TEREX | FUCHS

MHL350 F-SERIES
MHL355 F-SERIES

TECHNICAL DATA
MHL 350 F | MHL 355 F
MATERIAL HANDLER

160 kW

33.0 – 40.9 t

up to 16.0 m

TEREX | FUCHS Telematics SYSTEM
CONNECTS FOR YOU

WORKS FOR YOU.™

Courtesy of Crane.Market

Rear view camera and travel alarm

Standard camera (with night vision function) provides increased visibility capability under certain conditions. The optional travel alarm warns people close to the vehicle with an acoustic signal. That is activated automatically once the machine starts to drive.

Quality in detail

Anyone purchasing a material handler from Terex® Fuchs is not just buying a first-class product but is getting a German work of engineering art. Our machines are characterized by high-quality, detailed solutions, even in places which are not immediately obvious. A good example of this is our solid, high-grade distributor block which effectively prevents the hydraulic pipes between the main control block and the boom from bending.

Courtesy of Crane.Market

MHL350 – MORE THAN ONE MATERIAL HANDLER

Terex® Fuchs F-Series Material Handlers – benchmark for power and efficiency.

Sensitive hydraulic and application-oriented kinematics for efficient power management.

Power is important. What is even more important, is using that power efficiently and purposefully. This is where the interplay between the MHL350 F material handler's engine and hydraulics impresses with striking performance data, as well as speed, precision, and fuel efficiency. The hydraulic system holds the reserves necessary for achieving quick work cycles, even under heavy loads. The work movements can be performed jolt-free with the clever kinematics, just as extremely gentle yet highly precise maneuvers can be executed.

Featuring a three-stage power operation, that provides substantial fuel savings, conveniently located on the machine's new multifunction button control panel, the F-Series material handler can be set to **Power Mode**, providing the operator with enhanced power and speed for heavy-duty applications such as feeding the shredder, loading / unloading trailers and rail cars, or magnet operation.
However, tasks like cleaning the yard and sorting material do not require 100 % power demand from the engine, and when facing less-demanding, medium-duty tasks, the operator can simply press the **Eco Mode**. This delivers up to 27 % fuel savings over full power, while still offering high lifting and slewing rates.
When the material handler is performing low-demand tasks such as sorting, the operator can choose to switch the machine to **Eco+ Mode** to reduce engine RPM by up to 19 %, using 80 % of full engine horse-power. Eco+ Mode is designed to decrease fuel consumption, offering up to 36 % fuel savings.

Low emission
sustains operators and nature

The MHL350 F-Series Material Handlers are powered by a new 160 kW turbocharged engine that uses selective catalytic reduction (SCR) technologies to offer an advanced, reliable and fuel-efficient method for meeting stringent emissions regulations. Passive regeneration of the diesel particulate filter (DPF) provides a simple system.

Courtesy of Crane.Market

Up to **5.6 m**
viewing height!

Driver's cab
Adjustable with infinite variability

The spacious driver's cab can be moved upwards hydraulically, with infinite variability **up to a height of 5.6 m**. Soundproof and heat-insulated large windows provide excellent visibility.

Ergonomic driver's seat
Multi-position adjustment

Flexible setting options, head and lower lumbar support provide a comfortable working environment.

7" touch display
With direct menu selection

The 7" graphical touch display offers quick and clear illustrations of all displays. Simple menu navigation is provided directly through the display, which has little or no 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.

Courtesy of Crane.Market

EXPERIENCE THE IMPACT OF UNIQUE PRODUCTIVITY.

Top performance and fuel efficiency go together perfectly.

Handling all kinds of material can be so easy and fast – if you rely on innovations made by Terex® Fuchs.
These properties distinguish the Terex® Fuchs MHL350 F material handler. When developing the new generation, we placed special attention on driving and driver enjoyment. In particular, the overhauled hydraulics offer more speed and efficiency in everyday operations. The driver controls this powerhouse securely and precisely in the cab, which provides a pleasant and ergonomic working environment.

160 kW inside!

One of the most efficient consumption
in its class.

–99 %
diesel particles

The core element: 160 kW diesel engine

Extremely economical and up to 99% less diesel particles compared with the previous model

- Lower fuel consumption
- Optional start/stop automatics
- Reduced exhaust emissions compared to Tier IV interim
- Diesel particle filter and AdBlue injection
- Multi-function button
- Three work modes: Eco Plus / Eco / Power
- Proven and robust exhaust gas cleaning system (SCR) and passive regeneration (DPF)

Multifunction Button

- ECO Mode
- ECO+ Mode
- Power Mode (100 %)

Fine Mode operation

Using **Fine Mode** in addition to Eco, Eco+, Power Mode reduces speed for delicate handling operations and precise maneuvering.

Courtesy of Crane.Market

THE NEW F-SERIES. THE FUTURE OF MATERIAL HANDLING IS NOW.

New design meets new features.

Courtesy of Crane.Market

The MHL350 F material handler sets the standard in modern technology with more sophisticated hydraulics and an exceptionally comfortable driver's cabin. Through a combination of power and low fuel consumption, as well as the powerful yet sensitive hydraulics, demanding loading tasks can be completed efficiently. The MHL350 F material handler represents the new generation of Terex® Fuchs loading machines. The new design with classic Fuchs-style elements combined with the latest technologies embodies the perfect blend of tradition, quality, and innovative spirit. More than ever the MHL350 F material handler is the symbol for economy and robustness for deployment in scrap yards.

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 exceptional cooling performance.

Air conditioning

The 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.

Courtesy of Crane.Market

Further advantages of the MHL350 F material handler.

Terex Fuchs tool filter
Effective protection against hydraulic oil contamination

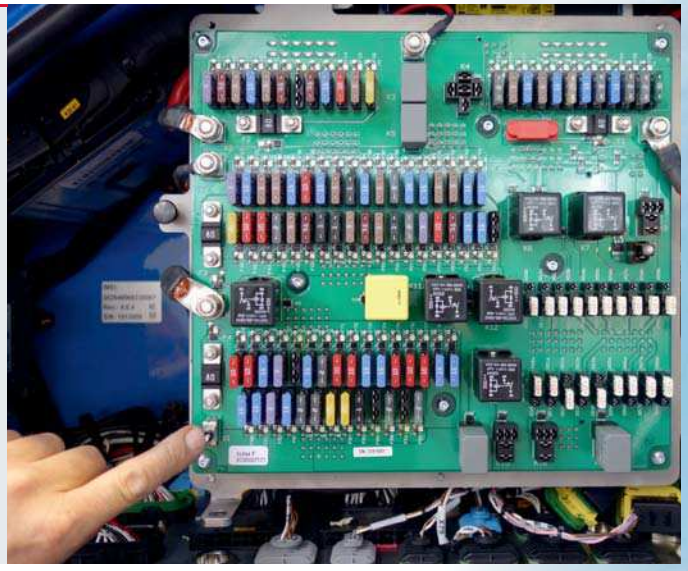
Clean hydraulic oil extends the service life of all hydraulic components many times over, thus saving costs. This is why we at Terex Fuchs pay special attention to the purity of the hydraulic system.
With the optional tool filter, system impurities that can arise when attachments are changed frequently can be effectively avoided.
The system has been specially developed for use on our loading machines. The filters clean the hydraulic oil which flows back from the attachments just in front of the main control block. The system is monitored electronically.

CAN Bus system

With CAN Bus technology, Terex® Fuchs established a well-known automotive standard for loading machines, years ago. The high transmission rates enable continuous diagnosis of the main control components remotely and in real time – with CAN you can.

Another advantage
of the modern Terex® Fuchs electrical

With our innovative backup rapid test a blown fuse can be located quickly and easily even under difficult lighting conditions.



Reliable technology
and ease of servicing

Terex® Fuchs machines feature high-quality components from leading suppliers to deliver a high level of quality and reliability.
The unique service platform simplifies daily machine checks considerably. Main components such as the engine, diesel, AdBlue and hydraulic oil tanks, etc. can be reached from the platform easily and above all safely.
The result is added safety and ease of servicing for you.

Courtesy of Crane.Market

STANDS STRONG. WORKS HARD. ACHIEVES MORE.

Excellence is best based on a solid foundation.

MHL355 F material handler with the extended undercarriage allows even more stability.

Courtesy of Crane.Market

TECHNICAL DATA

SERVICE WEIGHT WITHOUT ATTACHMENT

MHL350 F	33.0–35.5 t
MHL355 F	36.0–40.9 t

DIESEL ENGINE

Manufacturer and model	Deutz TCD 6.1 L6
Design	6-cylinder inline
Engine control	EMR IV
Type	4-stroke diesel, common rail direct injection, turbocharger, controlled exhaust gas recirculation, diesel particulate filter with automatic regeneration and SCR-cat automatic regenerationcat
Engine output	160 kW
Nominal speed	2000 rpm
Displacement	6,057 cm^3
Cooling system	Combi-cooler (coolant/ charge air) with fan speed control, system; optional reversing function
Emission standard	Stage IV/EPA Tier final
Air filter design	Two-stage filter with safety cartridge and pre-separator with discharge valve
Usable tank capacity	315 l Diesel + 32 l Ad Blue

ELECTRICAL SYSTEM

Generator	28 V / 100 A
Operating voltage 24 V	24 V
Battery	2 × 12 V / 110 Ah / 750 A (in accoordance with EN)
Lighting set	2 × H3 headlamps, turn indicators and tail lights
Option	13 kW or 20 kW DC generator with controls and insulation monitoring, driven by V-belt direct from diesel engine

TRANSMISSION

Hydrostatic travel drive via infinitely variable axial piston motor with directly mounted travel brake valve, two-speed manual gearshift, 4-wheel drive

Maximum speed 1st gear	max. 5 km/h
Maximum speed 2nd gear	max. 20 km/h
Gradeability	max. 39 %
Turning radius	8.0 m

SLEWING GEAR

Swing gear	Internally toothed double-row ball ring gear
Drive	3-stage planetary gear with integrated multi-disc brake
Upper carriage swing speed	Infinitely variable from 0–7 rpm
Swing brake	Electrically operated
Max. pivot torque	80 kNm

UNDERCARRIAGE MHL350 F

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted,max. steering angle 27°
Rear axle	Oscillating axle with integral drum brake and selectable oscillating axle lock
Stabilizers	4-point stabilizer system
Tires	Solid rubber, 8-ply 12.00-20

UNDERCARRIAGE MHL355 F

Front axle	Planetary drive axle with integrated drum brake, rigidly mounted,max. steering angle 27°
Rear axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
Stabilizers	4-point stabilizer system
Tires	Solid rubber, 8-ply 12.00-24

BRAKE SYSTEM

Service brake	Hydraulic single-circuit braking system acting on all four wheel pairs
Parking brake	Electrically operated disc brake on transmission acting on both front and rear axles

HYDRAULIC SYSTEM

LINDE mobile hydraulic system with load limit control and fuelsaving power demand control. Separate hydraulic oil cooler, temperature-controlled fan speed

Hydraulic oil filter	Integral return filter in oil tank for work hydraulics, with 3000 operating hours service interval
Max. pump capacity	2 × 330 l/min
Max. operating pressure	320 / 360 bar
Hydraulic oil tank	535 l usable tank capacity

OPERATOR'S CAB

Cab raising system	Infinitely variable hydraulic height-adjustment with eye level up to 5.60 m above ground. Flexibly mounted. 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	Infinitely variable heating with 3-speed fan, 6 adjustable defroster nozzles (hot water system)
Operator's seat	Air-cushioned high-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 relative to position of armrests and pilot control units, allowing comfortable operation
Monitoring	Ergonomic layout; glare-free instrumentation. Multifunction display, automatic monitoring and recording of abnormal operating conditions (including all hydraulic oil filters, hydraulic oil temperature (cold / hot) – coolant temperature and charge air temperature – condition of cooling system, diesel particulate filter load), visual and audible warning indication with shutdown of pilot control/ engine power reduction. Diagnosis of individual sensors available via the multi-function display. Rear view camera"
Air conditioning	Automatic
Acoustic power level	LW(A) = 101 dB(A) (guaranteed) in accordance with directive 2000/14 EC; max allowable under 2000/14 EC = 104 dB(A)

OFFICIAL HOMOLOGATION

Certified in accordance with CE regulations

EQUIPMENT

ENGINE

	STANDARD	OPTION
Charge air cooling	●	
Direct electronic fuel injection/common rail	●	
Automatic idle	●	
Engine preheating		●
Engine diagnostics interface	●	
System-controlled fan drive with fan speed monitoring	●	

UNDERCARRIAGE

	STANDARD	OPTION
All-wheel drive with differential	●	
Drum brakes	●	
Rear axle oscillating lock	●	
2-speed powershift transmission		●
4-point stabilizers	●	
Stabilizer cylinders with integrated two-way check valves	●	
Piston rod protection on stabilizer cylinders	●	
Stabilizer plates 510 × 665 mm	●	
4-point stabilizers, individually controllable		●
Tool box	●	
Special paint (customer paint work)		●

UPPERCARRIAGE

	STANDARD	OPTION
Separate cooling systems (combi-cooler for engine and hydraulic oil cooler)	●	
Cooling system fan speeds controlled by operating parameters	●	
Fan drive reversing function		●
Lockable maintenance hatches, with gas struts	●	
Automatic central lubrication system	●	
Rear view camera	●	
Travel alarm		●
Electric refuelling pump		●
Lighting protection		●
Special paint (customer paint work)		●
Cyclone prefilter		●

CAB

	STANDARD	OPTION
Hydraulically adjustable cab	●	
3-layer glass with protection film	●	
Sliding window in cab door	●	
Glazed roof panel	●	
Reinforced glass (windscreen and roof panel)		●
Windscreen washer system	●	
Windshield washer system (lower portion of windshield)		●
Air-cushioned operator seat with headrest, seatbelt, and lumbar support	●	
Seat heating with integrated A/C function		●
Steering column, height and tilt adjustable	●	
Automatic air conditioning system	●	
Independent heating system		●
Multi-function display	●	
Document clip	●	
Protective grilles to front and roof		●
12 V transformer		●
Radio CD & USB		●
12 V socket		●
Fire extinguisher, dry powder		●
Rotating beacon		●

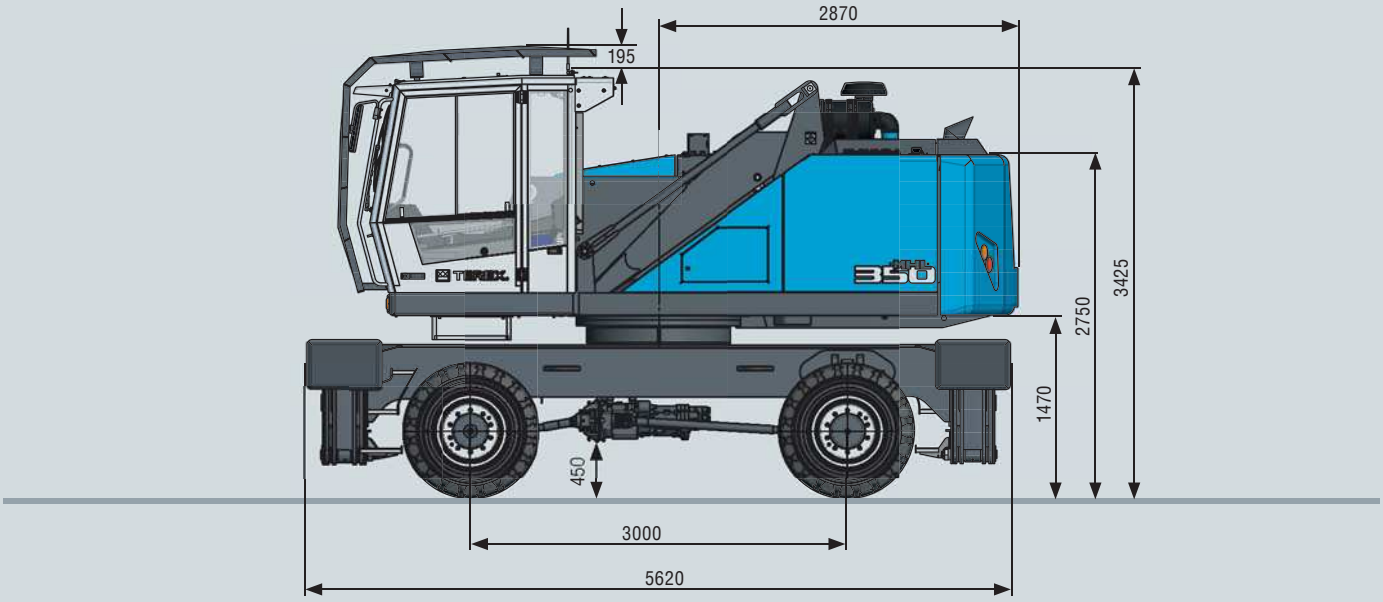
EQUIPMENT

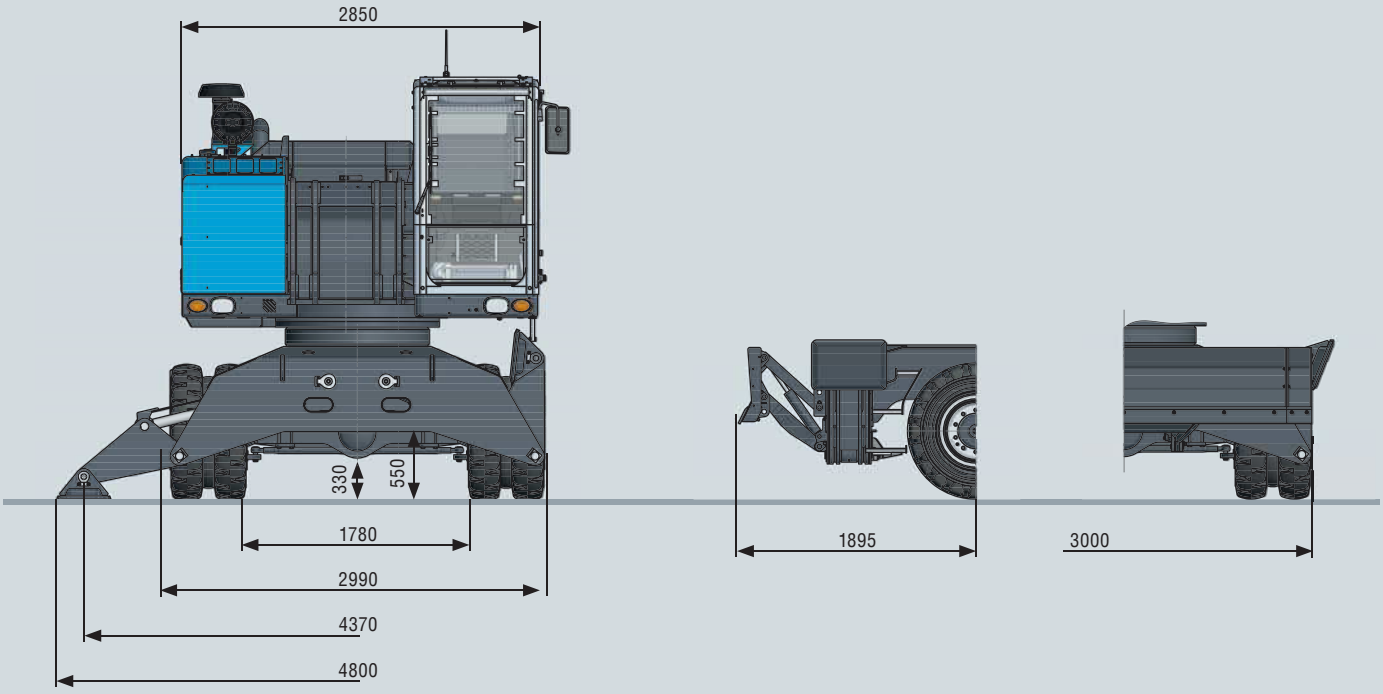
13 kW DC generator with controls		●
20 kW DC generator with controls		●
Close proximity range limiter for dipperstick	●	
Coolant and hydraulic oil level monitoring system	●	
Filter system for attachments		●
Hose rupture value for boom cylinder		●
Hose rupture value for stick cylinder		●
Overload and work area control		●
Overload warning device		●
Quick coupling on dipperstick	●	
Dipperstick impact protection		●
Active cyclone prefilter (TOP AIR)		●
Hydraulic oil preheating 230 V		●
Float switch		●
Joystick steering		●
Lubrication of the grab suspension by central lubrication system	●	
Light packages H3 or LED		●
H3 front headlights	●	
Terex® Fuchs Telematics System		●

Further optional equipment available on request!

DIMENSIONS MHL350 F

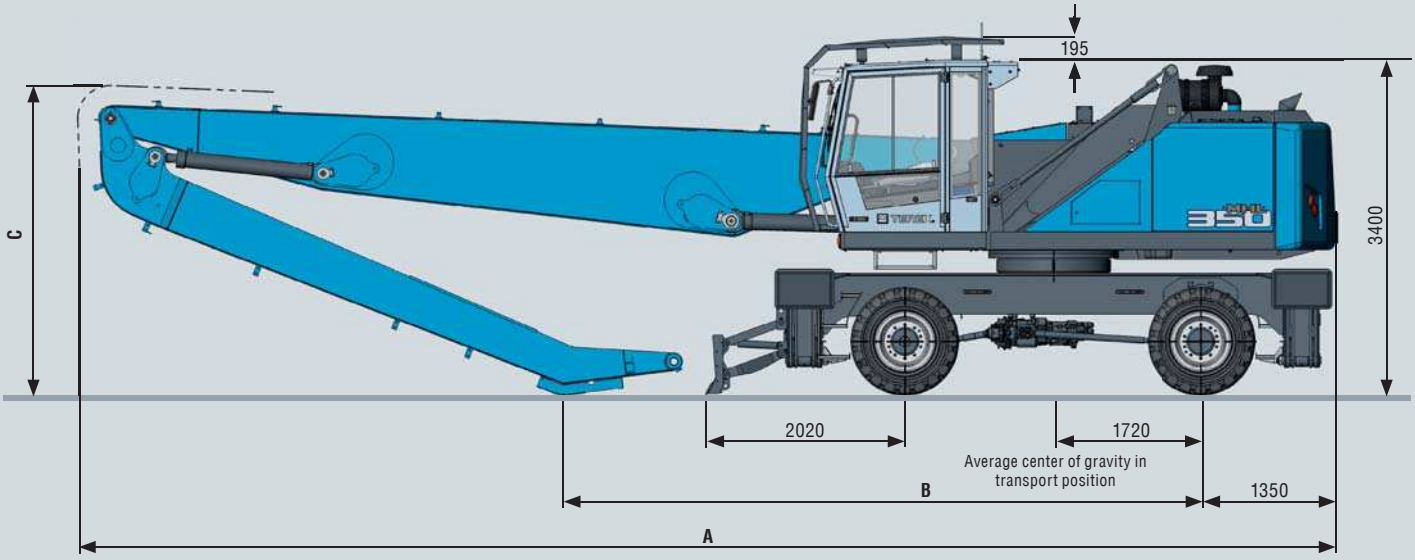
All dimensions in mm





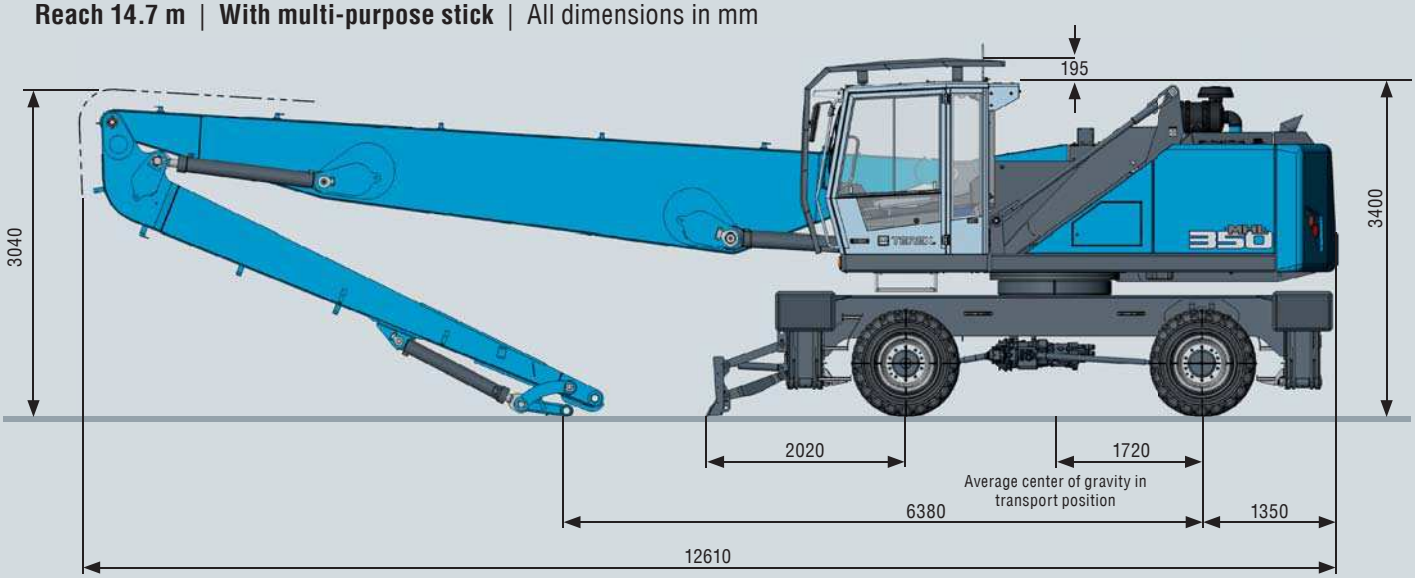
TRANSPORT DIMENSIONS MHL350 F

With dipper stick | All dimensions in mm



Dimensions	Reach 16.0 m	Reach 15.0 m
A	12,570 mm	12,610 mm
B	5,610 mm	6,450 mm
C	3,600 mm	3,020 mm

Reach 14.7 m | **With multi-purpose stick** | All dimensions in mm



MHL350 F AND MHL355 F MATERIAL HANDLER: LOADING SYSTEMS WITH DIPPERSTICK OR MULTI-PURPOSE STICK

Component	MHL350 F **16.0 m**	MHL350 F **15.0 m**	MHL350 F **14.7 m with MPS**	MHL355 F **16.0 m**
Straight boom 8.5 m	●	●	●	●
Dipperstick 6.2 m		●		
Dipperstick 7.2 m	●			●
Multi-purpose stick 5.6 m			●	

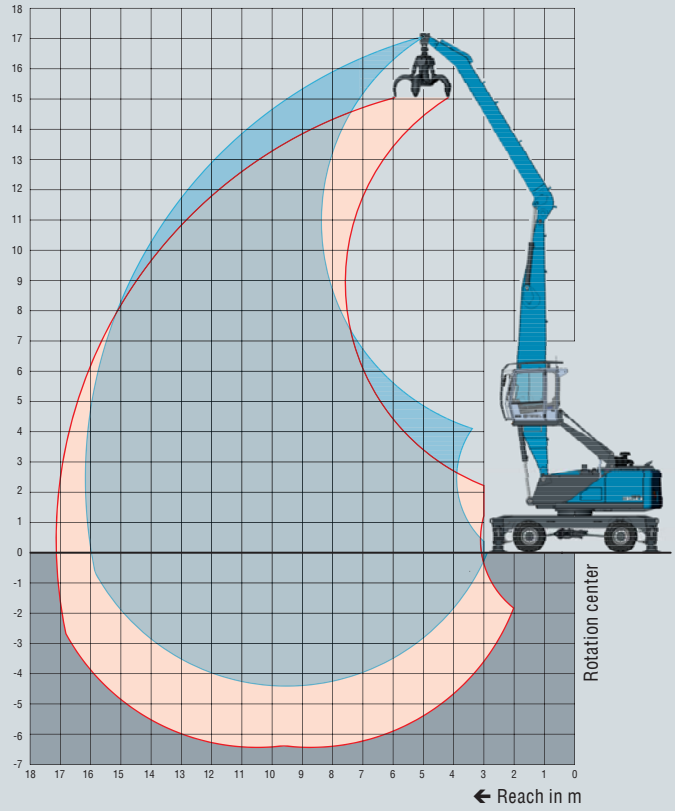
MHL350 F: WORKING RANGES / CARRYING CAPACITY

REACH 16 M WITH DIPPER STICK

Loading equipment	Boom 8.5 m Dipper stick 7.2 m Cactus grab

RECOMMENDED ATTACHMENTS

Terex® Fuchs cactus grab 0.6 m³	Open or half-closed
Terex® Fuchs magnetic plate MP 1150	dia = 1150 mm with 13 kW magnet system
Clamshell grab 1.0 m³	Density of materials handled up to 800 kg/m³



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 hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. 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
16.5	not supported		(4.2°)						
	4-point supported		4.2° (4.2°)						
15	not supported			(4.6°)	(3.3°)				
	4-point supported			4.6° (4.6°)	3.3° (3.3°)				
13.5	not supported				(4.7°)	(3.5°)			
	4-point supported				4.7°(4.7°	3.5° (3.5°)			
12	not supported				(5.4°)	(4.3)	(3.2°)		
	4-point supported				5.4° (5.4°)	4.6° (4.6°)	3.2° (3.2°)		
10.5	not supported				(5.7)	(4.3)	(3.4)	(2.6°)	
	4-point supported				5.9° (5.9°)	5.3° (5.3°)	4.3° (4.3°)	2.6° (2.6°)	
9	not supported				(5.6)	(4.3)	(3.3)	(2.6)	
	4-point supported				6.2° (6.2°)	5.6° (5.6°)	5.1° (5.1°)	3.7° (3.7°)	
7.5	not supported			(7.2°)	(5.5)	(4.2)	(3.3)	(2.6)	(2.1)
	4-point supported			7.2° (7.2°)	6.4° (6.4°)	5.7° (5.7°)	5.1° (5.1°)	4.3 (4.5°)	2.8° (2.8°)
6	not supported			(7.1)	(5.2)	(4.0)	(3.2)	(2.5)	(2.0)
	4-point supported			7.8° (7.8°)	6.7° (6.7°)	5.9° (5.9°)	5.1 (5.2°)	4.2 (4.6°)	3.5 (3.7°)
4.5	not supported	(10.1°)	(9.4)	(6.6)	(4.9)	(3.8)	(3.0)	(2.4)	(2.0)
	4-point supported	10.1° (10.1°)	10.6° (10.6°)	8.4° (8.4°)	7.1° (7.1°)	6.1° (6.1°)	5.0 (5.3°)	4.1 (4.7°)	3.4 (4.1)
3	not supported	(13.0)	(8.4)	(6.0)	(4.6)	(3.6)	(2.9)	(2.4)	(1.9)
	4-point supported	16.9° (16.9°)	11.7° (11.7°)	9.0° (9.0°)	7.4° (7.4°)	5.9 (6.2°)	4.8 (5.4°)	4.0 (4.7°)	3.4 (4.0°)
1.5	not supported	(5.3°)	(7.5)	(5.5)	(4.2)	(3.4)	(2.7)	(2.3)	(1.9)
	4-point supported	5.3° (5.3°)	12.5° (12.5*)	9.4° (9.4°)	7.2 (7.6°)	5.7 (6.3°)	4.7 (5.4°)	3.9° (4.6°)	3.3 (3.9°)
0	not supported	(3.8°)	(6.9)	(5.1)	(4.0)	(4.0)	(2.6)	(2.2)	(1.8)
	4-point supported	3.8° (3.8°)	9.2° (9.2°)	8.9 (9.5°)	6.9 (7.6°)	6.9 (7.6°)	4.5 (5.3°)	3.8 (4.5°)	3.3 (3.7°)
–1.5	not supported	(3.9°)	(6.5)	(4.8)	(3.8)	(3.1)	(2.5)	(2.1)	(1.8)
	4-point supported	3.9° (3.9°)	7.1° (7.1°)	8.7 (9.1°)	6.7 (7.3°)	5.4 (6.0°)	4.4 (5.0°)	3.8 (4.1°)	3.2° (3.2°)
–3	not supported		(6.4)	(4.7)	(3.7)	(3.0)	(2.5)	(2.1)	
	4-point supported		6.8° (6.8°)	8.3° (8.3°)	6.5 (6.7°)	5.3 (5.5°)	4.4 (4.5°)	3.6° (3.6°)	
									Max. reach 16.1 m
2.5	not supported								(1.7)
	4-point supported								1.9° (1.9°)

MHL350 F: WORKING RANGES / CARRYING CAPACITY

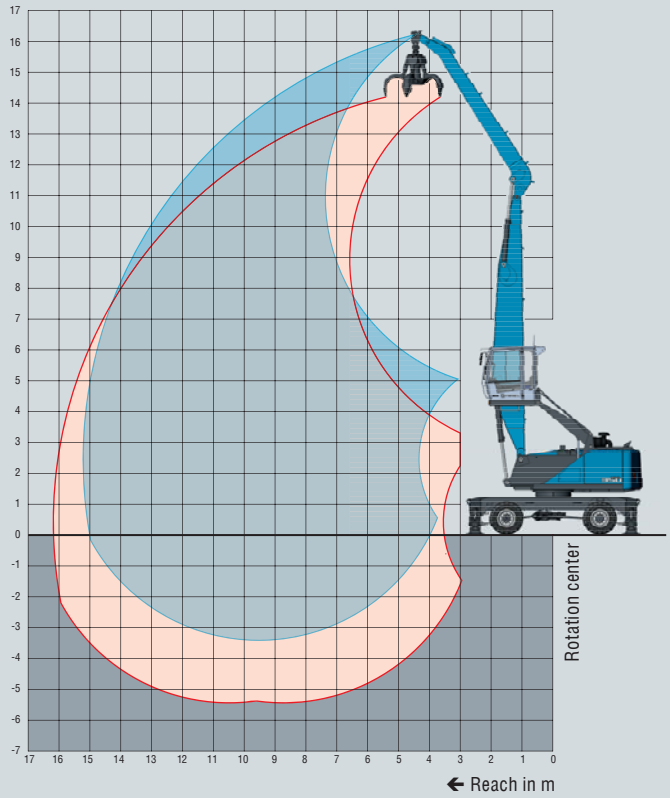
REACH 15 M WITH DIPPER STICK

Loading equipment	Boom 8.5 m Dipper stick 6.2 m Cactus grab

RECOMMENDED ATTACHMENTS

Terex® Fuchs cactus grab 0.6 m³	Open or half-closed
Terex® Fuchs cactus grab 0.8 m³	Open or half-closed
Terex® Fuchs magnetic plate MP 1250	dia = 1250 mm with 20 kW magnet system
Clamshell grab 1.4 m³	Density of materials handled up to 1600 kg/m³
Clamshell grab 1.6 m³	Density of materials handled up to 800 kg/m³
Lift hook	10 t

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 devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. For object handling application the machine has to be supported on a level ground.

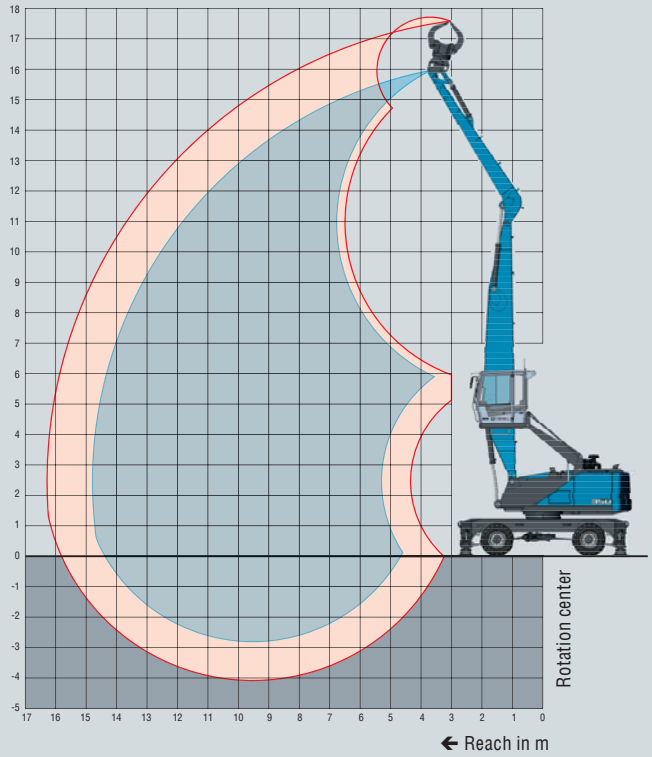


Height [m]	Undercarriage outrigger	Reach [m]							
		4.5	6	7.5	9	10.5	12	13.5	15
15	not supported		(5.5°)	(3.7°)					
	4-point supported		5.5° (5.5°)	3.7° (3.7°)					
13.5	not supported			(5.7°)	(4.3°)				
	4-point supported			5.7° (5.7°)	4.3° (4.3°)				
12	not supported			(6.5°)	(5.5)	(4.1)			
	4-point supported			6.5° (6.5°)	5.7° (5.7°)	4.3° (4.3°)			
10.5	not supported			(7.2°)	(5.5)	(4.2)	(3.2)		
	4-point supported			7.2° (7.2°)	6.6° (6.6°)	5.6° (5.6°)	3.8° (3.8°)		
9	not supported			(7.4)	(5.4)	(4.1)	(3.2)	(2.5)	
	4-point supported			7.6° (7.6°)	6.7° (6.7°)	5.9° (5.9°)	5.1° (5.1°)	2.6° (2.6°)	
7.5	not supported			(7.1)	(5.3)	(4.0)	(3.2)	(2.5)	
	4-point supported			8.0° (8.0°)	6.9° (6.9°)	6.0° (6.0°)	5.1 (5.3°)	4.1° (4.1°)	
6	not supported		(9.7)	(6.7)	(5.0)	(3.9)	(3.1)	(2.5)	
	4-point supported		10.5° (10.5°)	8.5° (8.5°)	7.1° (7.1°)	6.2° (6.2°)	5.0 (5.4°)	4.1 (4.8°)	
4.5	not supported	(13.9)	(8.8)	(6.3)	(4.7)	(3.7)	(3.0)	(2.4)	(2.0)
	4-point supported	16.3° (16.3°)	11.6° (11.6°)	9.0° (9.0°)	7.4° (7.4°)	6.1 (6.3°)	5.0 (5.5°)	4.1 (4.8°)	2.9° (2.9°)
3	not supported	(6.4°)	(7.9)	(5.8)	(4.4)	(3.5)	(2.8)	(2.3)	(1.9)
	4-point supported	6.4° (6.4°)	12.5° (12.5°)	9.5° (9.5°)	7.4 (7.7°)	5.8 (6.4°)	4.8 (5.5°)	4.0 (4.7°)	3.4° (3.4°)
1.5	not supported		(7.1)	(5.3)	(4.1)	(3.3)	(2.7)	(2.3)	(1.9)
	4-point supported		10.3° (10.3°)	9.2 (9.7°)	7.1 (7.8°)	5.6 (6.4°)	4.7 (5.4°)	3.9 (4.6°)	3.3° (3.3°)
0	not supported		(6.7)	(5.0)	(3.9)	(3.2)	(2.6)	(2.2)	(1.9)
	4-point supported		7.0° (7.0°)	8.9 (9.5°)	6.8 (7.6°)	5.5 (6.3°)	4.5 (5.2°)	3.9 (4.3°)	3.0° (3.0°)
–1.5	not supported		(6.5°)	(4.9)	(3.8)	(3.1)	(2.6)	(2.2)	
	4-point supported		6.5° (6.5°)	8.7° (8.7°)	6.7 (7.1°)	5.4 (5.9°)	4.5 (4.8°)	3.8° (3.8°)	
–3	not supported			(4.8)	(3.8)	(3.1)			
	4-point supported			7.6° (7.6°)	6.3° (6.3°)	5.2° (5.2°)			
									Max. reach 15.2 m
2.5	not supported								(1.9)
	4-point supported								2.4° (2.4°)

MHL350 F: WORKING RANGES / CARRYING CAPACITY

REACH 14.7 M WITH MULTI-PURPOSE STICK

Loading equipment	Boom 8.5 m
	Multi-purpose stick 5.6 m
	Sorting grab

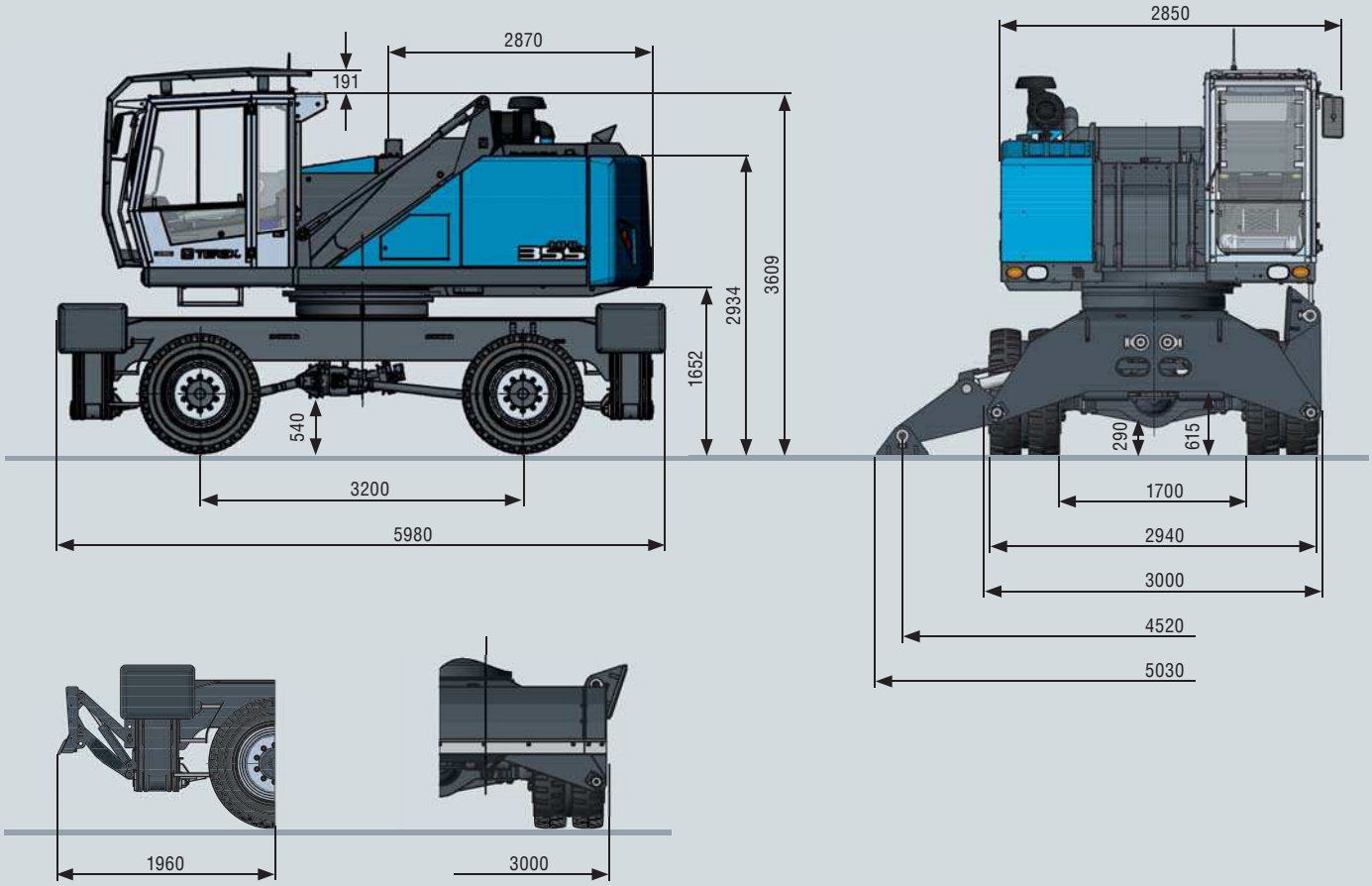


The lift capacity values are stated in metric tons (t). The pump pressure is 360 bar. In accordance with ISO 10567 the lift capacity values represents 75% of the static tipping loads or 87% of the hydraulic lifting force (marked °). On solid and level ground the values apply to a swing range of 360°. 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 hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. 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	not supported		(4.6°)					
	4-point supported		4.6° (4.6°)					
13.5	not supported			(5.4°)				
	4-point supported			5.4° (5.4°)				
12	not supported			(6.7°)	(5.1)	(3.4°)		
	4-point supported			6.7° (6.7°)	5.5° (5.5°)	3.4° (3.4°)		
10.5	not supported			(7.1)	(5.2)	(3.9)	(2.6°)	
	4-point supported			7.6° (7.6°)	6.6° (6.6°)	5.4° (5.4°)	2.6° (2.6°)	
9	not supported			(7.0)	(5.1)	(3.9)	(3.0)	
	4-point supported			7.8° (7.8°)	6.7° (6.7°)	5.9° (5.9°)	4.7° (4.7°)	
7.5	not supported		(9.8°)	(6.8)	(5.0)	(3.8)	(2.9)	(2.3)
	4-point supported		9.9° (9.9°)	8.1° (8.1°)	6.9° (6.9°)	5.9° (5.9°)	4.9° (5.2°)	3.0° (3.0°)
6	not supported	(13.7°)	(9.2)	(6.4)	(4.7)	(3.6)	(2.9)	(2.3)
	4-point supported	13.7° (13.7°)	10.8° (10.8°)	8.5° (8.5°)	7.1° (7.1°)	6.0 (6.1°)	4.8 (5.3°)	3.9 (4.4°)
4.5	not supported	(12.8)	(8.3)	(5.9)	(4.4)	(3.5)	(2.8)	(2.2)
	4-point supported	17.1° (17.1°)	11.8° (11.8°)	9.0° (9.0°)	7.4° (7.4°)	5.8 (6.2°)	4.7 (5.3°)	3.9 (4.5°)
3	not supported		(7.4)	(5.4)	(4.2)	(3.3)	(2.6)	(2.2)
	4-point supported		12.5° (12.5°)	9.3 (9.4°)	7.1 (7.5°)	5.6 (6.2°)	4.6 (5.3°)	3.8 (4.4°)
1.5	not supported		(6.8)	(5.0)	(3.9)	(3.1)	(2.5)	(2.1)
	4-point supported		7.6° (7.6°)	8.9 (9.4°)	6.8 (7.5°)	5.4 (6.2°)	4.5 (5.1°)	3.7 (4.2°)
0	not supported		(6.1°)	(4.8)	(3.7)	(3.0)	(2.5)	(2.1)
	4-point supported		6.1° (6.1°)	8.6 (9.0°)	6.6 (7.2°)	5.3 (5.9°)	4.4 (4.9°)	3.7 (3.9°)
–1.5	not supported		(6.2°)	(4.7)	(3.6)	(2.9)	(2.4)	
	4-point supported		6.2° (6.2°)	8.1° (8.1°)	6.5 (6.6°)	5.2 (5.4°)	4.3° (4.4°)	
								Max. reach 14.7 m
2.5	not supported							(1.8)
	4-point supported							2.6° (2.6°)

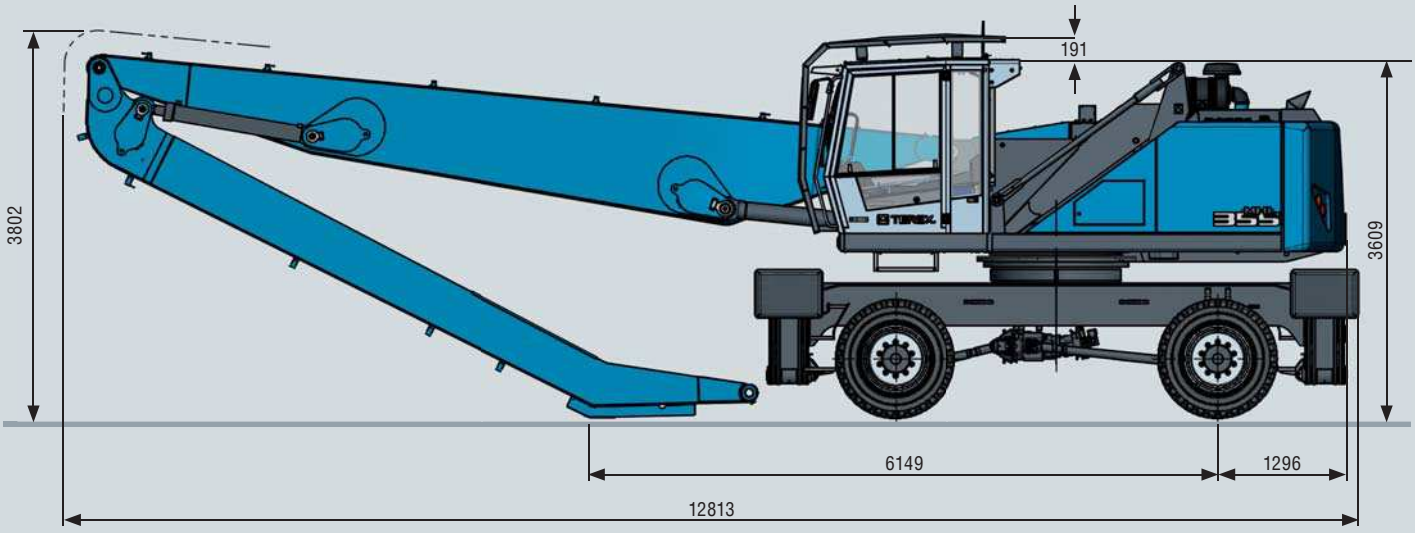
DIMENSIONS MHL355 F

All dimensions in mm



TRANSPORT DIMENSIONS MHL355 F

All dimensions in mm



MHL355 F: WORKING RANGES / CARRYING CAPACITY

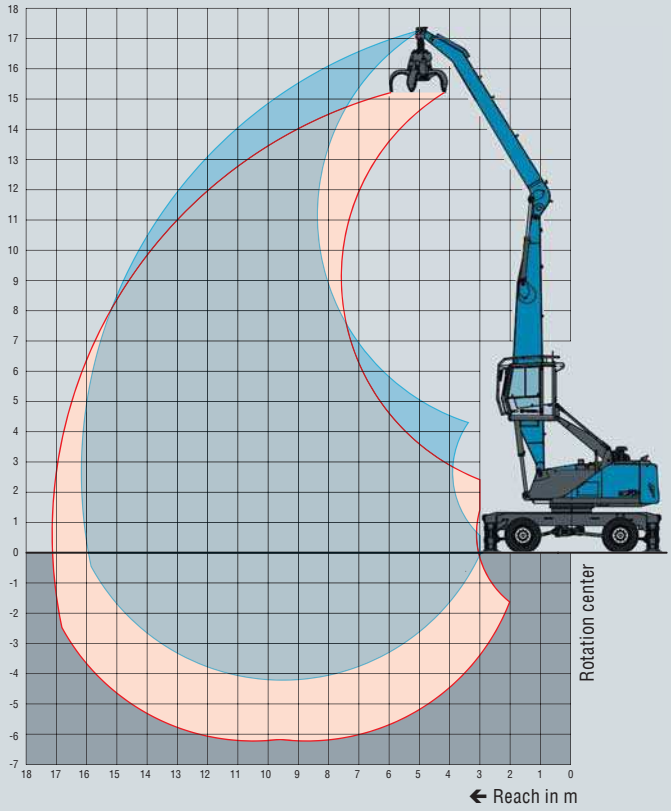
REACH 16 M

Loading equipment	Boom 8.5 m Dipperstick 7.2 m Cactus grab

RECOMMENDED ATTACHMENTS

Terex® Fuchs cactus grab 0.6 m³	Open or half-closed
Terex® Fuchs magnetic plate MP 1150	dia = 1150 mm with 13 kW magnet system
Clamshell grab 1.0 m³	Density of materials handled up to 800 kg/m³

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 hock, etc.) must be deducted from the lift capacity values. The working load of the lifting devise must be observed. In accordance with the EN 474-5 for object handling application hose rupture valves on the boom and stick cylinders, an overload warning device and the lift capacity table in the cab are required. 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	15
16.5	not supported			(4.5)°						
	4-point supported			4.5° (4.5)°						
15	not supported				(4.8)°	(3.6)°				
	4-point supported				4.8° (4.8)°	3.6° (3.6)°				
13.5	not supported					(4.8)°	(3.7)°			
	4-point supported					4.8° (4.8)°	3.7° (3.7)°			
12	not supported					(5.5)°	(4.7)°	(3.4)°		
	4-point supported					5.5° (5.5)°	4.7° (4.7)°	3.4° (3.4)°		
10.5	not supported					(6.0)°	(5.3)	(4.2)	(2.8)°	
	4-point supported					6.0° (6.0)°	5.4° (5.4)°	4.5° (4.5)°	2.8° (2.8)°	
9	not supported					(6.3)°	(5.3)	(4.2)	(3.4)	
	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)°	(6.5)°	(5.2)	(4.1)	(3.4)	(2.7)°
	4-point supported				7.4° (7.4)°	6.5° (6.5)°	5.8° (5.8)°	5.2° (5.2)°	4.7° (4.7)°	2.7° (2.7)°
6	not supported				(8.0)°	(6.4)	(5.0)	(4.0)	(3.3)	(2.7)
	4-point supported				8.0° (8.0)°	6.8° (6.8)°	5.9° (5.9)°	5.3° (5.3)°	4.7° (4.7)°	3.4° (3.4)°
4.5	not supported		(11.3)°	(10.8)°	(8.1)	(6.1)	(4.8)	(3.9)	(3.2)	(2.7)
	4-point supported		11.3° (11.3)°	10.8° (10.8)°	8.6° (8.6)°	7.1° (7.1)°	6.1° (6.1)°	5.4° (5.4)°	4.7° (4.7)°	4.0° (4.0)°
3	not supported		(16.0)	(10.4)	(7.5)	(5.7)	(4.6)	(3.7)	(3.1)	(2.6)
	4-point supported		17.3° (17.3)°	11.9° (11.9)°	9.2° (9.2)°	7.5° (7.5)°	6.3° (6.3)°	5.4° (5.4)°	4.7° (4.7)°	4.1° (4.1)°
1.5	not supported		(4.9)°	(9.5)	(7.0)	(5.4)	(4.4)	(3.6)	(3.0)	(2.6)
	4-point supported		4.9° (4.9)°	12.6° (12.6)°	9.5° (9.5)°	7.7° (7.7)°	6.4° (6.4)°	5.4° (5.4)°	4.6° (4.6)°	3.9° (3.9)°
0	not supported	(1.9)°	(3.8)°	(8.8)°	(6.6)	(5.1)	(4.2)	(3.5)	(2.9)	(2.5)
	4-point supported	1.9° (1.9)°	3.8° (3.8)°	8.8° (8.8)°	9.5° (9.5)°	7.6° (7.6)°	6.3° (6.3)°	5.3° (5.3)°	4.5° (4.5)°	3.7° (3.7)°
–1.5	not supported		(3.9)°	(7.1)°	(6.3)	(5.0)	(4.0)	(3.4)	(2.9)	(2.5)
	4-point supported		3.9° (3.9)°	7.1° (7.1)°	9.1° (9.1)°	7.3° (7.3)°	6.0° (6.0)°	5.0° (5.0)°	4.1° (4.1)°	3.2° (3.2)°
–3	not supported			(6.8)°	(6.2)	(4.9)	(4.0)	(3.3)	(2.9)	
	4-point supported			6.8° (6.8)°	8.2° (8.2)°	6.7° (6.7)°	5.5° (5.5)°	4.5° (4.5)°	3.6° (3.6)°	

Max. reach 16.1 m

MODULAR SYSTEM

Attachments

furthermore

Timber grab

Scrap shears

Magnetic plate

Load hook

Cactus grab

Sorting grapple

Clamshell grab

Work equipment

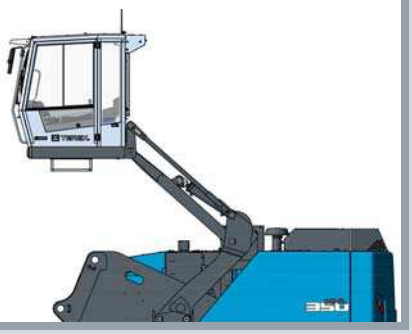
Work equipment straight

Work equipment with multipurpose stick

Work equipment cranked

Uppercarriage

Cab system hydraulically adjustable
Viewing height: max. 5.6 m



Engine

Diesel engine

Electric motor

Options

Cable reel

Cable drum

Power Pack

Undercarriage

Pylon
up to max. **0.80 m**

Pylon
up to max. **1.40 m**

Pylon
up to max. **0.80 m**

Pylon
up to max. **3.70 m**

Pylon
up to max. **3.70 m**

Mobile: Standard-Undercarriage

Mobile special: For extended undercarriage

Crawler: Standard-Undercarriage

Crawler: XL-Undercarriage

Pedestal undercarriage

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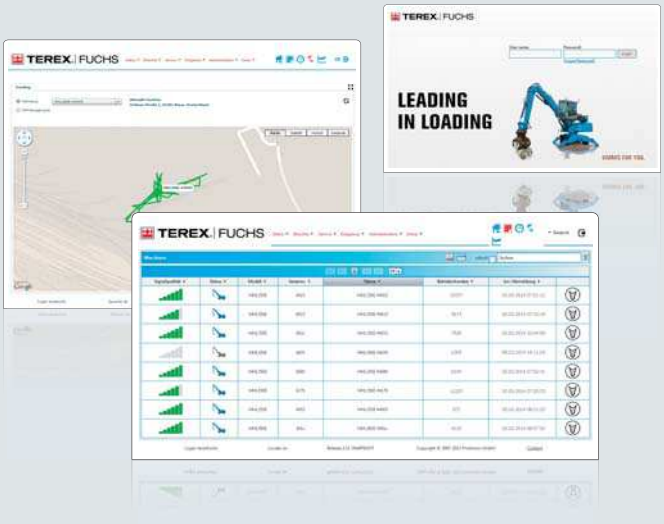

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