

# MATERIAL HANDLER

**ECO  
MODE  
READY**



## Specifications

Standard Machine Weight	62,500 lbs   28.2 t
Engine Output	173 hp   129 kW
Reach	Up to 44.9 ft   13.7 m

## Features

- ▶ Fuel saving ECO & ECO+ operating modes enhance flexibility while reducing operating costs
- ▶ With its long reach and high lifting capacities, the MHL340 E from Terex® Fuchs is among the top performers in recycling and scrap material handling
- ▶ Purpose built design provides comfort and reliability in the most challenging of situations
- ▶ Powerful 173 hp | 129 kW turbo diesel engine and high-performance dual-circuit hydraulic system enables efficient and precise working maneuvers
- ▶ MHL340 E can be efficiently operated from within the hydraulically height adjustable cab; a large color display monitor and ergonomic controls help to ensure the operator remains in complete command of the situation at hand

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# SPECIFICATIONS

## ENGINE

Manufacturer, Model	Deutz TCD 6.1 L6
Design	6-cylinder inline
Engine Control	EMR IV
Type	4-stroke diesel, direct common fuel injection, turbocharged with charge air cooling
Engine Output	173 hp   129 kW
Nominal Speed	2000 rpm
Displacement	372 in <sup>3</sup>   6.1 L
Cooling System	Liquid intercooling with temperature-controlled fan speed
Emission Standards	EPA Tier IV interim
Air Filter Design	Two-stage filter
Fuel Tank Capacity	100.4 gal   380 L
Operating Modes:	
Power Mode	Optimal power and speed for heavy duty applications
ECO Mode	Fuel consumption reduced for medium duty applications
ECO+ Mode	Fuel consumption optimized for light duty applications

## ELECTRICAL SYSTEM

Operating Voltage	24 V
Batteries	2 x 12 V / 100 Ah / 760 A (in accordance with EN)
Lighting Set	1 x H3 spotlights on upper carriage, 1 x H3 spotlights on cabin floor, turn signal and rear side-marker lamps
Generator	17 kW generator with controls and insulation monitoring, driven by V-belt direct from diesel engine

## TRAVEL DRIVE

Hydrostatic drive through infinitely variable axial piston motor, directly mounted travel brake valves, two-speed shift gear, all-wheel drive	
Travel Speed	
1 <sup>st</sup> gear	Maximum 3.1 mph   5.0 kph
2 <sup>nd</sup> gear	Maximum 12.4 mph   20 kph
Gradeability	Maximum 45%
Turning Radius	26.9 ft   8.2 m

## SWING SYSTEM

Ring Gear	Internally toothed ball ring gear (double row)
Drive	3-stage planetary gear with integrated multi-disc brake
Upper Carriage Swing Speed	Infinitely variable from 0 - 7 rpm
Pivot Brake	Electrically operated

## UNDERCARRIAGE

Front Axle	Planetary drive axle with integrated drum brake, rigidly mounted, maximum steering angle: 27°
Rear Axle	Oscillating planetary drive rear axle with integrated drum brake and selectable oscillating axle lock
Stabilizers	4-point stabilizers
Tires	Solid rubber, elastic tires 8-fold 10.00 - 20



## ELECTRIC DRIVE

Electric drive machine options are available in a variety of stationary or semi-mobile configurations tailored according to customer requirements

## BRAKE SYSTEM

Service Brake	Hydraulic single circuit braking system acting on all four wheel pairs
Parking Brake	Electrically operated disc brake at transmission, acting on both axles

## OPERATOR'S CAB

Cab: elastically supported, infinitely variable hydraulically height-adjustable with maximum eye level of 17.7 ft | 5.4 m. Large windows for excellent 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, 6 adjustable defroster nozzles

Operator's Seat: Air-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 line with position of armrests and pilot control units, allowing low fatigue operation.

Monitoring: Ergonomic instrument layout, glare resistant. 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 when exceeding hydraulic oil temperature limits.

Air conditioning: Automatic

Sound power level (guaranteed) in accordance with guideline 2000/14 EC:  $L_{W(A)} = 101 \text{ dB(A)}$

## HYDRAULIC SYSTEM

LINDE mobile hydraulic system with 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: up to 3,000 operating hours. Central lubrication system. Optional tool/attachment filter system.

Maximum pump capacity	2 x 87.2 g/min   2 x 330 L/min
Maximum operating pressure	4,641 / 5,221 psi   320 / 360 bar
Hydraulic oil tank	92.5 gal   350 L

# MHL340 E

## EQUIPMENT SERIES OPTION

Floodlights attached to cab floor	•
Floodlights, mounted to superstructure	•
Floodlight, stick mounted left	•
Ball valves on stick	•
Close proximity range limiter for stick	•
Coolant and hydraulic oil level monitoring system	•
Hose rupture protection for lifting cylinders	•
Hose rupture protection for stick cylinders	•
Stick shock protection	•
Lubrication of the grab suspension by central lubrication system	•
Overload protection / shutdown	•
XENON floodlight on stick	•
XENON floodlight on superstructure	•
XENON floodlight on cab roof	•
Filter system for attachments	•

## UPPERCARRIAGE SERIES OPTION

Electric refuelling pump	•
Lighting protection	•
Maintenance hood, actuated by gas strut, with mechanical locking device	•
Lockable cleaning access openings on radiators	•
Separate radiator system for ambient temperatures up to 122° F (50° C)	•
Separate oil cooler with temperature-controlled fan drive	•
Automatic central lubrication system	•
Special paint	•
Quick-drain valve for fuel tank (delivered 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	•

## ATTACHMENTS SERIES OPTION

Open-tine grapple	•
Half-closed grapple	•
Mag grapple combination	•
Magnet plate	•
Scrap shear	•
Clamshell bucket	•
Log heel	•
Log grapple	•
Pipe handler	•
Load hook	•

## ENGINE SERIES OPTION

Exhaust gas turbocharger	•
Intercooling	•
Direct electronic fuel injection/ Common Rail	•
Automatic idle	•
Interface for engine diagnosis	•
Temperature-controlled fan drive	•

## CAB SERIES OPTION

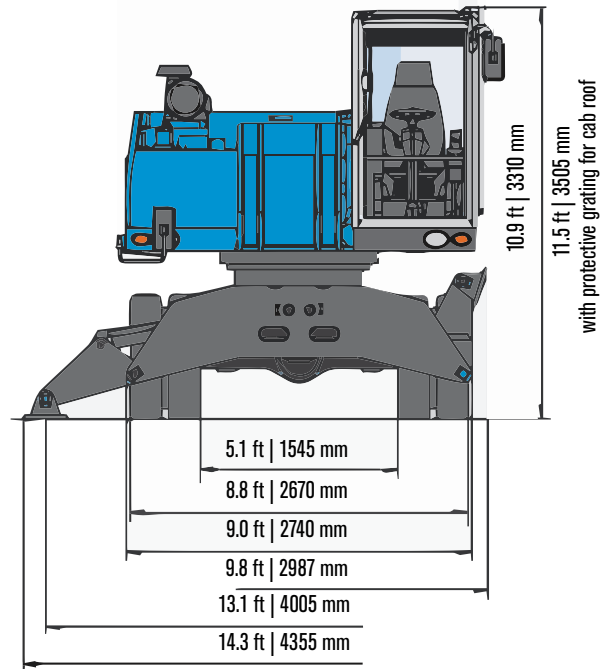
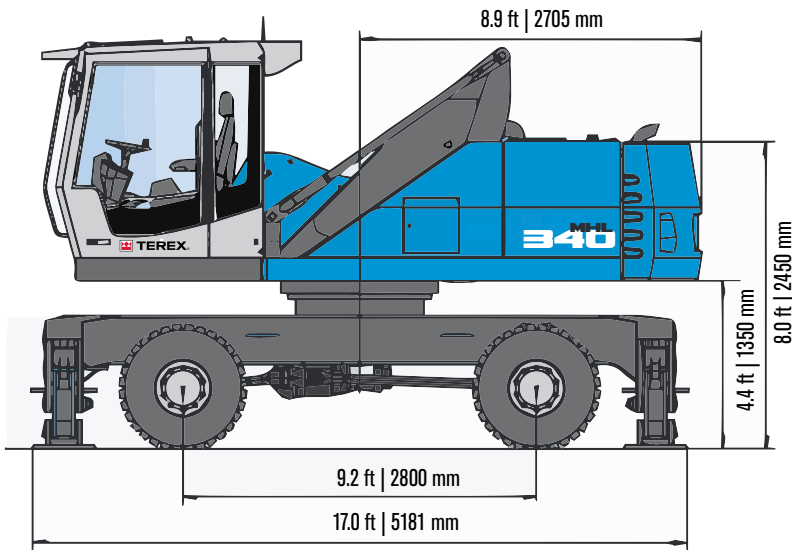
Lift-up skylight in cabin roof	•
Document clip	•
Air cushioned operator's seat with headrest, safety belt and lumbar support	•
FOPS protective grating (roof)	•
Front/roof protective grating	•
Hinged front windshield	•
LEXAN front window glass	•
High strength glass, front and top	•
Cab elevation system, height adjustable	•
Air conditioning	•
Steering column, height and tilt adjustable	•
Multi-function color display	•
Fire extinguisher, dry powder	•
Radio / CD player	•
Rotating beacon	•
Sliding window in cab door	•
Safety glass	•
Seat heating with integrated a/c function	•
Windscreen washer system	•

## UNDERCARRIAGE SERIES OPTION

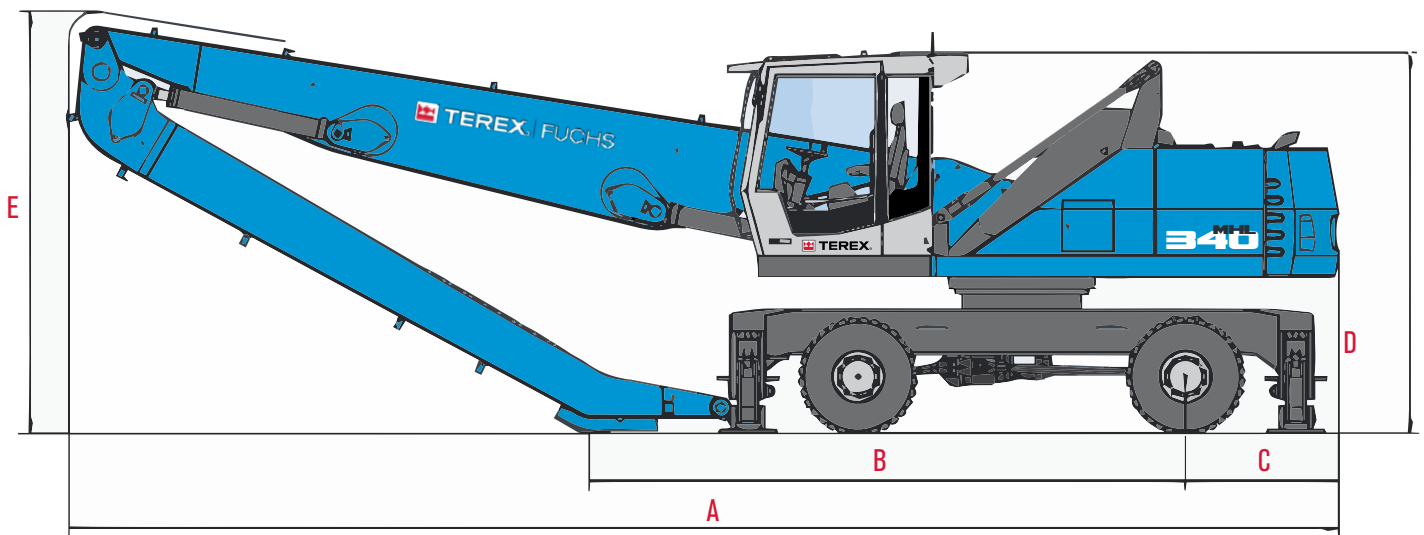
2-speed power-shift transmission	•
4-point stabilizers	•
4-point stabilizers, individually controllable	•
Outrigger cylinders with integrated two-way check valves	•
All-wheel drive	•
Piston rod protection on outrigger cylinders	•
Outrigger plates 19.7" x 13.8"   500 mm x 350 mm	•
Rear axle oscillating lock	•
Blade in addition to 4-point stabilizers	•
Special paint	•
Drum brakes	•
Tool box	•

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# GENERAL DIMENSIONS



# TRANSPORT DIMENSIONS



Reach 40.0 ft | 12.2 m

Reach 41.3 ft | 12.6 m

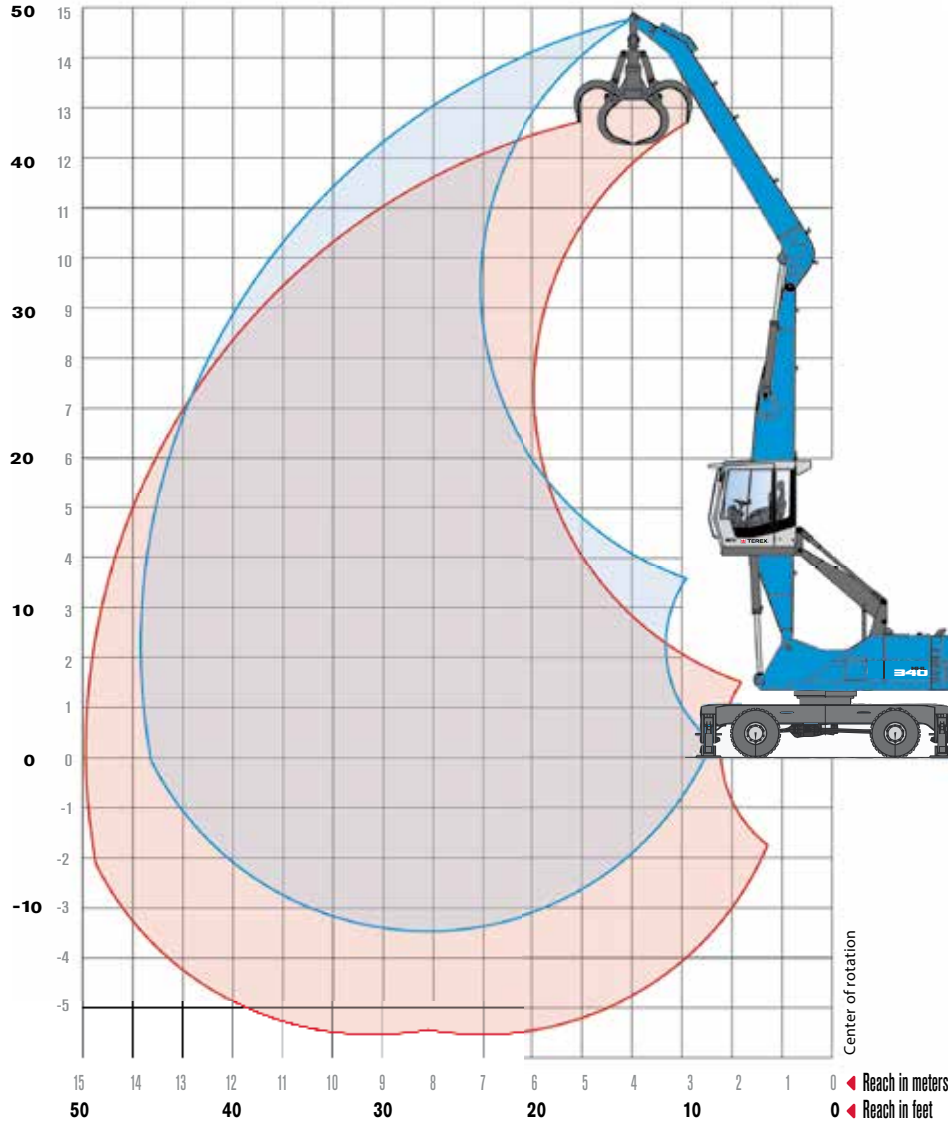
Reach 44.9 ft | 13.7 m

<b>A</b>	33.9 ft   10340 mm	36.1 ft   11000 mm	36.0 ft   10980 mm
<b>B</b>	19.8 ft   6020 mm	19.1 ft   5820 mm	16.6 ft   5045 mm
<b>C</b>	4.3 ft   1305 mm	4.3 ft   1305 mm	4.3 ft   1305 mm
<b>D</b>	10.9 ft / 11.5 ft*   3310 mm / 3505 mm*	10.9 ft / 11.5 ft*   3310 mm / 3505 mm*	10.9 ft / 11.5 ft*   3310 mm / 3505 mm*
<b>E</b>	9.1 ft   2760 mm	9.6 ft   2940 mm	12.4 ft   3770 mm

\* with protective grating for cab roof

# WORKING RANGES AND LIFTING CAPACITIES **MHL340 E**

Height in ft | m



Reach 44.9 ft | 13.7 m

Work equipment:  
Box-type boom 23.6 ft | 7.2 m  
Dipperstick 20.3 ft | 6.2 m

Attachment options:



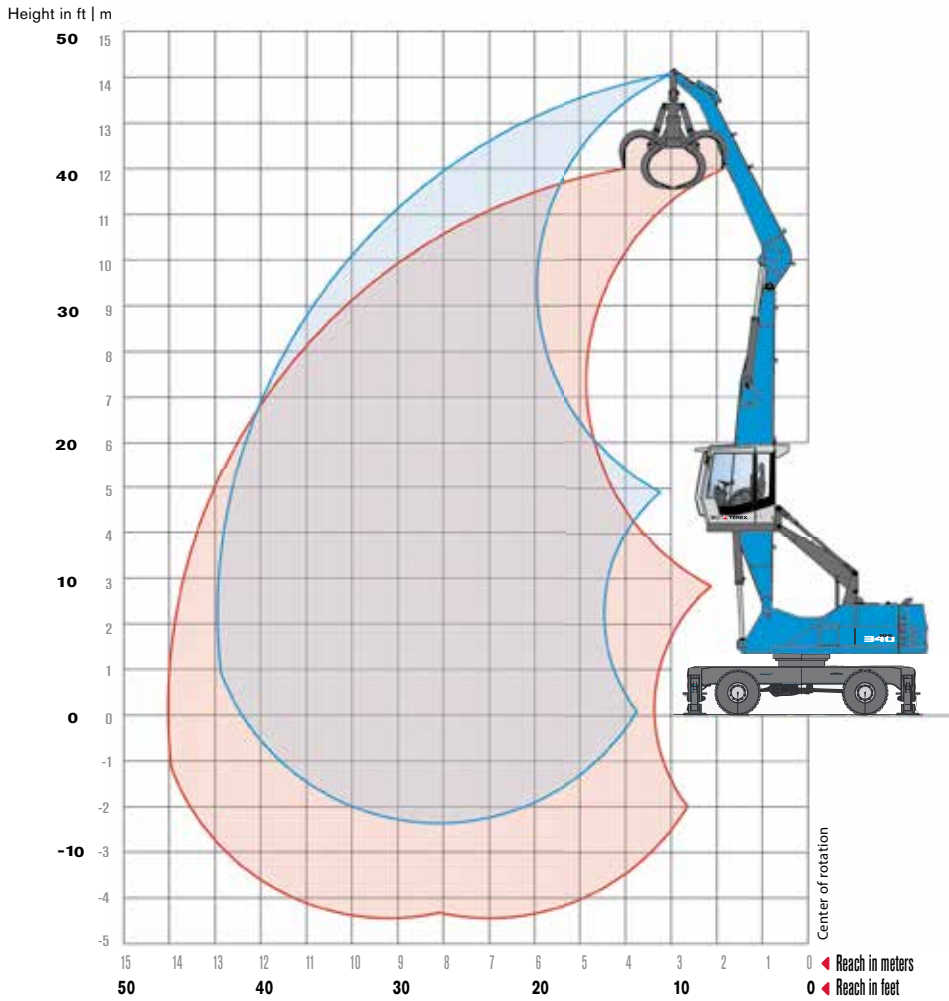
HEIGHT ft	HEIGHT m	REACH ft	19.7	24.6	29.5	34.4	39.4	44.3
		14.8	6	7.5	9	10.5	12	13.5
		REACH m	4.5					
44.3	13.5		11,464*   5.2*					
39.4	12			11,905*   5.4*	7,716*   3.5*			
34.4	10.5			14,110*   6.4*	11,684*   5.3*	7,055*   3.2*		
29.5	9			14,991*   6.8*	13,007   5.9	9,921   4.5		
24.6	7.5			15,212*   6.9*	12,787   5.8	9,921   4.5	7,716   3.5	
19.7	6		18,960*   8.6*	16,094*   7.3*	12,566   5.7	9,700   4.4	7,716   3.5	
14.8	4.5		20,723*   9.4*	16,314   7.4	12,125   5.5	9,480   4.3	7,496   3.4	5,291*   2.4*
9.8	3	31,306*   14.2*	22,267   10.1	15,432   7.0	11,684   5.3	9,039   4.1	7,275   3.3	5,952   2.7
4.9	1.5	33,290   15.1	20,723   9.4	14,551   6.6	11,023   5.0	8,818   4.0	7,055   3.2	5,952   2.7
0.0	0	16,755*   7.6*	19,401   8.8	13,889   6.3	10,582   4.8	8,598   3.9	7,055   3.2	5,952   2.7
-4.9	-1.5	14,771*   6.7*	18,739   8.5	13,448   6.1	10,362   4.7	8,378   3.8	6,834   3.1	
-9.8	-3		18,519*   8.4*	13,228   6.0	10,141   4.6			

Capacity values are stated in pounds | metric tons. The pump pressure is 5,221 psi | 360 bar. The values, in accordance with ISO 10567, represent 75% of the static tipping load or 87% of the hydraulic lifting force (marked \*). Values apply to 4-pt supported slewing operations over 360 degrees on a firm and level surface.

The weight of the attached hoisting equipment (coupler, grapple, magnet, clamshell, load hook etc.) must be deducted from the capacity values in accordance with CE guidelines, hose-rupture protection valves on the lift cylinders and an overload warning device are required for crane operations.

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# WORKING RANGES AND LIFTING CAPACITIES



Reach 41.3 ft | 12.6 m

Work equipment:  
 Box-type boom 23.6 ft | 7.2 m  
 Dipperstick 16.7 ft | 5.1 m

Attachment options:



HEIGHT ft	HEIGHT m	REACH ft	19.7	24.6	29.5	34.4	39.4
		14.8					
		REACH m	6	7.5	9	10.5	12
		4.5					
44.3	13.5	15,873*   7.2*					
39.4	12		16,976*   7.7*	11,684*   5.3*			
34.4	10.5		19,401*   8.8*	16,755*   7.6*	11,905*   5.4*		
29.5	9		19,401*   8.8*	16,535*   7.5*	12,566   5.7	9,700   4.4	
24.6	7.5		19,842*   9.0*	16,755*   7.6*	12,566   5.7	9,700   4.4	
19.7	6		21,164*   9.6*	16,535   7.5	12,346   5.6	9,480   4.3	7,716   3.5
14.8	4.5	30,865*   14.0*	22,928*   10.4*	15,873   7.2	11,905   5.4	9,259   4.2	7,496   3.4
9.8	3	34,613*   15.7*	21,385   9.7	15,212   6.9	11,464   5.2	9,039   4.1	7,496   3.4
4.9	1.5	13,448*   6.1*	20,283   9.2	14,551   6.6	11,023   5.0	8,818   4.0	7,275   3.3
0.0	0	11,684*   5.3*	19,401   8.8	13,889   6.3	10,803   4.9	8,598   3.9	7,275   3.3
-4.9	-1.5		19,180   8.7	13,669   6.2	10,582   4.8	8,598   3.9	

Capacity values are stated in pounds | metric tons. The pump pressure is 5,221 psi | 360 bar. The values, in accordance with ISO 10567, represent 75% of the static tipping load or 87% of the hydraulic lifting force (marked \*). Values apply to 4-pt supported slewing operations over 360 degrees on a firm and level surface.

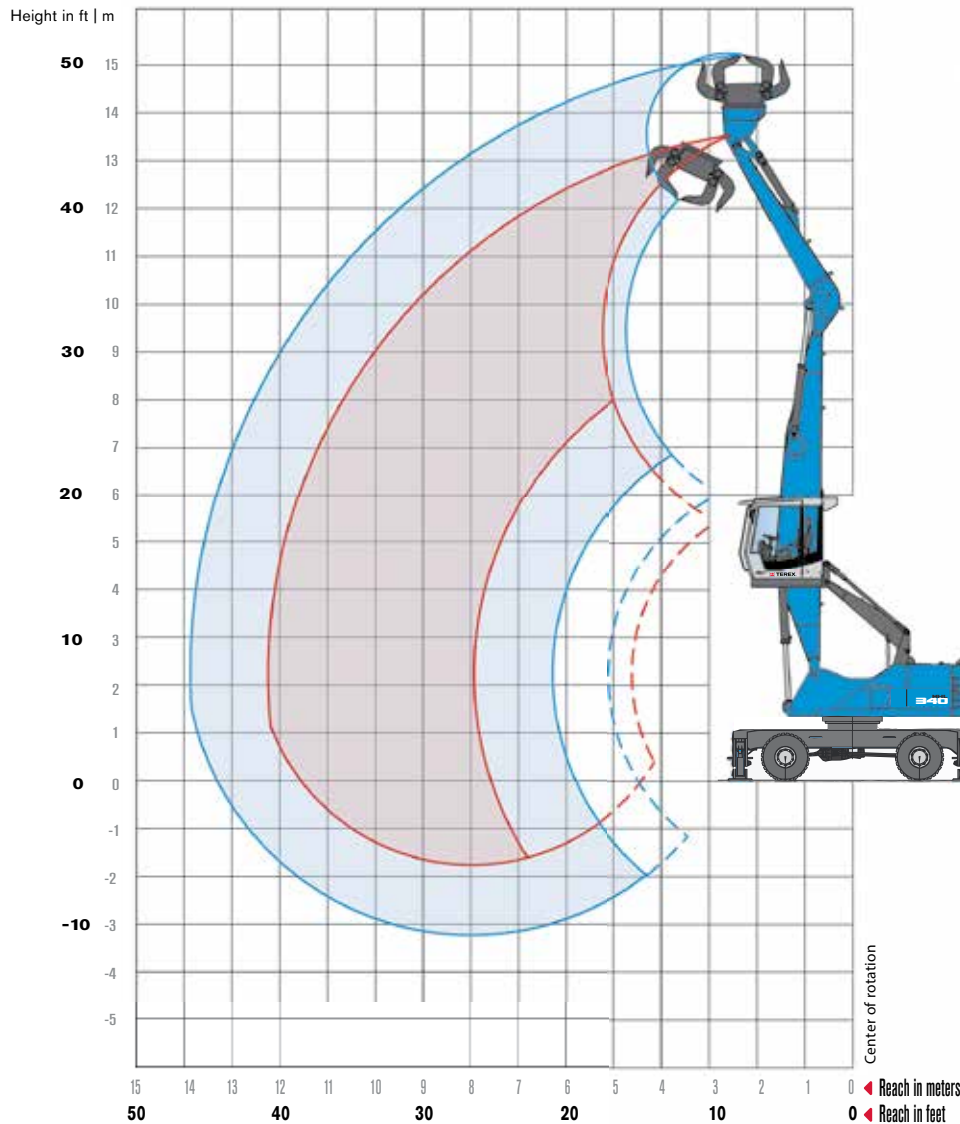
The weight of the attached hoisting equipment (coupler, grapple, magnet, clamshell, load hook etc.) must be deducted from the capacity values in accordance with CE guidelines, hose-rupture protection valves on the lift cylinders and an overload warning device are required for crane operations.

# MHL340 E

Reach 40.0 ft | 12.2 m

Work equipment:  
 Box-type boom 23.6 ft | 7.2 m  
 Universal stick 14.8 ft | 4.5 m

Attachment options:



HEIGHT ft	HEIGHT m	REACH ft	19.7	24.6	29.5	34.4	39.4
		14.8	6	7.5	9	10.5	12
		REACH m					
		4.5					
39.4	12		14,330*   6.5*				
34.4	10.5		18,519*   8.4*	14,771*   6.7*			
29.5	9		19,842*   9.0*	16,535   7.5	11,905   5.4		
24.6	7.5		20,283*   9.2*	16,314   7.4	11,684   5.3	8,818   4.0	
19.7	6	27,117*   12.3*	21,385*   9.7*	15,653   7.1	11,464   5.2	8,818   4.0	
14.8	4.5	31,747*   14.4*	21,605   9.8	14,991   6.8	11,023   5.0	8,598   3.9	6,834   3.1
9.8	3		20,062   9.1	14,110   6.4	10,582   4.8	8,378   3.8	6,834   3.1
4.9	1.5		18,960   8.6	13,448   6.1	10,362   4.7	8,157   3.7	6,614   3.0
0	0	9,039*   4.1*	18,298   8.3	13,007   5.9	9,921   4.5	7,937   3.6	
-4.9	-1.5			12,787   5.8	9,921   4.5		

Capacity values are stated in pounds | metric tons. The pump pressure is 5,221 psi | 360 bar. The values, in accordance with ISO 10567, represent 75% of the static tipping load or 87% of the hydraulic lifting force (marked \*). Values apply to 4-pt supported slewing operations over 360 degrees on a firm and level surface.

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# Telematics SYSTEM

## CONNECTS FOR YOU

The new Terex Fuchs Telematics system available on E series machines\* 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.



		MHL320	MHL331	MHL335	MHL340	MHL345	MHL350	MHL355	MHL360	MHL365	MHL380	MHL385
<b>Mobile</b>												
	<b>TIER 3   TIER 4i [kW]</b>	85/-	114/115	114/115	128/129	128/129	148/160	148/160	186/190	186/190	273/-	273/-
	[hp]	114/-	153/154	153/154	172/173	171/172	199/215	199/216	249/255	249/255	366/-	366/-
	<b>Electric Drive [kW]</b>	100	132	132	132	132	155	155	184	184	279	279
	[hp]	134	177	177	177	177	208	208	246	246	374	374
	[m]	8.2-10.4	8.2-10.4	10.7-12.0	12.2-13.7	12.2-13.7	14.0-16.0	14.0-17.0	16.5-18.0	16.5-19.0	18.5-22.0	18.5-23.0
	[ft]	26.9-34.1	26.9-34.1	35.1-39.4	40.0-45.0	40.0-45.0	45.9-52.5	45.9-55.7	54.1-59.1	54.1-62.3	60.7-72.2	60.6-75.4
	<b>up to [t]</b>	19.0	23.5	25.0	29.0	30.0	35.5	38.0	46.8	55.0	67.0	73.5
	<b>up to [lbs]</b>	41,887	51,809	55,116	63,934	66,139	78,264	83,776	101,413	121,254	147,709	162,039
<b>Crawler</b>												
	<b>up to [t]</b>	24	30.5	30.5	38	40	41.5	48	64.0	65.0	76.0	-
	<b>up to [lbs]</b>	52,911	67,241	67,241	83,776	88,185	91,492	105,822	119,049	143,300	167,551	-

[www.terex.com/construction](http://www.terex.com/construction)

\*Effective production date June 2014

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

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