 8x 10.00-20
Service brake	Hydraulic single-circuit braking system acting on all wheel pairs (drum brakes)

Hydraulic system

Travel hydraulics	Closed circuit independent from working hydraulics
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Pump capacity max.	180 l/min
Working pressure max.	420 bar

Working hydraulics: 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.

Pump capacity max.	190 l/min
Working pressure max.	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.

Pump capacity max.	76 + 38 l/min
Working pressure max.	230 bar

Hydraulic system	190 l
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Cabin

Spacious, sound-insulated full vision steel cab (ROPS certified). Sliding window in cab door. Thermo windows tinted in green. Skylight thermo window bronze tinted. Large 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. Safety belt.

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

Working flood lights H3

Sound level values in compliance with EC directives

Specification subject to change without notice.

Equipment

Diesel engine	Standard	Option
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 support blade*		●
Enlargement kit for support blade		●
Tires mudguard		●
All wheel drive	●	
Piston rod protection for stabilizer cylinders	●	
Protection kit for transmission shaft		●
Rear axle oscillating lock	●	
Drum brake	●	
Solid rubber tires 8× 10.00-20 (MAGNA)	●	
Tool box		●
Central grease nipple		●

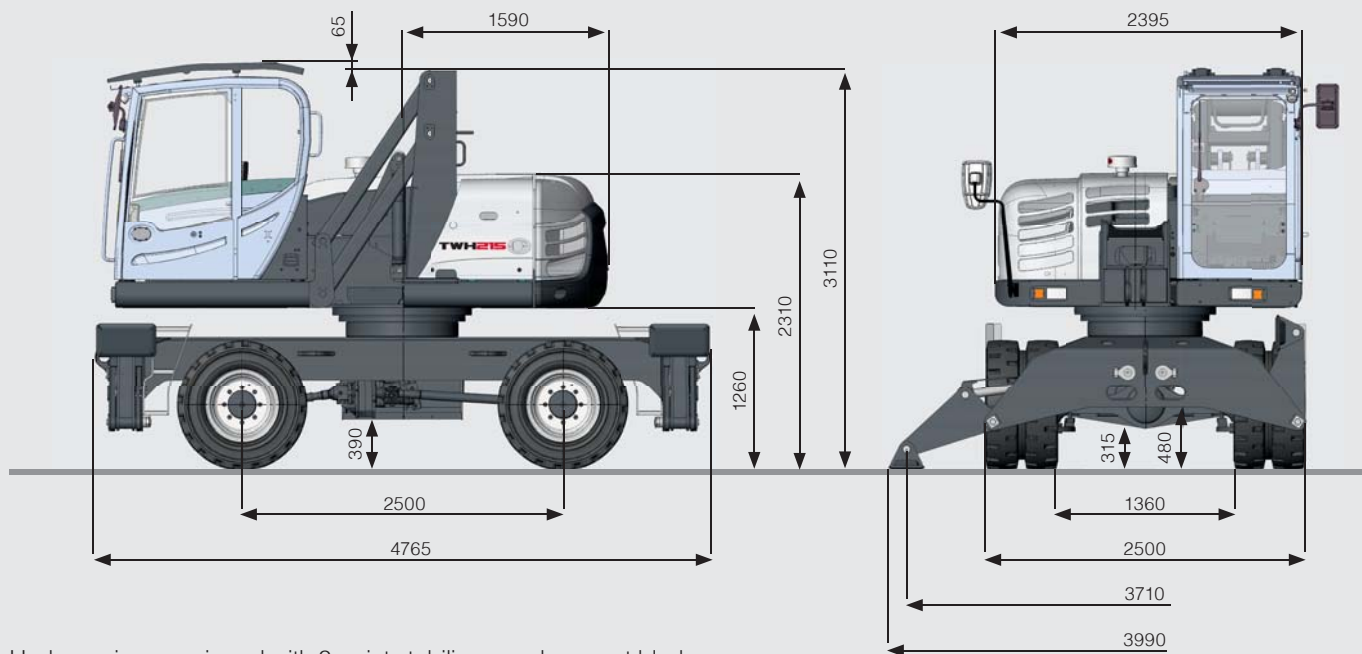
* no-additional-cost option
 Further optional equipment available on request!
 Specification subject to change without notice.

Uppercarriage	Standard	Option
Central grease nipple	●	
Reversible fan for radiator and hydraulic oil cooler	●	
Cyclone prefilter		●
Separated cooling system (split radiator system)		●
Additional suction box for oil and water cooler		●
Cab		
Dust protection device for cabin		●
Preparation for radio installation	●	
Radio (CD/ USB)		●
Airconditioning		●
Hydraulically adjustable cabin (max. viewing height 5.2m)	●	
Joystick steering		●
Loading Equipment		
LED light packages		●
8.8 m multi purpose stick	●	
Assistance Systems		
Overload warning		●
Travel alarm		●
Rupture valves for boom and stick cylinder		●
Fire extinguisher		●
Rearview backup camera	●	

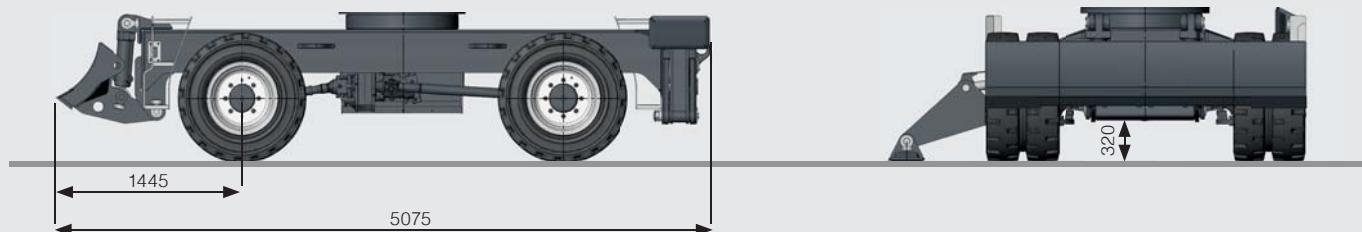
Dimensions

(all dimensions in mm)

Undercarriage equipped with 4-point stabilizers

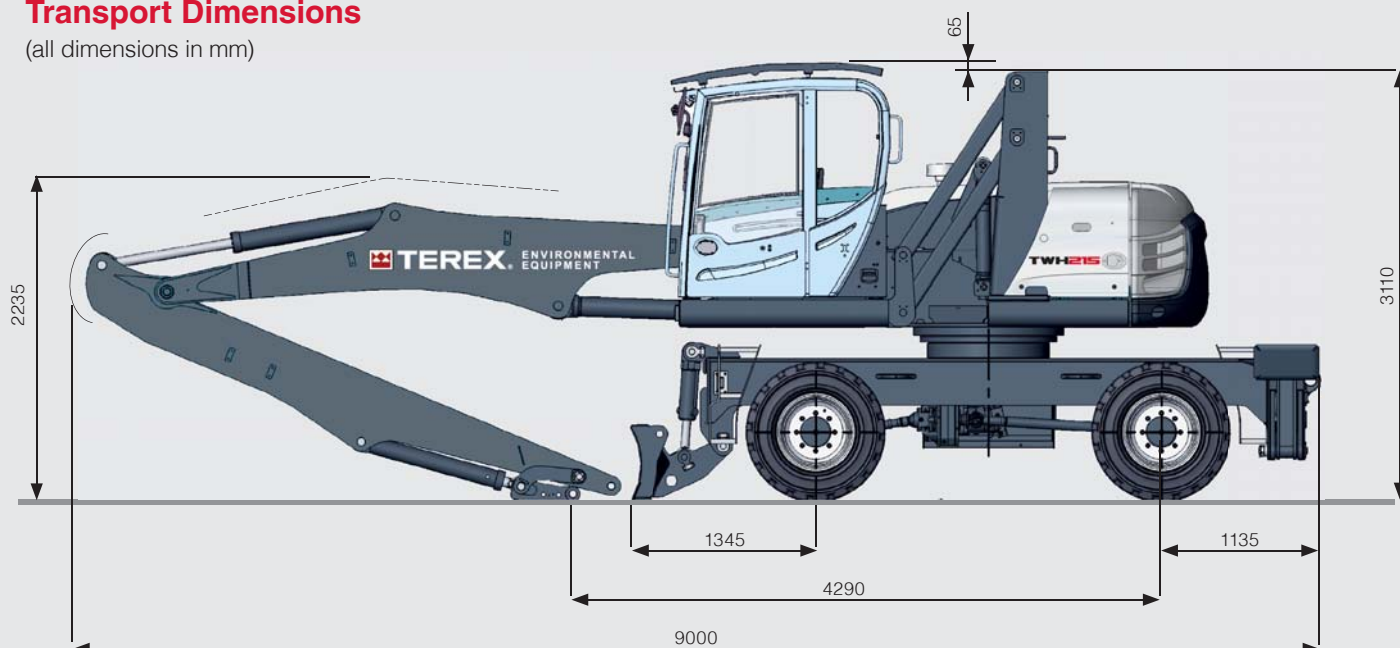


Undercarriage equipped with 2-point stabilizers and support blade



Transport Dimensions

(all dimensions in mm)



Working Ranges and Load Capacities

8.8 m reach with multi-purpose stick

Loading equipment

Boom: 4.7 m

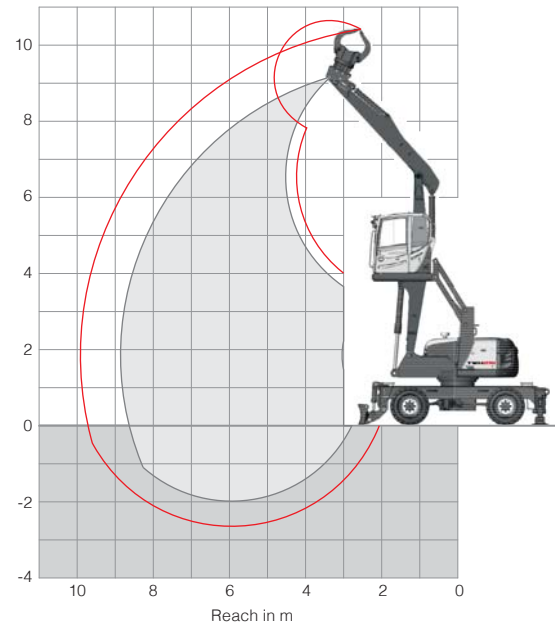
Multi-purpose stick: 3.5 m

Sorting grab

Recommended attachments

Sorting grab up to 400 l

Check the maximum operating pressure and oil flow of the attachment for compatibility



The lift capacity values are stated in metric tons (t). The pump pressure is 350 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]			
		3	4.5	6	7.5
7.5	Without stabilizers		(2.3°)	(2.2°)	
	With 4-pt stabilizers		2.3° (2.3°)	2.2° (2.2°)	
	With 2-pt / support blade		2.3° (2.3°)	2.2° (2.2°)	
6	Without stabilizers		(2.2°)	(2.1°)	(1.6)
	With 4-pt stabilizers		2.2° (2.2°)	2.1° (2.1°)	1.8° (1.8°)
	With 2-pt / support blade		2.2° (2.2°)	2.1° (2.1°)	1.8° (1.8°)
4.5	Without stabilizers		(2.6°)	(2.3°)	(1.6)
	With 4-pt stabilizers		2.6° (2.6°)	2.3° (2.3°)	2.1° (2.1°)
	With 2-pt / support blade		2.6° (2.6°)	2.3° (2.3°)	2.1° (2.1°)
3	Without stabilizers	(6.0°)	(3.6)	(2.3)	(1.6)
	With 4-pt stabilizers	6.0° (6.0°)	3.6° (3.6°)	2.7° (2.7°)	2.2° (2.2°)
	With 2-pt / support blade	6.0° (6.0°)	3.6° (3.6°)	2.7° (2.7°)	2.2° (2.2°)
1.5	Without stabilizers		(3.2)	(2.1)	(1.5)
	With 4-pt stabilizers		4.7° (4.7°)	3.1° (3.1°)	2.4° (2.4°)
	With 2-pt / support blade		4.7° (4.7°)	3.0° (3.1°)	2.1° (2.4°)
0	Without stabilizers	(2.8°)	(3.0)	(2.0)	(1.4)
	With 4-pt stabilizers	2.8° (2.8°)	5.1° (5.1°)	3.4° (3.4°)	2.5° (2.5°)
	With 2-pt / support blade	2.8° (2.8°)	4.5° (5.1°)	2.9° (3.4°)	2.1° (2.5°)
-1.5	Without stabilizers		(2.9)	(1.9)	(1.4)
	With 4-pt stabilizers		4.9° (4.9°)	3.3° (3.3°)	2.3° (2.3°)
	With 2-pt / support blade		4.4° (4.9°)	2.8° (3.3°)	2.0° (2.3°)
Max. reach 8.85 m					
1.85	Without stabilizers				(1.1)
	With 4-pt stabilizers				1.9° (1.9°)
	With 2-pt / support blade				1.7° (1.9°)

OUTSTANDING VISIBILITY AND PERFORMANCE – OUTSTANDING OPERATION



Compact, maneuverable, powerful: a snapshot of the mobile material handler TWH220. With a reach of 9.2 meters and an operating weight of 19 tonnes, this machine is the ideal solution for those who refuse to compromise on performance, efficiency and reliability – even in an entry-level model.

TWH220



Key Features

For high-performance sorting applications

The high-performance 85-kW turbo diesel engine moves even heavier loads swiftly yet precisely.

Thanks to its sensitive hydraulics and rock-solid mechanics, maneuvers can be carried out smoothly and effortlessly. The separate oil-cooler, with its large cooling surface, aids in moderating and maintaining the operating temperature even when the machine is in sustained use.

The cab affords optimal visibility: it is height-adjustable to an eye-level of 5.2 meters and equipped with large panoramic windows. The TWH220 also offers special features, such as air conditioning as standard, an optional reverse fan or even a protective ventilation system for operations in a setting that poses a health risk.



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



Ergonomic driver's seat

- Multi-position adjustment
- Flexible setting options, head and lower lumbar support ensure for comfortable working



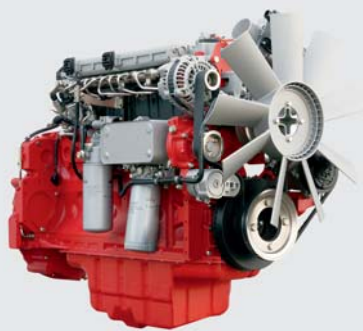
Constant cooling

- 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



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



Deutz diesel engine with 85 kW power

- Increased performance with lower fuel consumption – this combination pays off
- Low noise levels during operation
- Optimum performance utilization in every speed range
- Low emission, meeting standards

Technical Data

Service weight without attachments

TWH220	17.8–19.0 t
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Diesel engine

Manufacturer / model	Deutz TCD 2012 L04 2V
Design	4-cylinder inline
Engine control	EMR III
Type	4-stroke diesel, common rail direct injection, turbo-charger, charge air cooling
Engine power	85 kW
Nominal speed	2000 rpm
Displacement	4.1 l
Cooling System	Liquid intercooling with temperature-controlled fan speed
Exhaust gas standard	COM III and EPA Tier III
Usable tank capacity	300 l
Air filter design	Two-stage filter with safety valve

Electrical system

Operating voltage	24 V
Battery	2 × 12 V / 100 Ah / 850 A (in accordance with EN)
Lighting set	1 × H3 floodlight on upper carriage, 1 × H3 floodlight on cab floor, turn signal and rear sidemarker lamps

Transmission

Hydrostatic drive through infinitely variable axial piston motor and directly mounted travel brake valves, two-speed shift gear, all-wheel drive	
Travel speed 1st gear	5 km/h
Travel speed 2nd gear	20 km/h
Gradeability	max. 55 %
Turning radius	7.0 m

Undercarriage

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle 30°
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
Outrigger	4-point stabilizers, 2-point stabilizers with stabilizing blade
Tires	Solid rubber tires, 8× 10.00-20 with intermediate rings

Slewing gear

Slew ring	Internally toothed ball ring gear (double row)
Drive	Two-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	0–8 rpm
Rotating interlock	Electrically operated

Brakes

Service brake	Hydraulic single-circuit braking system acting on all four wheel pairs (drum brakes)
Parking brake	Electrically operated spring-loaded disc brake at transmission, acting on both front and rear axle

Hydraulic system

REXROTH mobile hydraulic system with optional load limit control and fuel-saving power demand control. Separate oil cooler, temperature-controlled fan speed. Hydraulic oil filter: filter elements integrated in the oil tank; maintenance interval 3000 operating hours. Central lubrication system.

Pump capacity	max. 290 l/min
Operating pressure	max. 320 / 360 bar
Hydraulic fluid tank	300 l

Operator's cab

Elastically supported, infinitely variable hydraulically height-adjustable with max. eye level of 5.2 m. Sound-deadened, heat-insulated panoramic windows for optimum all-around view, windshield with pull-down sunblind that slides under cab roof, visibility panel in cab roof, sliding window in cab door, steering column height and tilt adjustable.

Heating	Infinitely variable hot water heating with 3-speed fan, 4 adjustable defroster nozzles
Driver's seat	Mechanically cushioned comfort-seat with integrated headrest, safety belt and lumbar support, seat heating with integrated a/c function optional. Seat position, seat inclination and seat cushion multi-adjustable in relation to position of armrests and pilot control units, allowing fatigue-free operation.
Monitoring	Ergonomic instrument layout, glare-free. Function monitoring; automatic warning and storage of deviating operating conditions, e.g. filter pressure with warning indicator and shutdown of pilot controls, warning indicator or shutdown of pilot controls if hydraulic oil temperature limits are exceeded.
Air conditioning system	Automatic

Official homologation

Certification in accordance with CE guidelines.

Equipment

Diesel engine	Standard	Option
Exhaust gas turbocharger	●	
Intercooling	●	
Direct electronic fuel injection / common rail	●	
Automatic idle	●	
Interface for engine diagnosis	●	
Temperature-controlled fan drive	●	
Undercarriage		
2-speed shift transmission	●	
4-point stabilizers*		●
2-point stabilizers and support blade*		●
Stabilizer cylinders with integrated two-way check valves	●	
Cyclone prefilter		●
All-wheel drive	●	
Piston rod protection on stabilizer cylinders	●	
Rear axle oscillating lock	●	
Drum brakes	●	
Solid rubber tires 10.00-20 with intermediate rings	●	
Tires mudguard		●
Tool box on undercarriage		●
Uppercarriage		
Maintenance hood, actuated by gas strut, with mechanical locking device	●	
Lockable cleaning access openings on radiator	●	
Separate radiator system for ambient temperatures up to 50°C	●	
Separate oil cooler with temperature-controlled fan drive	●	
Automatic central lubrication system	●	
Travel alarm		●
Rearview backup camera	●	
Quick-drain valve for fuel tank (supplied in tool box)	●	
Quick-drain valve on hydraulic oil tank	●	
Quick-drain valve on radiator	●	
Quick-drain valve on engine oil-pan	●	
Reversible fan for radiator and hydraulic oil cooler		●
Tool box (small) in upper carriage	●	

Cab	Standard	Option
Dust protection device for cabin		●
Operator's seat mechanically cushioned	●	
Cab elevation system	●	
Air conditioning	●	
Steering column, height and tilt adjustable	●	
Multi-function display	●	
Fire extinguisher		●
Preparation for radio installation	●	
Radio / CD player		●
Sliding window in cab door	●	
Safety glass	●	
Windscreen washer system	●	
Other equipment		
Floodlights attached to cab floor	●	
Floodlights, mounted to upper carriage	●	
LED light packages		●
Close proximity range limiter for stick	●	
Coolant and hydraulic oil level monitoring system	●	
Rapture valves for lifting cylinders		●
Rapture valves for stick cylinders		●
Stick shock protection	●	
Lubrication of the grab suspension by central lubrication system	●	
Overload warning device		●
Quick-connect coupling on stick	●	

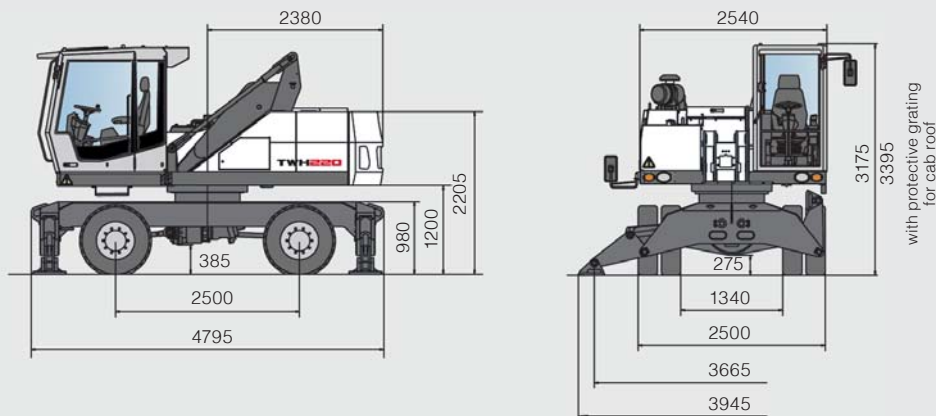
* no-additional-cost option

Further optional equipment available on request!
Specification subject to change without notice.

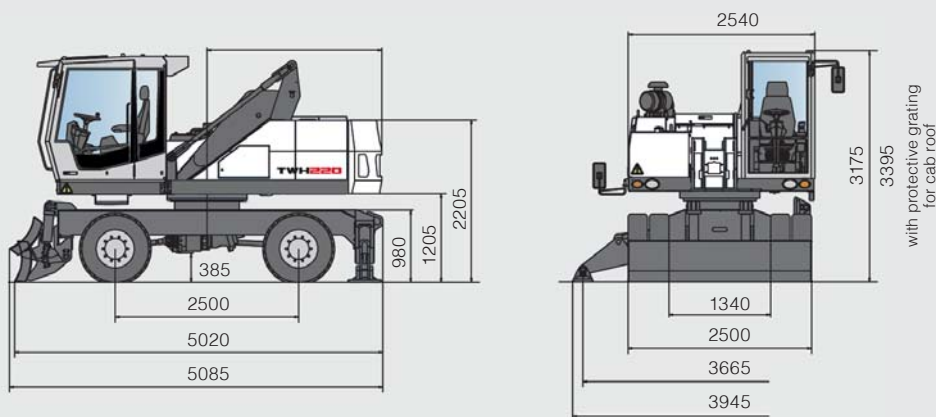
Dimensions

(all dimensions in mm)

Undercarriage equipped with 4-point stabilizers

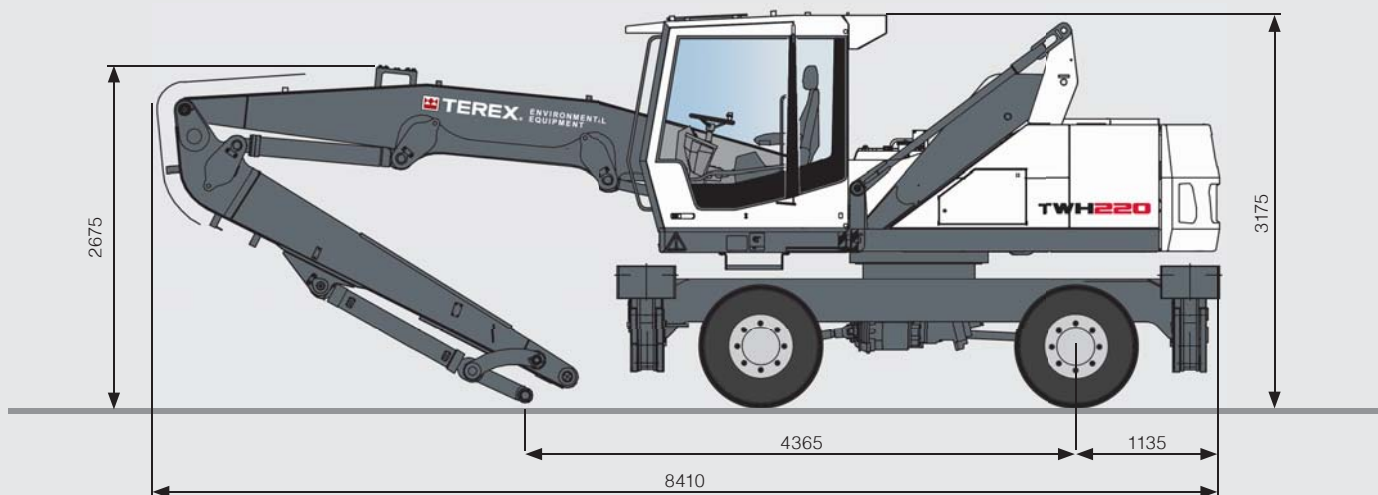


Undercarriage equipped with 2-point stabilizers and support blade



Transport Dimensions

(all dimensions in mm)



Working Ranges and Load Capacities

9.2 m reach with multi-purpose stick

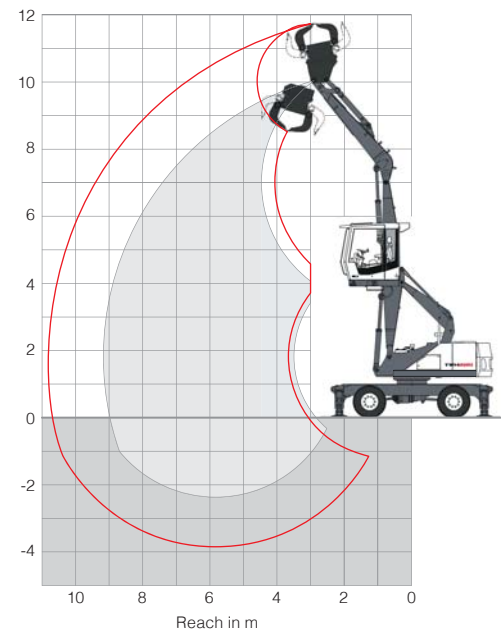
Loading equipment

Boom: 5.2 m

Multi-purpose stick: 3.7 m

Sorting grab

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	(6.3°)			
	With 4-pt stabilizers	6.3° (6.3°)			
	With 2-pt / support blade	6.3° (6.3°)			
7.5	Without stabilizers	(6.5°)	(4.0)		
	With 4-pt stabilizers	6.8° (6.8°)	5.6° (5.6°)		
	With 2-pt / support blade	6.8° (6.8°)	5.6 (5.6°)		
6	Without stabilizers	(6.4)	(4.0)	(2.7)	
	With 4-pt stabilizers	6.8° (6.8°)	5.6° (5.6°)	4.4 (4.7°)	
	With 2-pt / support blade	6.8° (6.8°)	5.2 (5.6°)	3.6 (4.7°)	
4.5	Without stabilizers	(6.2)	(3.9)	(2.7)	
	With 4-pt stabilizers	7.4° (7.4°)	5.8° (5.8°)	4.4 (4.7°)	
	With 2-pt / support blade	7.4° (7.4°)	5.1 (5.8°)	3.5 (4.7°)	
3	Without stabilizers	(5.8)	(3.7)	(2.6)	(1.9)
	With 4-pt stabilizers	8.3° (8.3°)	6.1° (6.1°)	4.3 (4.7°)	3.2 (3.6°)
	With 2-pt / support blade	7.8 (8.3°)	4.9 (6.1°)	3.4 (4.7°)	2.5 (3.6°)
1.5	Without stabilizers	(5.3)	(3.5)	(2.5)	(1.9)
	With 4-pt stabilizers	8.8° (8.8°)	5.9° (6.2°)	4.2 (4.6°)	3.2 (3.3°)
	With 2-pt / support blade	7.3 (8.8°)	4.7 (6.2°)	3.3 (4.6°)	2.5 (3.3°)
0	Without stabilizers	(5.1)	(3.3)	(2.2)	
	With 4-pt stabilizers	8.1° (8.1°)	5.7° (5.7°)	3.8 (3.9°)	
	With 2-pt / support blade	7.0 (8.1°)	4.5 (5.7°)	3.2 (4.1°)	
-1.5	Without stabilizers	(5.0)	(3.3)	(2.4)	
	With 4-pt stabilizers	6.1° (6.1°)	4.5° (4.5°)	3.1° (3.1°)	
	With 2-pt / support blade	6.1° (6.1°)	4.4 (4.5°)	3.1° (3.1°)	
					Max. reach 9.2 m
1.8	Without stabilizers				(1.8)
	With 4-pt stabilizers				3.1 (3.2°)
	With 2-pt / support blade				2.4 (3.2°)

THE ALL-ROUNDER, INCORPORATING TURBO EFFICIENCY

With its diverse applications and near legendary maneuvering speed, the TWH224 really does rev up the recycling business. The solid undercarriage ensures stability when loads weighing several tonnes are to be moved utilizing a reach of up to 10.7 meters.



TWH224



Key Features

Powerful luxury class of recycling machines

TWH224 waste handler showcases the optimum balance of power and agility.

This waste handler quickly and efficiently completes any job at recycling centers and waste transfer stations – from loading and unloading to stacking and sorting. The available 10.7m multi-purpose stick gives operators control of the attachment's up-and-down movement to efficiently sort material without the need to continually reposition the machine.

Scuffing at sustained operation in the blazing temperatures, this flexible handler boasts separate cooling systems with a thermostatically controlled, hydrostatically driven oil cooling fan to quietly and efficiently work in searing ambient temperatures reaching 50°C. Additional box filters for the engine and hydraulic oil coolers and an optional

cyclone dust separator at the filter increase machine uptime in extremely dusty applications. Optional reversible fans periodically clean filters at pre-set intervals.

Compact in size, the TWH224 is perfect for both indoor and outdoor applications. It shares the same features of the others waste handlers such as a durable double-row slew ring, large swing drive for quick and precise upper carriage slewing, and beefy hydraulic support cylinders on the four outriggers that enable the handler to move tons of material. The 115kW turbocharged diesel engine features an integrated hydraulic load limit sensing for efficient use of power. A hydraulically height-adjustable cab offers up to a 5.3m eye-level elevation for simple loading of high-wall trailers and railcars.



Deutz diesel engine with 85 kW power

- Increased performance with lower fuel consumption – this combination pays off
- Turbo diesel engine 115kW
- Low noise levels during operation
- Optimum performance utilization in every speed range
- Low emission, meeting latest standards



Workhorse, requiring little maintenance

- Important components are easily accessible from the service platform
- Comfortable access to the upper carriage platform makes maintenance work easy



Reversing camera and travel alarm

- Standard camera (with night vision function) offers significant advantages for safety and comfort
- The travel alarm warns people close to the vehicle with an acoustic signal; it is activated automatically once the machine starts to drive



Everything at a glance

- The multi-function display sets new standards. Simple menu navigation is provided directly through the display, which can be read without glare. The screen displays images of the integrated reversing camera and all important operating conditions, such as hydraulic oil temperature, coolant temperature, and much more. The display can be operated comfortably from the driver's seat.



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



Air conditioning

- Climate control condenser is separated from the main cooling system and dust-protected
- With its own fan, the cooling system is independent of engine speed and thus highly efficient

Technical Data

Service weight without attachments

TWH224	23–25.7 t
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Diesel engine

Manufacturer / model	Deutz TCD 4.1 L4
Design	4-cylinder in-line engine
Control	EEC IV
Method of operation	4-cycle diesel, common rail open-combustion-chamber injection, turbocharger with charge cooler
Engine output	115 kW
Rated speed	2000 rpm
Displacement	4.1 l
Cooling system	Water and charge air cooling with temperature controlled fan speed
Emission standard	EPA Tier 4 interim / EU Stage IIIB
Air filter type	Two-stage filter with safety valve
Useable tank capacity	300 l

Electrical system

Operating voltage	24 V
Battery	2 × 12 V / 110 Ah / 750 A (according to EN)
Lighting system	1 × H3 headlamp on uppercarriage, 1 × H3 headlamp on cab floor, rear marker lights and flashers

Transmission

Travel speed 1st gear	max. 5 km/h
Travel speed 2nd gear	max. 20 km/h
Gradeability	max. 45 %
Turning radius	7.0 m

Slewing gear

Slew ring	Internally geared, double-row ball turning ring
Drive	2-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	0–8 rpm variable
Rotating interlock	electrically activated
Max. torque	49 kNm

Undercarriage

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle: 28°, width ca. 2.500 mm
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating lock, width ca. 2.500 mm
Outrigger	4-point outrigger
Tires	Solid rubber, elastic tires 8x 10.00-20

Brakes

Service brake	A hydraulically activated single-circuit brake system that works on all four pairs of wheels
Parking brake	Electrically activated disc brake on the travel drive that works on both axes

Hydraulic system

Pump capacity	max. 380 l/min
Operating pressure	max. 320 bar
Hydraulic fluid tank	305 l

Operator's cab

Elastic bearings, variable hydraulic height adjustment up to a viewing height of 5.30 m, sound suppressed, large thermal glass windows provide excellent visibility, front windshield with pull-down sunblind that can be slid under the cab roof, inspection window in the cab roof, sliding glass panel in the cab door, steering column tilts and height adjusts.

Heating	Hot water heating with variable temperature adjustment and 3-level blower, 6 adjustable defroster nozzles
Driver'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 particle 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
Air conditioning system	With automatic temperature control and cooled storage rack.
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.

Specification subject to change without notice.

Equipment

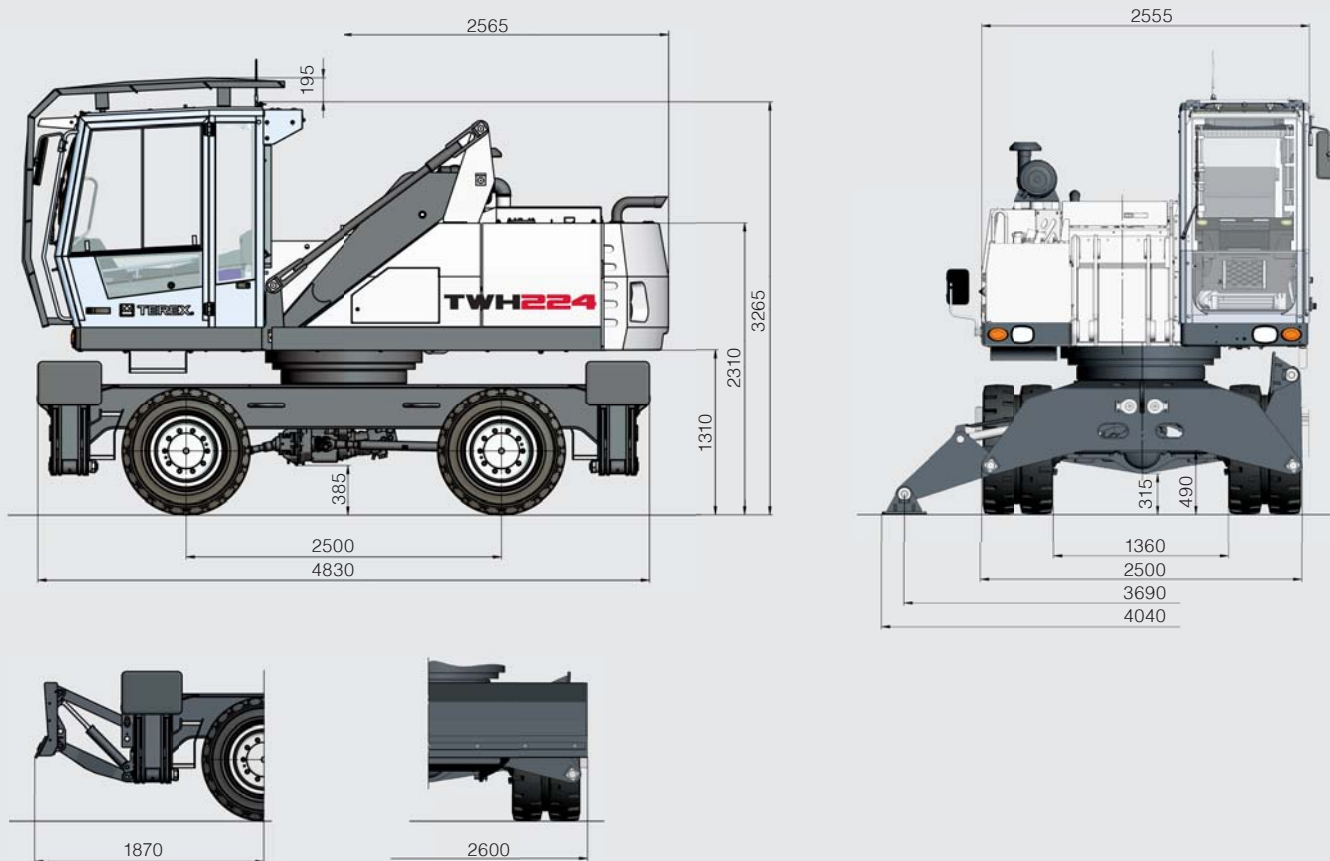
Diesel engine	Standard	Option
Turbocharger	●	
Charge Air Cooler	●	
Electronic direct fuel injection / Common Rail	●	
Auto-idling system	●	
Engine diagnostics interface	●	
Temperature controlled fan drive	●	
Mode switchover (Eco-, Eco+ -, Power-Mode)	●	
Undercarriage		
2 speed manual transmission	●	
4-point outrigger	●	
Outrigger cylinder with integrated shut-off valves on both sides	●	
Cyclone prefilter		●
4-wheel drive	●	
Piston rod protection for the outrigger cylinders	●	
Stabilizer plates 500 × 350 mm	●	
Pendulum axle locking rear axles	●	
Drum brakes	●	
Tires mudguard		●
Tool box	●	
Uppercarriage		
Maintenance bonnet, activated by gas with mechanical fuse	●	
Lockable cleaning access openings on radiators	●	
Divided cooling system for an ambient temperature of up to 50°C	●	
Separate oil cooler with temperature controlled fan drive	●	
Central lubrication system, automatic	●	
Rearview backup camera	●	
Travel alarm		●
Quick-drain valve on the diesel tank	●	
Quick-drain valve on the hydraulic oil tank	●	
Quick-drain valve on the water cooler	●	
Quick-drain valve on the engine sump	●	
Reversing fan for engine and hydraulic oil cooler		●

Cab	Standard	Option
Dust protection device for cabin		●
Cab elevation system	●	
3-layer glass with protection film	●	
Sliding window in the cab door	●	
Washer and wiper system	●	
Air-cushioned driver's seat with headrest, safety belt, and lower lumbar support	●	
Tilting and adjustable steering column	●	
Air conditioning system	●	
Multifunction display	●	
Document clip	●	
Radio 24 V (CD & USB)		●
Powder fire extinguisher in cab		●
Other equipment		
Close-range expansion for dipper stick	●	
Level controller for coolant and hydraulic oil level	●	
Rupture valves for lift cylinders		●
Rupture valves for dipperstick cylinders		●
Overload warning device		●
Quick coupling on the dipperstick	●	
Lubrication of the grab suspension by the central lubrication system	●	
LED light packages		●

Further optional equipment available on request!
Specification subject to change without notice.

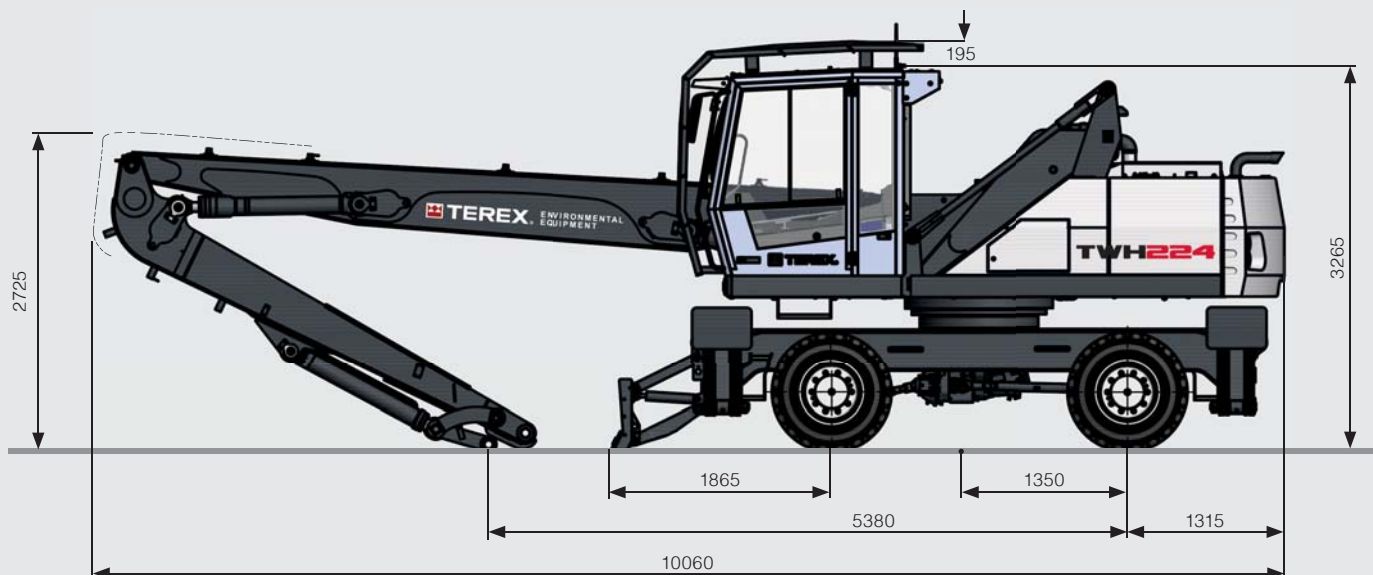
Dimensions

(all dimensions in mm)



Transport Dimensions

(all dimensions in mm)



Working Ranges and Load Capacities

10.7 m reach with multi-purpose stick

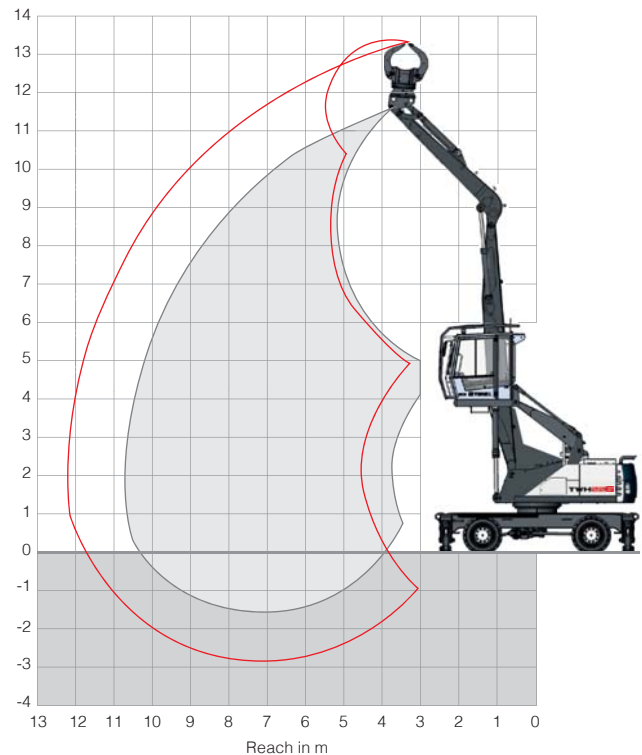
Loading equipment

Boom: 6.5 m

Multi-purpose stick: 4.0 m

Sorting grab

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 outrigger	Reach [m]				
		4.5	6	7.5	9	10.5
9	not supported		(5.0°)	(3.4)		
	4-point supported		6.4° (6.4°)	5.0° (5.0°)		
7.5	not supported		(4.9)	(3.4)	(2.4)	
	4-point supported		6.4° (6.4°)	5.4 (5.7°)	4.0° (4.0°)	
6	not supported	(7.7)	(4.8)	(3.3)	(2.4)	
	4-point supported	8.3° (8.3°)	6.8° (6.8°)	5.4 (5.9°)	3.9 (4.9)	
4.5	not supported	(7.1)	(4.5)	(3.2)	(2.3)	
	4-point supported	9.8° (9.8°)	7.5 (7.6°)	5.2 (6.3°)	3.9 (4.8)	
3	not supported	(6.4)	(4.2)	(3.0)	(2.2)	(1.7)
	4-point supported	11.4 (11.8°)	7.1 (8.4°)	5.0 (6.3)	3.8 (4.7)	2.9 (3.7)
1.5	not supported	(5.8)	(3.9)	(2.8)	(2.1)	(1.7)
	4-point supported	7.6° (7.6°)	6.8 (8.7)	4.8 (6.1)	3.7 (4.6)	2.9 (3.6)
0	not supported	(5.6)	(3.7)	(2.7)	(2.1)	
	4-point supported	6.3° (6.3°)	6.6 (8.5)	4.7 (6.0)	3.6 (4.5)	
-1.5	not supported			(2.7)		
	4-point supported			4.6 (5.9)		
					Max. reach 10.7 m	
-2	not supported					(1.6)
	4-point supported					2.8 (3.6)

**GREATER REACH.
HIGHER LOAD CAPACITY.
HIGHER SPEEDS.**



Flexibility and speed are the key to success in the recycling business. That's why smart professionals rely on TWH226. Convenient handling, the greatest power, high lifting capacities throughout the entire working range, ergonomic, straightforward operation in the vertically movable cab and legendary reliability make you ready for any challenge!

TWH226

Even heavy recycling loads requiring precise handling within a specific work radius are easily dealt with using the mobile material handler, TWH226.

The particularly solid undercarriage, ensures stability when heavy tonne-loads are to be handled, utilizing a reach of up to 10.7 meters. So that in such situations neither speed nor precision is compromised, slewing motors and slewing gears are minutely adjusted and the lifting and stick cylinders equipped with special end-position damping.

The TWH226 uses state-of-the-art engine and cooling technology. The divided cooling system, comprising a hydrostatically driven fan for the oil cooler and a viscous-clutch driven fan for the water and charge air cooler, provides superior, silent cooling and permits operation of the machine at temperatures as high as 50°C. Options such as particulate filters or a sealed cab equipped with a protective ventilation system are provided to facilitate operation in the sorting hall.

The clean and quiet 115 kW EEC IV-compliant turbo diesel engine conforms to exhaust emission standards stipulated for Tier IV engines (EU Stage IIIB/ EPA Tier 4 interim) and when used in an indoor setting produces only minimal noise pollution and emissions. Ergonomics and occupational safety

are central to the Terex® Environmental Equipment perspective. Optimal visibility is afforded both by the lifting cab with its panoramic windows and by the state-of-the-art function monitor, which permits

comprehensive surveillance of all operating data. Ergonomically arranged operational controls and a comfortable seat that provides lumbar support are components of the basic equipment.



Key Features



Powerful performance

- Turbo-charged Deutz engine 115kW
- Low noise levels during operation
- Optimum performance utilization in every speed range
- Low emission, meeting latest standards



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



Better view as standard

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



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



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



Technical Data

Service weight without attachments

TWH226	24–26.7 t
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Diesel engine

Manufacturer / model	Deutz TCD 4.1 L4
Design	4-cylinder in-line engine
Control	EEC IV
Method of operation	4-cycle diesel, common rail open-combustion-chamber injection, turbocharger with charge cooler
Engine output	115 kW
Rated speed	2000 rpm
Displacement	4.1 l
Cooling system	Water and charge air cooling with temperature controlled fan speed
Emission standard	EPA Tier 4 interim / EU Stage IIIB
Air filter type	Two-stage filter with safety valve
Useable tank capacity	300 l

Electrical system

Operating voltage	24 V
Battery	2 × 12 V / 110 Ah / 750 A (according to EN)
Lighting system	1 × H3 headlamp on uppercarriage, 1 × H3 headlamp on cab floor, rear marker lights and flashers

Transmission

Travel speed 1st gear	max. 5 km/h
Travel speed 2nd gear	max. 20 km/h
Gradeability	max. 45 %
Turning radius	7.0 m

Slewing gear

Slew ring	Internally geared, double-row ball turning ring
Drive	2-stage planetary gear with integrated multi-disc brake
Uppercarriage swing speed	0–8 rpm variable
Rotating interlock	electrically activated
Max. torque	49 kNm

Undercarriage

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted, max. steering angle: 27°, width ca. 2.700 mm
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating lock, width ca. 2.700 mm
Outrigger	4-point outrigger
Tires	Solid rubber, elastic tires 8x 10.00-20

Brakes

Service brake	A hydraulically activated single-circuit brake system that works on all four pairs of wheels
Parking brake	Electrically activated disc brake on the travel drive that works on both axes

Hydraulic system

Pump capacity	max. 380 l/min
Operating pressure	max. 320 bar
Hydraulic fluid tank	305 l

Operator's cab

Elastic bearings, variable hydraulic height adjustment up to a viewing height of 5.30 m, sound suppressed, large thermal glass windows provide excellent visibility, front windshield with pull-down sunblind that can be slid under the cab roof, inspection window in the cab roof, sliding glass panel in the cab door, steering column tilts and height adjusts.

Heating	Hot water heating with variable temperature adjustment and 3-level blower, 6 adjustable defroster nozzles
Driver'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 particle 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
Air conditioning system	With automatic temperature control and cooled storage rack.
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.

Specification subject to change without notice.

Equipment

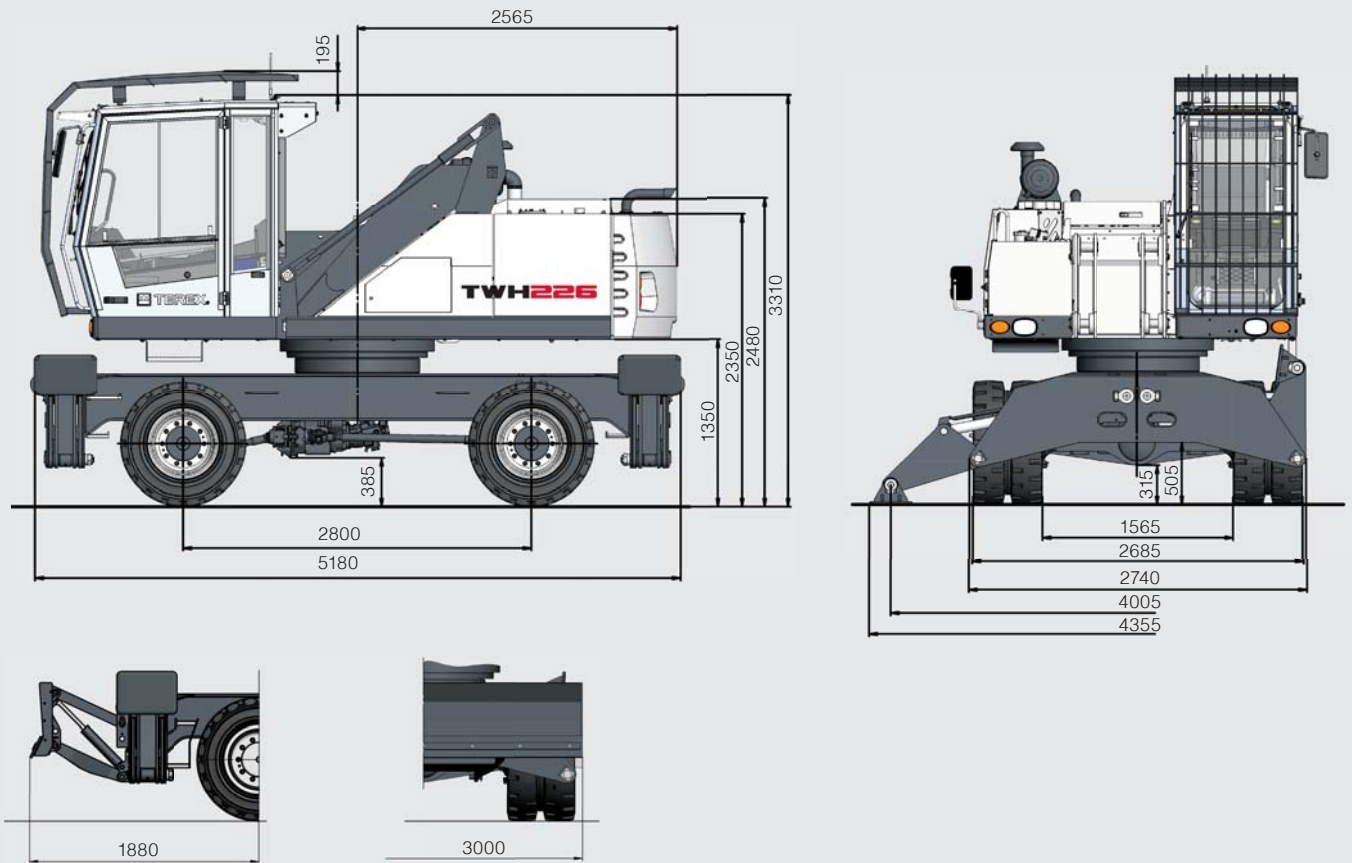
Diesel engine	Standard	Option
Turbocharger	●	
Charge Air Cooler	●	
Electronic direct fuel injection / Common Rail	●	
Auto-idling system	●	
Engine diagnostics interface	●	
Temperature controlled fan drive	●	
Mode switchover (Eco-, Eco+ -, Power-Mode)	●	
Undercarriage		
2 speed manual transmission	●	
4-point outrigger	●	
Outrigger cylinder with integrated shut-off valves on both sides	●	
Cyclone prefilter		●
4-wheel drive	●	
Piston rod protection for the outrigger cylinders	●	
Stabilizer plates 500 × 350 mm	●	
Pendulum axle locking rear axles	●	
Drum brakes	●	
Tires mudguard		●
Tool box	●	
Uppercarriage		
Maintenance bonnet, activated by gas with mechanical fuse	●	
Lockable cleaning access openings on radiators	●	
Divided cooling system for an ambient temperature of up to 50°C	●	
Separate oil cooler with temperature controlled fan drive	●	
Central lubrication system, automatic	●	
Rearview backup camera	●	
Travel alarm		●
Quick-drain valve on the diesel tank	●	
Quick-drain valve on the hydraulic oil tank	●	
Quick-drain valve on the water cooler	●	
Quick-drain valve on the engine sump	●	
Reversing fan for engine and hydraulic oil cooler		●

Cab	Standard	Option
Dust protection device for cabin		●
Cab elevation system	●	
3-layer glass with protection film	●	
Sliding window in the cab door	●	
Washer and wiper system	●	
Air-cushioned driver's seat with headrest, safety belt, and lower lumbar support	●	
Tilting and adjustable steering column	●	
Air conditioning system	●	
Multifunction display	●	
Document clip	●	
Radio 24 V (CD & USB)		●
Powder fire extinguisher in cab		●
Other equipment		
Close-range expansion for dipper stick	●	
Level controller for coolant and hydraulic oil level	●	
Rupture valves for lift cylinders		●
Rupture valves for dipperstick cylinders		●
Overload warning device		●
Quick coupling on the dipperstick	●	
Lubrication of the grab suspension by the central lubrication system	●	
LED light packages		●

Further optional equipment available on request!
Specification subject to change without notice.

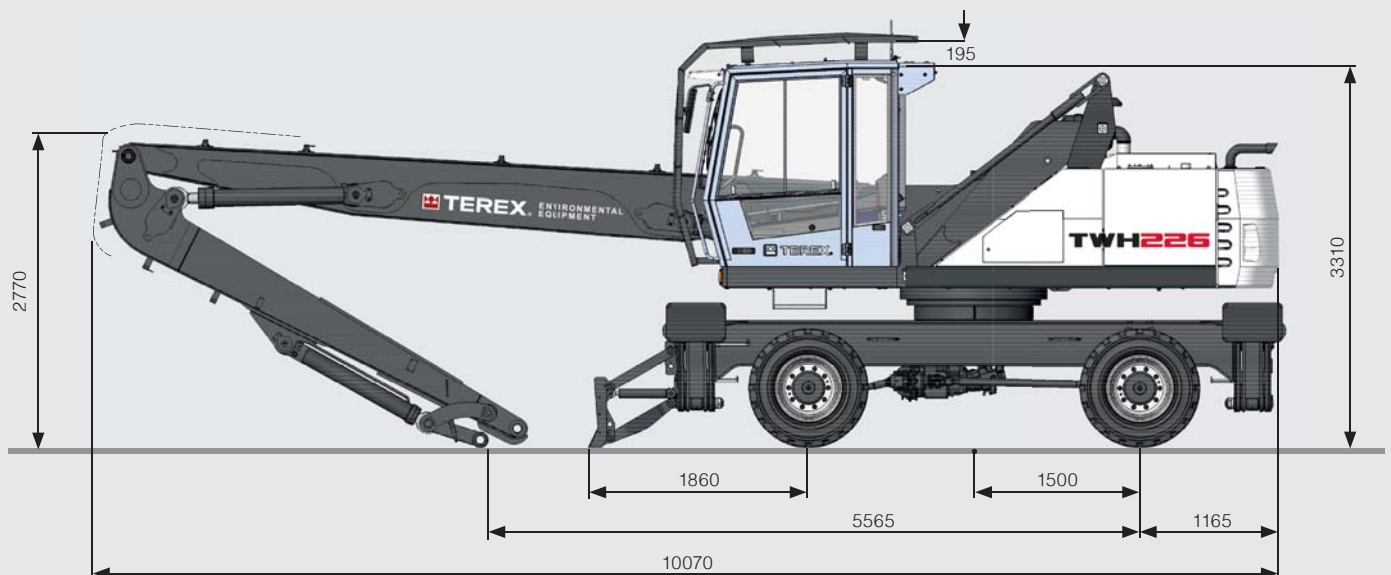
Dimensions

(all dimensions in mm)



Transport Dimensions

(all dimensions in mm)



Working Ranges and Load Capacities

10.7 m reach with multi-purpose stick

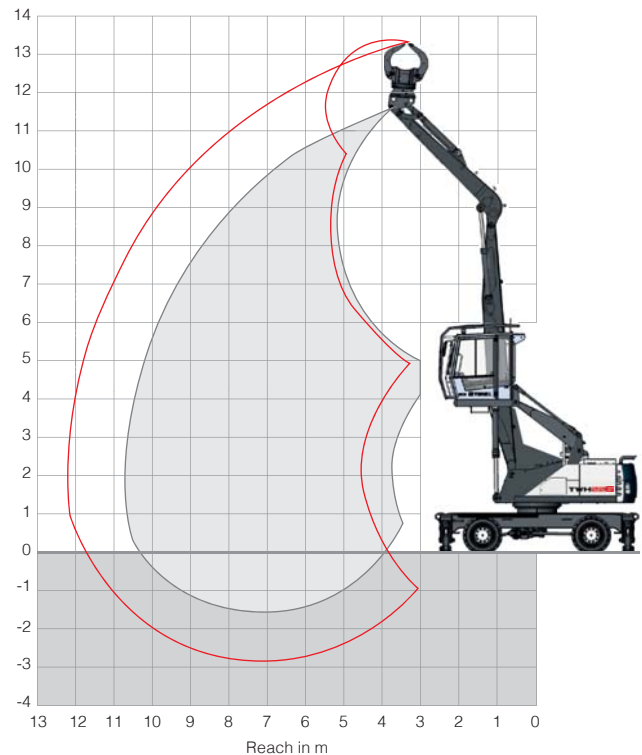
Loading equipment

Boom: 6.5 m

Multi-purpose stick: 4.0 m

Sorting grab

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 outrigger	Reach [m]				
		4.5	6	7.5	9	10.5
10.5	not supported		(5.0°)			
	4-point supported		5.0° (5.0°)			
9	not supported		(6.0)	(4.1)		
	4-point supported		6.4° (6.4°)	5.1° (5.1°)		
7.5	not supported		(5.9)	(4.1)	(2.9)	
	4-point supported		6.4° (6.4°)	5.8° (5.8°)	4.1° (4.1°)	
6	not supported	(8.3°)	(5.8)	(4.0)	(2.9)	
	4-point supported	8.3° (8.3°)	6.9° (6.9°)	5.9° (5.9°)	4.7 (5.8°)	
4.5	not supported	(8.6)	(5.5)	(3.8)	(2.9)	
	4-point supported	10.0° (10.0°)	7.6° (7.6°)	6.1 (6.3°)	4.6 (5.5°)	
3	not supported	(7.9)	(5.1)	(3.7)	(2.8)	(2.2)
	4-point supported	12.0° (12.0°)	8.5 (8.5°)	5.9 (6.8°)	4.5 (5.7)	3.5 (4.4)
1.5	not supported	(7.3)	(4.8)	(3.5)	(2.7)	(2.1)
	4-point supported	7.4° (7.4°)	8.1 (9.2°)	5.8 (7.1°)	4.4 (5.6)	3.5 (4.4)
0	not supported	(6.3°)	(4.6)	(3.4)	(2.6)	
	4-point supported	6.3° (6.3°)	7.9 (9.4°)	5.6 (7.2)	4.3 (5.5)	
-1.5	not supported			(3.3)		
	4-point supported			5.6 (6.9°)		
		Max. reach 10.7 m				
2.1	not supported					(2.1)
	4-point supported					3.4 (4.0°)

ECO PRODUCT RANGE

Industrial grinders



TBG 635

Choose from four field-swappable 1,016mm diameter × 1,219mm wide downturn chipper or grinder rotor options for application flexibility. You can go from making mulch from trees and stumps to chipping stem wood into chips from 2mm to 30mm. Caterpillar C18 diesel engine.



TBG 635T

Choose from four field-swappable 1,016mm diameter × 1,219mm wide downturn chipper or grinder rotor options for application flexibility. You can go from making mulch from trees and stumps to chipping stem wood into chips from 2 mm to 30 mm. Caterpillar C18 diesel engine.



TBG 640

Features a wide 1,041 mm × 1,600mm infeed opening and a variable feed rate. Powered by a Caterpillar C18 diesel engine. Ideal for jobs requiring a wider infeed such as pallets, land clearing debris and other urban wood waste materials. 863mm diameter × 1,625mm wide upturn pin-style rotor.



TBG 640T

Features a wide 1,041 mm × 1,600mm infeed opening and a variable feed rate. Powered by a Caterpillar C18 diesel engine. Ideal for jobs requiring a wider infeed such as pallets, land clearing debris and other urban wood waste materials. 863mm diameter × 1,625mm wide upturn pin-style rotor.

Trommels and screens



TTS 620

A highly efficient engine and hydraulic drive system combined with advanced material processing control system offer maximum production combined with minimum costs.



TTS 620T

A highly efficient engine and hydraulic drive system combined with advanced material processing control system offer maximum production combined with minimum costs.



TRS 550

The Terex Environmental Equipment tracked heavy duty screen is versatile and efficient and can be operated in a wide range of primary and secondary screening applications. Processes applications such as MSW, C&D, C&I, incineration slag, shredder light fraction, shredder heavy fraction, metal recycling.



PHOENIX 2100

This mid-sized 2-way split mobile trommel screen has been designed to work in top soil, wood chips, compost and recycling applications. Features four direct-drive wheel motors (no chain drives or gearboxes) and a bi-directional drum that allows drum to be reversed or rocked.



PHOENIX 3300

The flagship model within the Terex trommel range of 2-way split mobile trommel screens. Key features include the largest screen area within the trommel range, a low maintenance 4 wheel drive friction drum drive system, and a proportional load sensing on the feeder conveyor.

Industrial chippers



TBC 430T

Includes infeed opening of 812mm x 762mm. Mechanical or hydraulic clutch. Produces up to 80 tons per hour of quality biomass and is able to accept short end cuts up to 609mm in diameter. Cuts with a 1,270mm diameter x 762mm wide drum turning at 521 kW for smoother cutting and increased torque.



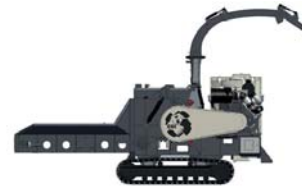
TBC 435

Compact but highly-productive chipper that can accommodate top or end loading chip trailers with the patented flex discharge chute option. Choose from two 1,016mm diameter x 1,219mm wide chipping rotor options to produce fuel chips custom sized from 12–25 mm or “microchips” from 2–12 mm for small wood-fired boilers and the pellet mill industry.



TBC 435T

Compact but highly-productive chipper that can accommodate top or end loading chip trailers with the patented flex discharge chute option. Choose from two 1,016mm diameter x 1,219mm wide chipping rotor options to produce fuel chips custom sized from 12–25 mm or “microchips” from 2–12 mm for small wood-fired boilers and the pellet mill industry.



TBC 435VT

Vertical discharge chute rotates 290-degrees for top loading of trailers and broadcast spreading of wood chips. Choose from two 1,016mm diameter x 1,219mm wide chipping rotor options to produce fuel chips custom sized from 12–25 mm or “microchips” from 2–12 mm for small wood-fired boilers and the pellet mill industry.

Industrial shredders



TDS 820

A versatile slow speed machine for shredding all types of material; there are three standard programs pre-installed and then three further programs that can be configured by the customer to suit the application.



TDS V20

Ideal for shredding wood waste, pallets, cable drums, tires, paper rolls, green waste, mattresses and roots. It features the Vecoplan shredding chamber.

Attachments and accessories



Log and Stump Screw

An attachment for splitting over-sized butt logs, pole wood, tree service block wood and stumps into more manageable size. Quick detach models are available.



Stump Shear

The CBI Stump Shear grubs, pulls, shears, backfills, and loads stumps and logs at a highly productive rate. Direct pin and pin grabber coupling models are available.



RR30 Root Rake

It grubs, pulls, backfills, rakes and loads to make feed out of dirt contaminated debris. In ground or out, the CBI Root Rake is built with the rugged durability you expect.

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