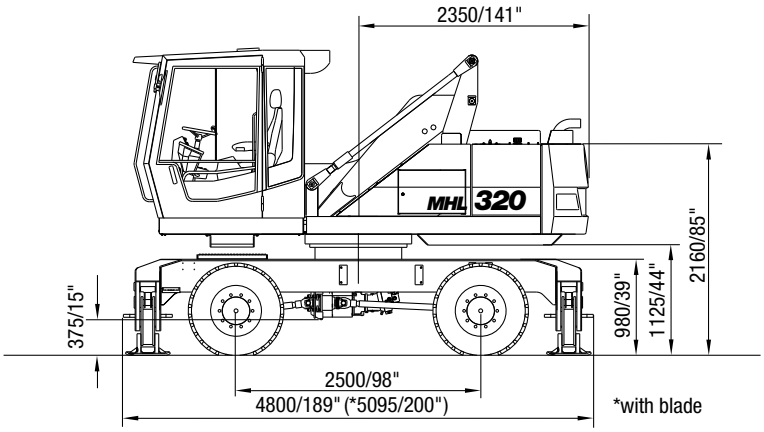
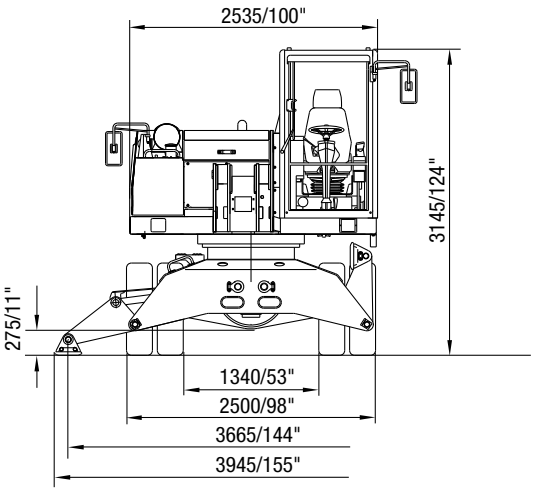
TEREX | FUCHS

MHL 320

Loading Machines





Diesel Engine

Manufacturer and type	Deutz-BF4M 2012 C
Design	4-cylinder turbocharged and charge air cooler.
Engine output	84 kW (112 HP)
Nominal speed	2,000 rpm
Displacement	4 l (244 cb in)
Cooling system	Liquid and charge air cooling.
Emission standards	COM II and EPA TIER II
Air filter design	Two-stage filter with safety valve.
Fuel tank	300 l (79 US gal)

Electrical System

Operating voltage	24 V
Batteries	2 x 12 V / 100 Ah / 760 A (accord. to EN)
Ligthing set	2 uppercarriage-mounted headlamps, 1 dipperstick-mounted working floodlight.
Option	Rear lamp, turn signal lamps, magnet system 9 kW.

Travel Drive

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

Travel speed / Gradeability	0-20 km/h (0-12.4 mph) / max. 55%
Turning radius	7.0 m (23')

Operating Weights

Basic machine including work attachment, 4-point stabilizers and 0.4 m³ (0.53 yd³) cactus grab.	
Reach 9.5 m (31')	19,000 kg (41,900 lbs)
Basic machine including work attachment, 2-point stabilizers with support blade and 0.4 m³ (0.53 yd³) cactus grab.	
Reach 8.2 m (27')	19,000 kg (41,900 lbs)

Swing System

Ring gear	Internally toothed ring gear.
Drive	Two-stage planetary gear with integrated multi-disk brake.
Upper carriage swing speed	0 - 8 rpm

Superstructure

Front axle: Rigid mounted steering axle with integrated drum brake, max. steering angle 30°.

Rear axle: Oscillating rear axle with oscillating axle lock and integrated drum brake.

Stabilizers	4-point-stabilizers, 2-point-stabilizers with support blade.
Tires	Solid rubber, elastic tires 8-fold 9.00-20

Brake System

Service brake	Hydraulic single-circuit braking system acting on all four wheel pairs.
Parking brake	Hydraulic disc brake on gear box acting on both front and rear axle.

Hydraulic System

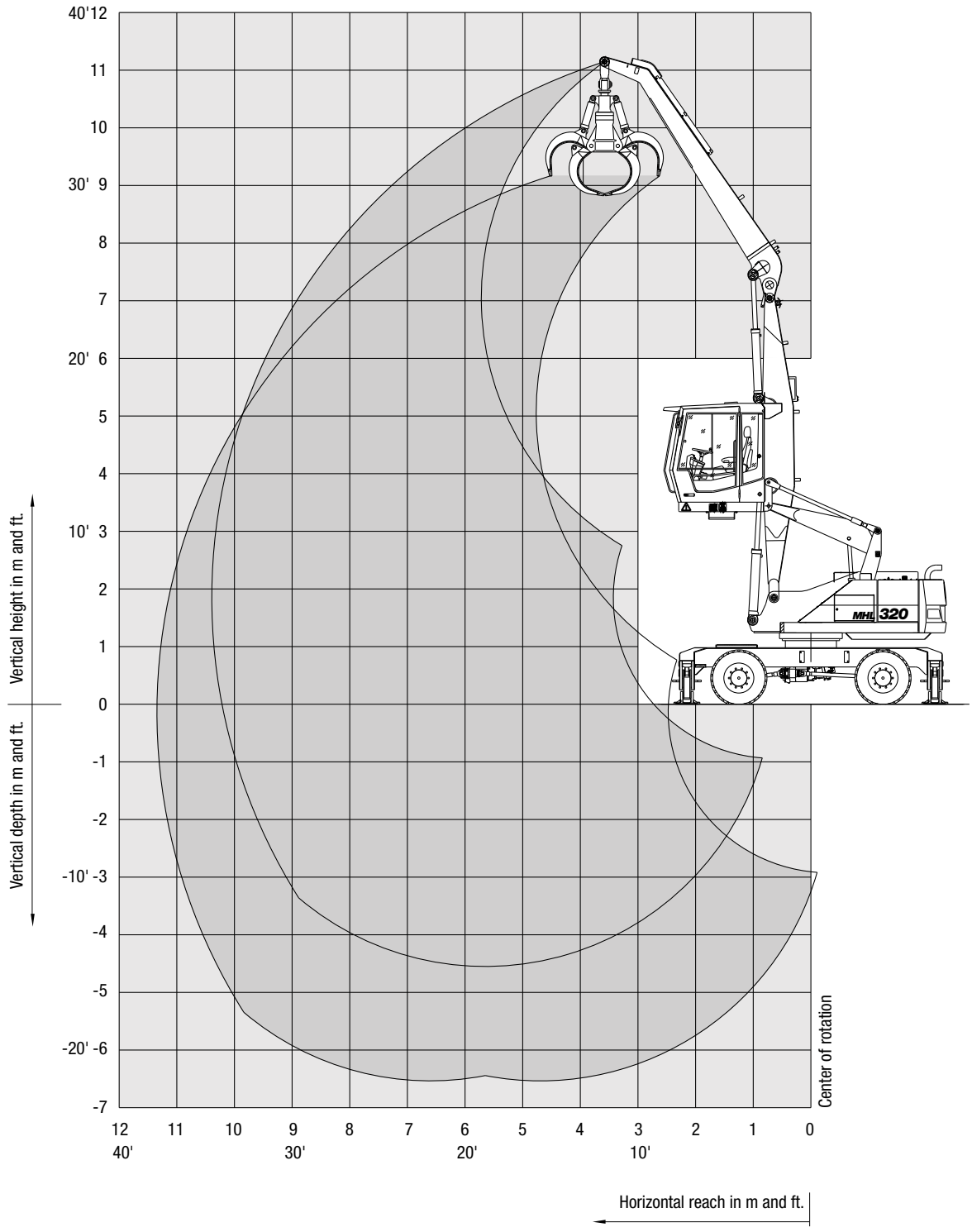
- Single circuit hydraulic system with load sensing function and torque control valve for torque-controlled swing drive - independent from other consumers.
- Separate oil cooler with large cooling surface.
- Hydraulic oil filter integrated in the oil tank.
- Central lubricating system as standard.

Max. pump capacity	290 l/min (77 US gal/min) at 2,000 rpm
Max. operating pressure	360 bar (5,221 psi)
Hydraulic oil tank	275 l (73 US gal)

Working Diagram

MHL 320 reach 10.4 m (34'1")

- Work equipment: box-type boom 5.2 m (17'), dipperstick 5.0 m (16'4") and cactus grab.



Lifting Capacity

MHL 320 reach 10.4 m (34'1")

- Work equipment: box-type boom 5.2 m (17'), dipperstick 5.0 m (16'4") and cactus grab.

Height in m	Undercarriage stabilizers	Reach in m 3	4.5	6	7.5	9
9	non supported			(4.1)		
	4-pt. supported			4.7* (4.7*)		
	2-pt. blade-supported			4.7* (4.7*)		
7.5	non supported			(4.1)	(2.9)	
	4-pt. supported			4.5* (4.5*)	4.1* (4.1*)	
	2-pt. blade-supported			4.5* (4.5*)	3.7 (4.1*)	
6	non supported			(4.1)	(2.9)	(2.1)
	4-pt. supported			4.5* (4.5*)	4.1* (4.1*)	3.4 (3.6*)
	2-pt. blade-supported			4.5* (4.5*)	3.7 (4.1*)	2.7 (3.6*)
4.5	non supported			(4.0)	(2.8)	(2.1)
	4-pt. supported			4.8* (4.8*)	4.2* (4.2*)	3.3 (3.7*)
	2-pt. blade-supported			4.8* (4.8*)	3.6 (4.2*)	2.7 (3.7*)
3	non supported		(6.0)	(3.8)	(2.7)	(2.0)
	4-pt. supported		6.7* (6.7*)	5.3* (5.3*)	4.4* (4.4*)	3.3 (3.7*)
	2-pt. blade-supported		6.7* (6.7*)	5.0 (5.3*)	3.5 (4.4*)	2.7 (3.7*)
1.5	non supported		(5.6)	(3.6)	(2.6)	(2.0)
	4-pt. supported		8.0* (8.0*)	5.8* (5.8*)	4.3 (4.6*)	3.2 (3.7*)
	2-pt. blade-supported		7.5* (8.0*)	4.8 (5.8*)	3.4 (4.6*)	2.6 (3.7*)
0	non supported	(4.3*)	(5.2)	(3.5)	(2.5)	(1.9)
	4-pt. supported	4.3* (4.3*)	8.5* (8.5*)	5.8* (6.0*)	4.2 (4.5*)	3.2 (3.5*)
	2-pt. blade-supported	4.3* (4.3*)	7.1 (8.5*)	4.8* (6.0*)	3.3 (4.5*)	2.6 (3.5*)
-1.5	non supported	(4.3*)	(5.0)	(3.3)	(2.4)	(1.9)
	4-pt. supported	4.3* (4.3*)	7.8* (7.8*)	5.6* (5.6*)	4.1* (4.1*)	3.0* (3.0*)
	2-pt. blade-supported	4.3* (4.3*)	6.9* (7.8*)	4.5 (5.6*)	3.3 (4.1*)	2.5 (3.0*)
-3	non supported	(5.2*)	(5.0*)	(3.3)	(2.4)	(1.8*)
	4-pt. supported	5.2* (5.2*)	6.2* (6.2*)	4.5* (4.5*)	3.2* (3.2*)	1.8* (1.8*)
	2-pt. blade-supported	5.2* (5.2*)	6.2* (6.2*)	4.4 (4.5*)	3.2* (3.2*)	1.8* (1.8*)

Height in ft.	Undercarriage stabilizers	Reach in ft. 10	15	20	25	30
30	non supported			(9,000)		
	4-pt. supported			10,400* (10,400*)		
	2-pt. blade-supported			10,400* (10,400*)		
25	non supported			(9,100)	(6,300)	
	4-pt. supported			9,800* (9,800*)	9,000* (9,000*)	
	2-pt. blade-supported			9,800* (9,800*)	8,100 (9,000*)	
20	non supported			(9,100)	(6,300)	(4,600)
	4-pt. supported			9,900* (9,900*)	8,900* (8,900*)	7,400 (7,900*)
	2-pt. blade-supported			9,900* (9,900*)	8,100 (8,900*)	6,000 (7,900*)
15	non supported			(8,800)	(6,100)	(4,500)
	4-pt. supported			10,600* (10,600*)	9,200* (9,200*)	7,400 (8,000*)
	2-pt. blade-supported			10,600* (10,600*)	8,000 (9,200*)	5,900 (8,000*)
10	non supported		(13,300)	(8,400)	(5,900)	(4,400)
	4-pt. supported		14,700* (14,700*)	11,700* (11,700*)	9,600* (9,600*)	7,200 (8,100*)
	2-pt. blade-supported		14,700* (14,700*)	11,000 (11,700*)	7,700 (9,600*)	5,800 (8,100*)
5	non supported		(12,200)	(7,900)	(5,700)	(4,300)
	4-pt. supported		17,400* (17,400*)	12,700* (12,700*)	9,400 (10,000*)	7,100 (8,000*)
	2-pt. blade-supported		16,500* (17,400*)	10,500 (12,700*)	7,500 (10,000*)	5,700 (8,000*)
0	non supported	(9,600*)	(11,300)	(7,500)	(5,400)	(4,100)
	4-pt. supported	9,600* (9,600*)	18,400* (18,400*)	12,700* (13,000*)	9,100 (9,800*)	6,900 (7,500*)
	2-pt. blade-supported	9,600* (9,600*)	15,500 (18,400*)	10,000* (13,000*)	7,200 (9,800*)	5,500 (7,500*)
-5	non supported	(9,600*)	(10,800)	(7,200)	(5,300)	(4,100)
	4-pt. supported	9,600* (9,600*)	17,000* (17,000*)	12,100* (12,100*)	8,900* (9,000*)	6,400* (6,400*)
	2-pt. blade-supported	9,600* (9,600*)	15,000* (17,000*)	9,700 (12,100*)	7,100 (9,000*)	5,500 (6,400*)
-10	non supported	(11,500*)	(10,700*)	(7,100)	(5,200)	(3,900*)
	4-pt. supported	11,500* (11,500*)	13,300* (13,300*)	9,700* (9,700*)	6,900* (6,900*)	3,900* (3,900*)
	2-pt. blade-supported	11,500* (11,500*)	13,300* (13,300*)	9,600 (9,700*)	6,900* (6,900*)	3,900* (3,900*)

Remarks

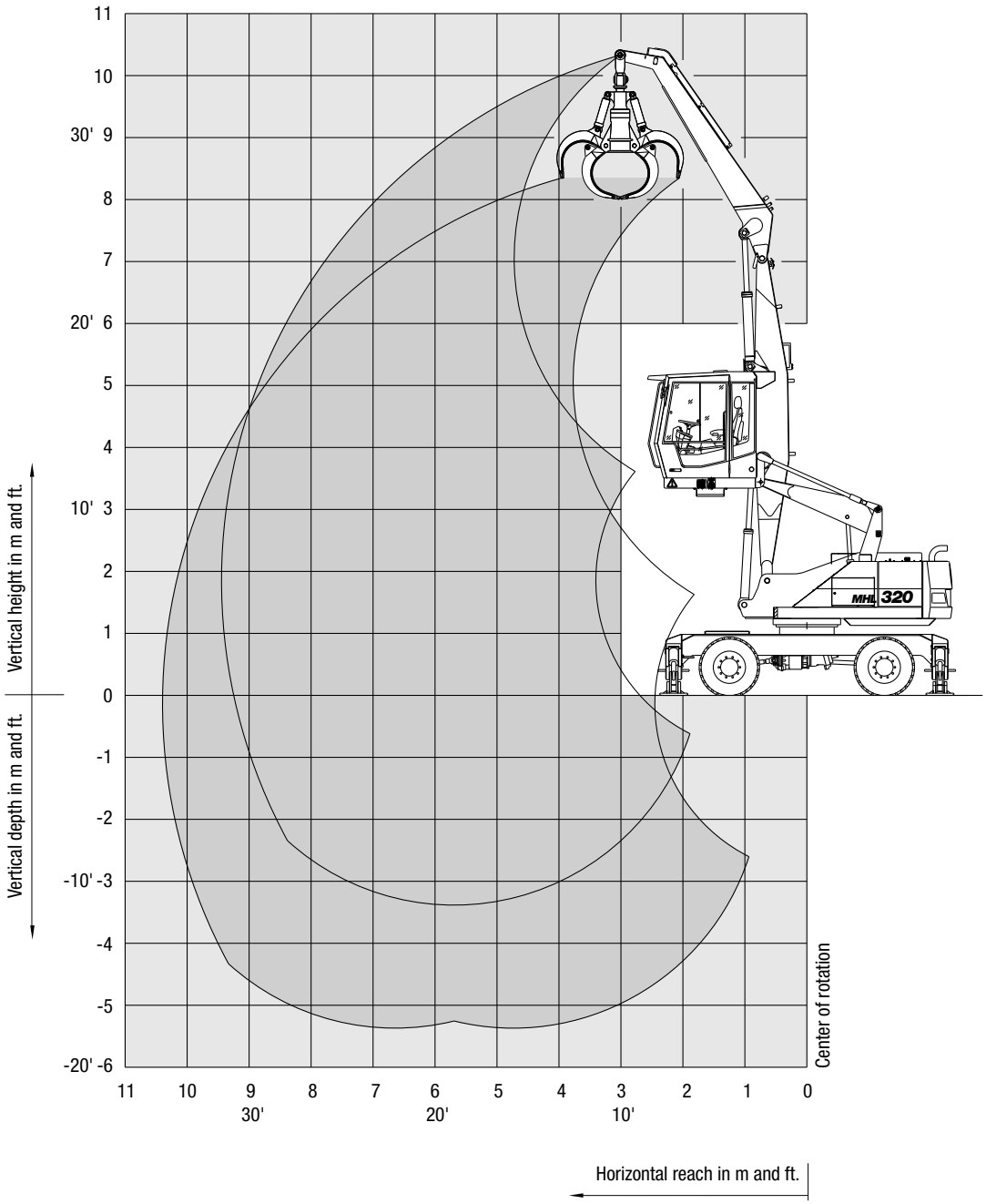
The values are stated in tons (t) or lbs. The pump pressure for this table is 360 bar (5,221 psi). The values amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked *). When the machine is standing on solid and level ground, these values apply to slewing operations through 360°. The values in brackets apply in the lengthwise direction of the undercarriage. The values specified “non-supported” only apply when the load is hoisted above the front or rear axle. The weight of the attached load hoisting implement (grab, magnet, load hook, linkage, bucket cylinder, etc.) must be deducted from the carrying capacity values.

In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

Working Diagram

MHL 320 reach 9.5 m (31')

- Work equipment: box-type boom 5.2 m (17'), dipperstick 4.0 m (13') and cactus grab.



Lifting Capacity

MHL 320 reach 9.5 m (31')

- Work equipment: box-type boom 5.2 m (17'), dipperstick 4.0 m (13') and cactus grab.

Height in m	Undercarriage stabilizers	Reach in m 4.5	6	7.5	9
9	non supported	(6.4*)			
	4-pt. supported	6.4* (6.4*)			
	2-pt. blade-supported	6.4* (6.4*)			
7.5	non supported		(4.2)		
	4-pt. supported		5.1* (5.1*)		
	2-pt. blade-supported		5.1* (5.1*)		
6	non supported		(4.1)	(3.0)	
	4-pt. supported		5.1* (5.1*)	4.5* (4.5*)	
	2-pt. blade-supported		5.1* (5.1*)	3.7* (4.5*)	
4.5	non supported	(6.3)	(4.0)	(2.9)	(2.2)
	4-pt. supported	6.7* (6.7*)	5.4* (5.4*)	4.5* (4.5*)	3.4 (3.7*)
	2-pt. blade-supported	6.7* (6.7*)	5.2 (5.4*)	3.7 (4.5*)	2.8 (3.7*)
3	non supported	(6.0)	(3.9)	(2.8)	(2.2)
	4-pt. supported	7.7* (7.7*)	5.8* (5.8*)	4.5 (4.6*)	3.4 (3.7*)
	2-pt. blade-supported	7.7* (7.7*)	5.0 (5.8*)	3.6 (4.6*)	2.8 (3.7*)
1.5	non supported	(5.6)	(3.7)	(2.7)	(2.1)
	4-pt. supported	8.5* (8.5*)	6.0* (6.0*)	4.4 (4.6*)	3.4 (3.5*)
	2-pt. blade-supported	7.4 (8.5*)	4.9 (6.0*)	3.5 (4.6*)	2.7 (3.5*)
0	non supported	(5.3)	(3.6)	(2.7)	(2.1)
	4-pt. supported	8.2* (8.2*)	5.8* (5.8*)	4.3* (4.3*)	3.1* (3.1*)
	2-pt. blade-supported	7.2 (8.2*)	4.7 (5.8*)	3.5 (4.3*)	2.7 (3.1*)
-1.5	non supported	(5.2)	(3.5)	(2.6)	
	4-pt. supported	6.9* (6.9*)	5.0* (5.0*)	3.6* (3.6*)	
	2-pt. blade-supported	6.9* (6.9*)	4.7 (5.0*)	3.4 (3.6*)	
-3	non supported	(4.6*)	(3.4*)		
	4-pt. supported	5.6* (5.6*)	3.4* (3.4*)		
	2-pt. blade-supported	5.6* (5.6*)	3.4* (3.4*)		

Height in ft.	Undercarriage stabilizers	Reach in ft. 15	20	25	30
30	non supported	(14,000*)			
	4-pt. supported	14,000* (14,000*)			
	2-pt. blade-supported	14,000* (14,000*)			
25	non supported		(9,200)		
	4-pt. supported		11,200* (11,200*)		
	2-pt. blade-supported		11,200* (11,200*)		
20	non supported		(8,900)	(6,500)	
	4-pt. supported		11,200* (11,200*)	9,800* (9,800*)	
	2-pt. blade-supported		11,200* (11,200*)	8,100* (9,800*)	
15	non supported	(13,800)	(8,700)	(6,300)	(4,800)
	4-pt. supported	14,700* (14,700*)	11,800* (11,800*)	9,800* (9,800*)	7,400 (8,100*)
	2-pt. blade-supported	14,700* (14,700*)	11,400 (11,800*)	8,100 (9,800*)	6,100 (8,100*)
10	non supported	(13,100)	(8,500)	(6,100)	(4,800)
	4-pt. supported	16,900* (16,900*)	12,700* (12,700*)	9,800 (10,000*)	7,400 (8,100*)
	2-pt. blade-supported	16,900* (16,900*)	10,900 (12,700*)	7,800 (10,000*)	6,100 (8,100*)
5	non supported	(12,200)	(8,100)	(5,900)	(4,500)
	4-pt. supported	18,600* (18,600*)	13,100* (13,100*)	9,600 (10,000*)	7,400 (7,600*)
	2-pt. blade-supported	16,200 (18,600*)	10,700 (13,100*)	7,600 (10,000*)	5,900 (7,600*)
0	non supported	(11,600)	(7,800)	(5,900)	(4,500)
	4-pt. supported	18,000* (18,000*)	12,700* (12,700*)	9,400* (9,400*)	6,700* (6,700*)
	2-pt. blade-supported	15,800 (18,000*)	10,000 (12,700*)	7,600 (9,400*)	5,900 (6,700*)
-5	non supported	(11,400)	(7,600)	(5,600)	
	4-pt. supported	15,100* (15,100*)	10,900* (10,900*)	7,800* (7,800*)	
	2-pt. blade-supported	15,100* (15,100*)	10,300 (10,900*)	7,400 (7,800*)	
-10	non supported	(10,000*)	(7,400*)		
	4-pt. supported	12,200* (12,200*)	7,400* (7,400*)		
	2-pt. blade-supported	12,200* (12,200*)	7,400* (7,400*)		

Remarks

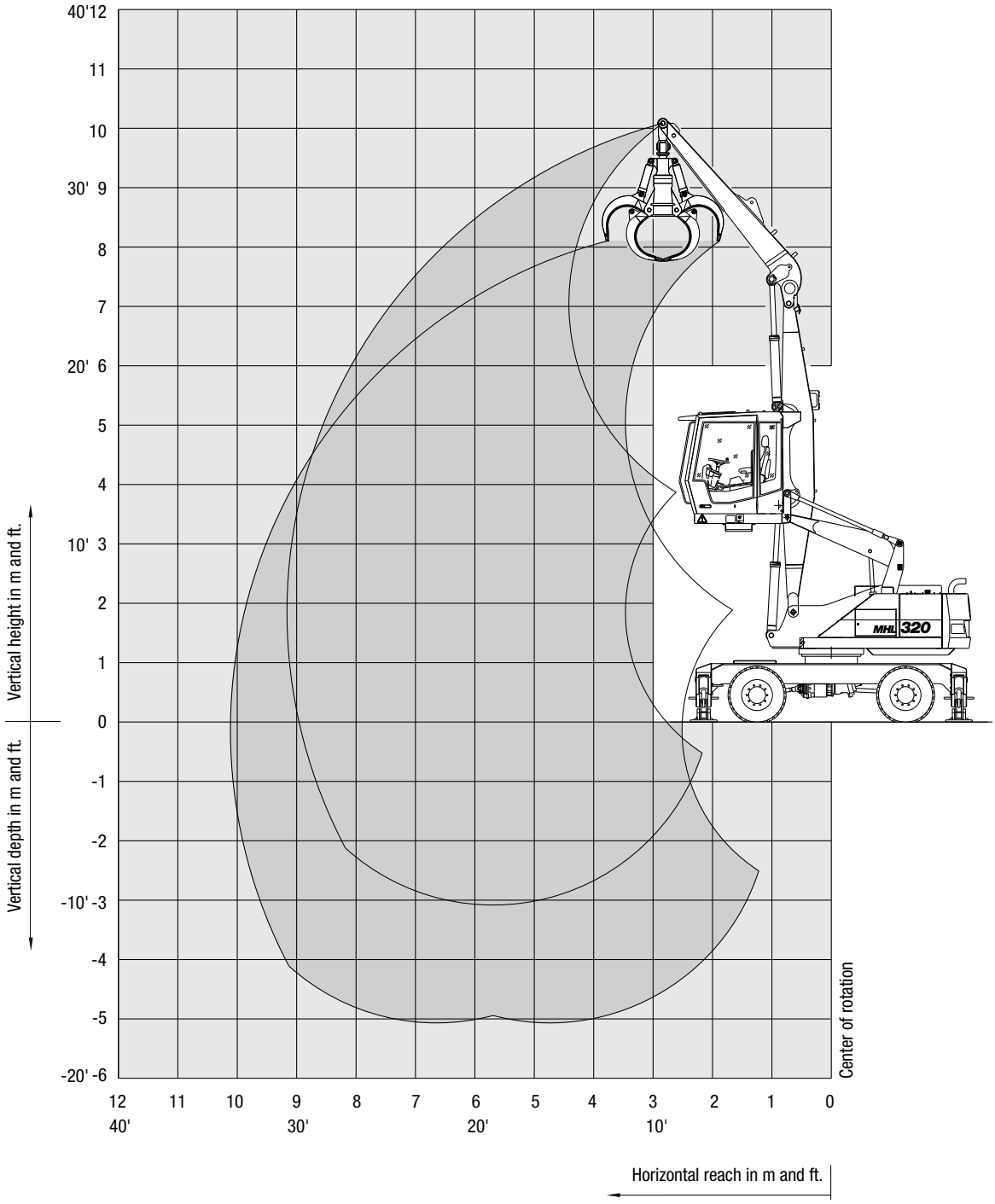
The values are stated in tons (t) or lbs. The pump pressure for this table is 360 bar (5,221 psi). The values amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked *). When the machine is standing on solid and level ground, these values apply to slewing operations through 360°. The values in brackets apply in the lengthwise direction of the undercarriage. The values specified “non-supported” only apply when the load is hoisted above the front or rear axle. The weight of the attached load hoisting implement (grab, magnet, load hook, linkage, bucket cylinder, etc.) must be deducted from the carrying capacity values.

In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

Working Diagram

MHL 320 reach 9.2 m (30'1")

- Work equipment: box-type boom 5.2 m (17'), multi-purpose stick 3.7 m (12') and cactus grab.



Lifting Capacity

MHL 320 reach 9.2 m (30'1")

- Work equipment: box-type boom 5.2 m (17'), multi-purpose stick 3.7 m (12') and cactus grab.

Height in m	Undercarriage stabilizers	Reach in m 4.5	6	7.5	9
9	non supported	(6.1)			
	4-pt. supported	6.5* (6.5*)			
	2-pt. blade-supported	6.5* (6.5*)			
7.5	non supported	(6.2*)	(3.9)		
	4-pt. supported	6.2* (6.2*)	5.3* (5.3*)		
	2-pt. blade-supported	6.2* (6.2*)	5.1 (5.3*)		
6	non supported	(6.2)	(3.9)	(2.7)	
	4-pt. supported	6.3* (6.3*)	5.3* (5.3*)	4.4 (4.5*)	
	2-pt. blade-supported	6.3* (6.3*)	5.0 (5.3*)	3.5 (4.5*)	
4.5	non supported	(6.0)	(3.8)	(2.7)	
	4-pt. supported	6.9* (6.9*)	5.5* (5.5*)	4.4 (4.5*)	
	2-pt. blade-supported	6.9* (6.9*)	5.0 (5.5*)	3.5 (4.5*)	
3	non supported	(5.6)	(3.6)	(2.6)	(2.0)
	4-pt. supported	7.9* (7.9*)	5.8* (5.8*)	4.3 (4.6*)	3.2 (3.6*)
	2-pt. blade-supported	7.6 (7.9*)	4.8 (5.8*)	3.2 (4.6*)	2.6 (3.6*)
1.5	non supported	(5.2)	(3.5)	(2.5)	(1.9)
	4-pt. supported	8.5* (8.5*)	5.8* (6.0*)	4.2 (4.5*)	3.2 (3.3*)
	2-pt. blade-supported	7.1 (8.5*)	4.6 (6.0*)	3.3 (4.5*)	2.6 (3.3*)
0	non supported	(5.0)	(3.3)	(2.5)	
	4-pt. supported	7.9* (7.9*)	5.7* (5.7*)	4.1 (4.2*)	
	2-pt. blade-supported	6.9 (7.9*)	4.5 (5.7*)	3.3 (4.2*)	
-1.5	non supported	(4.9)	(3.3)	(2.4)	
	4-pt. supported	6.3* (6.3*)	4.7* (4.7*)	3.3* (3.3*)	
	2-pt. blade-supported	6.3* (6.3*)	4.4 (4.7*)	3.2 (3.3*)	
-3	non supported		(2.9*)		
	4-pt. supported		2.9* (2.9*)		
	2-pt. blade-supported		2.9* (2.9*)		

Height in ft.	Undercarriage stabilizers	Reach in ft. 15	20	25	30
30	non supported	(14,000*)			
	4-pt. supported	14,000* (14,000*)			
	2-pt. blade-supported	14,000* (14,000*)			
25	non supported	(13,800*)	(9,200)		
	4-pt. supported	13,800* (13,800*)	11,200* (11,200*)		
	2-pt. blade-supported	13,800* (13,800*)	11,200* (11,200*)		
20	non supported	(13,800*)	(8,900)	(6,500)	
	4-pt. supported	13,800* (13,800*)	11,200* (11,200*)	9,800* (9,800*)	
	2-pt. blade-supported	13,800* (13,800*)	11,200* (11,200*)	8,100* (9,800*)	
15	non supported	(13,800)	(8,700)	(6,300)	
	4-pt. supported	14,700* (14,700*)	11,800* (11,800*)	9,800* (9,800*)	
	2-pt. blade-supported	14,700* (14,700*)	11,400 (11,800*)	8,100 (9,800*)	
10	non supported	(13,100)	(8,500)	(6,100)	(4,800)
	4-pt. supported	16,900* (16,900*)	12,700* (12,700*)	9,800* (10,000*)	7,400 (8,100*)
	2-pt. blade-supported	16,900* (16,900)	10,900 (12,700*)	7,800 (10,000*)	6,100 (8,100*)
5	non supported	(12,200)	(8,100)	(5,900)	(4,500)
	4-pt. supported	18,600* (18,600*)	13,100* (13,100*)	9,600 (10,000*)	7,400 (7,600*)
	2-pt. blade-supported	16,200 (18,600*)	10,700 (13,100*)	7,600 (10,000*)	5,900 (7,600*)
0	non supported	(11,600)	(7,800)	(5,900)	
	4-pt. supported	18,000* (18,000*)	12,700* (12,700*)	9,400* (9,400*)	
	2-pt. blade-supported	13,800* (18,000*)	10,000 (12,700*)	7,600 (9,400*)	
-5	non supported	(11,400*)	(7,600)	(5,600)	
	4-pt. supported	15,100* (15,100*)	10,900* (10,900*)	7,800* (7,800*)	
	2-pt. blade-supported	15,100* (15,100*)	10,300 (10,900*)	7,400 (7,800*)	
-10	non supported		(7,400*)		
	4-pt. supported		7,400* (7,400*)		
	2-pt. blade-supported		7,400* (7,400*)		

Remarks

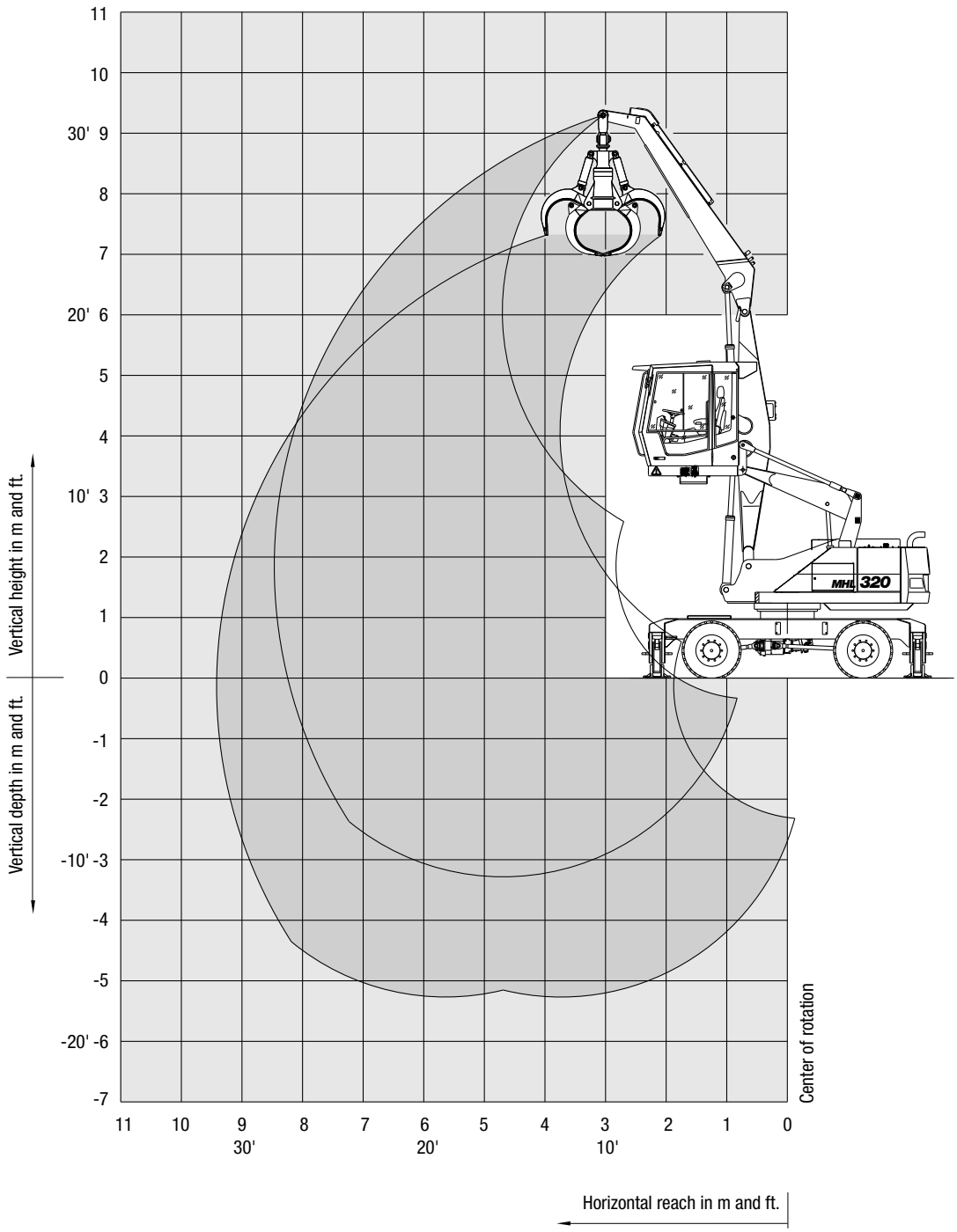
The values are stated in tons (t) or lbs. The pump pressure for this table is 360 bar (5,221 psi). The values amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked *). When the machine is standing on solid and level ground, these values apply to slewing operations through 360°. The values in brackets apply in the lengthwise direction of the undercarriage. The values specified “non-supported” only apply when the load is hoisted above the front or rear axle. The weight of the attached load hoisting implement (grab, magnet, load hook, linkage, bucket cylinder, etc.) must be deducted from the carrying capacity values.

In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

Working Diagram

MHL 320 reach 8.5 m (27'8")

- Work equipment: box-type boom 4.2 m (13'7"), dipperstick 4.0 m (13') and cactus grab.



Lifting Capacity

MHL 320 reach 8.5 m (27'8")

- Work equipment: box-type boom 4.2 m (13'7"), dipperstick 4.0 m (13') and cactus grab.

Height in m	Undercarriage stabilizers	Reach in m 3	4.5	6	7.5
9	non supported				
	4-pt. supported				
	2-pt. blade-supported				
7.5	non supported		(6.2*)	(4.1)	
	4-pt. supported		6.2* (6.2*)	4.5* (4.5*)	
	2-pt. blade-supported		6.2* (6.2*)	4.5* (4.5*)	
6	non supported			(4.1)	
	4-pt. supported			5.4* (5.4*)	
	2-pt. blade-supported			5,4* (5,4*)	
4.5	non supported		(6.2)	(4.1)	(2.9)
	4-pt. supported		6.2* (6.2*)	5.5* (5.5*)	4.6 (4.8*)
	2-pt. blade-supported		6.2* (6.2*)	5.4 (5.5*)	3.7 (4.8*)
3	non supported		(6.2)	(4.0)	(2.9)
	4-pt. supported		7.2* (7.2*)	5.8* (5.8*)	4.5 (4.6*)
	2-pt. blade-supported		7.2* (7.2*)	5.2 (5.8*)	3.7 (4.8*)
1.5	non supported	(11.0)	(5.9)	(3.9)	(2.8)
	4-pt. supported	13.5* (13.5*)	8.4* (8.4*)	6.2* (6.2*)	4.5 (4.7*)
	2-pt. blade-supported	13.5* (13.5*)	7.8 (8.4*)	5.0 (6.2*)	3.6 (4.7*)
0	non supported	(5.0)	(5.6)	(3.8)	(2.8)
	4-pt. supported	8.5* (8.5*)	8.7* (8.7*)	6.1* (6.1*)	4.4* (4.4*)
	2-pt. blade-supported	8.5* (8.5*)	7.5 (8.7*)	4.9 (6.1*)	3.6 (4.4*)
-1.5	non supported	(8.0*)	(5.5)	(3.7)	(2.8)
	4-pt. supported	8.0* (8.0*)	7.6* (7.6*)	5.2* (5.2*)	3.2* (3.2*)
	2-pt. blade-supported	8.0* (8.0*)	7.4 (7.6*)	4.9 (5.2*)	3.2* (3.2*)
-3	non supported		(4.8*)		
	4-pt. supported		4.8* (4.8*)		
	2-pt. blade-supported		4.8* (4.8*)		

Height in ft.	Undercarriage stabilizers	Reach in ft. 10	15	20	25
30	non supported				
	4-pt. supported				
	2-pt. blade-supported				
25	non supported		(13,600*)	(8,900)	
	4-pt. supported		13,600* (13,600*)	9,800* (9,800*)	
	2-pt. blade-supported		13,600* (13,600*)	9,800* (9,800*)	
20	non supported			(8,900)	
	4-pt. supported			11,800* (11,800*)	
	2-pt. blade-supported			11,800* (11,800*)	
15	non supported		(13,600)	(8,900)	(6,300)
	4-pt. supported		13,600* (13,600*)	12,000* (12,000*)	10,500 (10,500*)
	2-pt. blade-supported		13,600* (13,600*)	11,800 (12,000*)	8,100 (10,500*)
10	non supported		(13,600)	(8,700)	(6,300)
	4-pt. supported		15,800* (15,800*)	12,700* (12,700*)	9,900 (10,500*)
	2-pt. blade-supported		15,800* (15,800*)	11,400 (12,700*)	8,100 (10,500*)
5	non supported	(24,200)	(12,900)	(8,500)	(6,100)
	4-pt. supported	29,700* (29,700*)	18,400* (18,400*)	13,600* (13,600*)	9,900 (10,300*)
	2-pt. blade-supported	29,700* (29,700*)	17,100 (18,400*)	10,900 (13,600*)	7,900 (10,300*)
0	non supported	(10,900)	(12,200)	(8,300)	(6,100)
	4-pt. supported	18,600* (18,600*)	19,100* (19,100*)	13,400* (13,400*)	9,600* (9,600*)
	2-pt. blade-supported	18,600* (18,600*)	16,400 (19,100*)	10,700 (13,400*)	7,900 (9,600*)
-5	non supported	(17,500*)	(12,000)	(8,100)	(6,100)
	4-pt. supported	17,500* (17,500*)	16,700* (16,700*)	11,400* (11,400*)	7,000* (7,000*)
	2-pt. blade-supported	17,500* (17,500*)	16,200 (16,700*)	10,700 (11,400*)	7,000* (7,000*)
-10	non supported		(10,500*)		
	4-pt. supported		10,500* (10,500*)		
	2-pt. blade-supported		10,500* (10,500*)		

Remarks

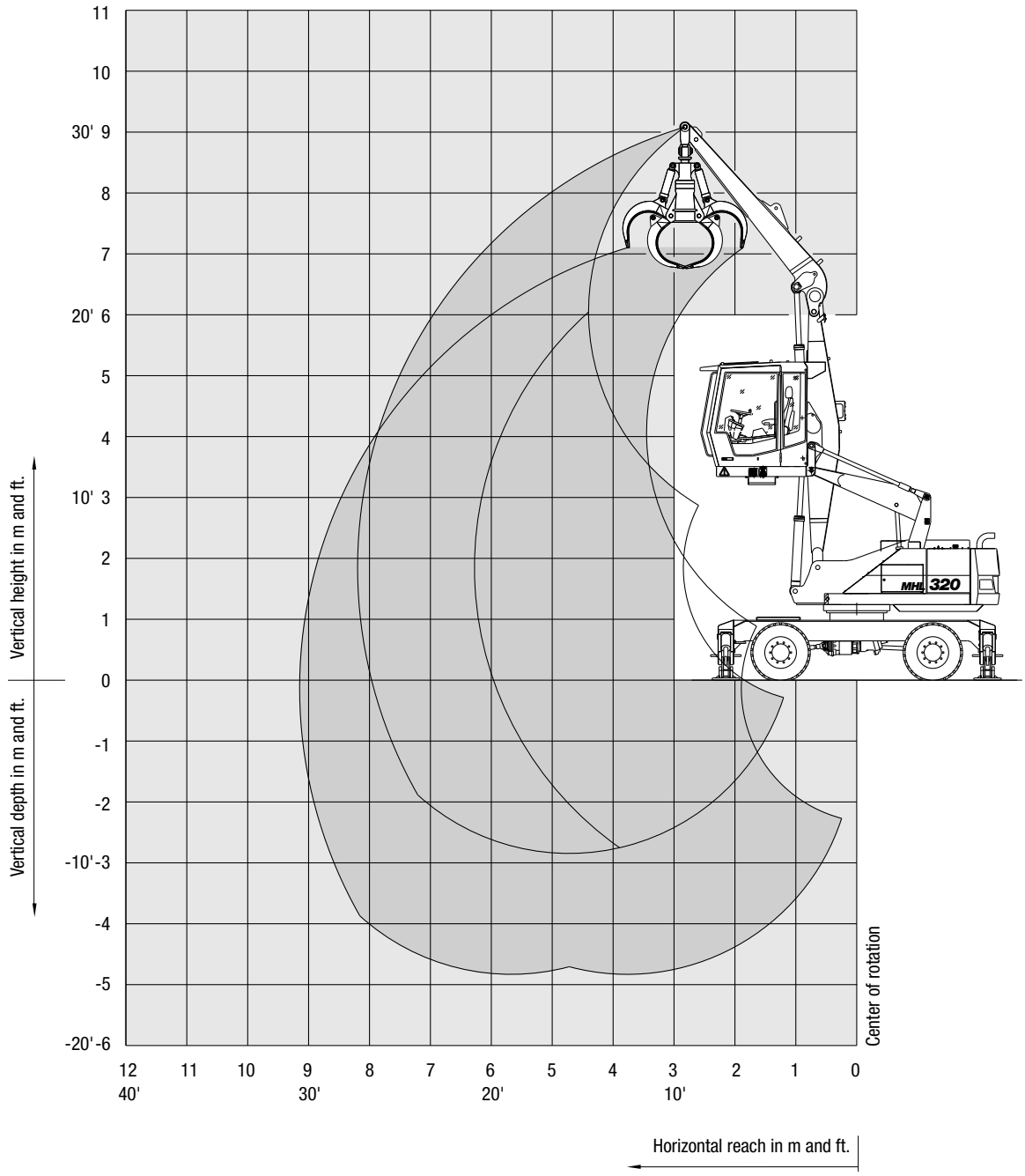
The values are stated in tons (t) or lbs. The pump pressure for this table is 360 bar (5,221 psi). The values amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked *). When the machine is standing on solid and level ground, these values apply to slewing operations through 360°. The values in brackets apply in the lengthwise direction of the undercarriage. The values specified “non-supported” only apply when the load is hoisted above the front or rear axle. The weight of the attached load hoisting implement (grab, magnet, load hook, linkage, bucket cylinder, etc.) must be deducted from the carrying capacity values.

In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

Working Diagram

MHL 320 reach 8.2 m (26'9")

- Work equipment: box-type boom 4.2 m (13'7"), multi-purpose stick 3.7 m (12') and cactus grab.



Lifting Capacity

MHL 320 reach 8.2 m (26'9")

- Work equipment: box-type boom 4.2 m (13'7"), multi-purpose stick 3.7 m (12') and cactus grab.

Height in m	Undercarriage stabilizers	Reach in m 3	4.5	6	7.5
9	non supported				
	4-pt. supported				
	2-pt. blade-supported				
7.5	non supported		(6.2*)		
	4-pt. supported		6.6* (6.6*)		
	2-pt. blade-supported		6.6* (6.6*)		
6	non supported		(6.2*)	(4.0)	
	4-pt. supported		6.2* (6.2*)	5.6* (5.6*)	
	2-pt. blade-supported		6.2* (6.2*)	5.1 (5.6*)	
4.5	non supported		(6.2)	(3.9)	(2.8)
	4-pt. supported		6.6* (6.6*)	5.7* (5.7*)	4.4 (4.8*)
	2-pt. blade-supported		6.6* (6.6*)	5.1 (5.7*)	3.6 (4.8*)
3	non supported	(9.2*)	(5.9)	(3.8)	(2.7)
	4-pt. supported	9.2* (9.2*)	7.6* (7.6*)	6.0* (6.0*)	4.4 (4.8*)
	2-pt. blade-supported	7.7* (7.7*)	7.7* (7.7*)	5.0 (5.8*)	3.6 (4.6*)
1.5	non supported	(10.7)	(5.6)	(3.7)	(2.7)
	4-pt. supported	14.1* (14.1*)	8.6* (8.6*)	6.1 (6.2*)	4.3 (4.7*)
	2-pt. blade-supported	14.1* (14.1*)	7.6 (8.6*)	4.8 (6.2*)	3.5 (4.7*)
0	non supported	(7.7)	(5.4)	(3.6)	(2.6)
	4-pt. supported	7.7* (7.7*)	8.6* (8.6*)	6.0 (6.0*)	4.1* (4.1*)
	2-pt. blade-supported	7.7* (7.7*)	7.3 (8.6*)	4.7 (6.0*)	3.4 (4.1*)
-1.5	non supported	(8.1*)	(5.3)	(3.5)	
	4-pt. supported	8.1* (8.1*)	7.2* (7.2*)	4.9* (4.9*)	
	2-pt. blade-supported	8.1* (8.1*)	7.2* (7.2*)	4.7 (4.9*)	
-3	non supported				
	4-pt. supported				
	2-pt. blade-supported				

Height in ft.	Undercarriage stabilizers	Reach in ft. 10	15	20	25
30	non supported				
	4-pt. supported				
	2-pt. blade-supported				
25	non supported		(13,600*)		
	4-pt. supported		13,600* (13,600*)		
	2-pt. blade-supported		13,600* (13,600*)		
20	non supported		(13,600*)	(9,000*)	
	4-pt. supported		13,600* (13,600*)	11,800* (11,800*)	
	2-pt. blade-supported		13,600* (13,600*)	11,800* (11,800*)	
15	non supported		(13,600)	(9,000)	(6,300)
	4-pt. supported		13,600* (13,600*)	12,000* (12,000*)	10,500 (10,500*)
	2-pt. blade-supported		13,600* (13,600*)	11,800 (12,000*)	8,100 (10,500*)
10	non supported	(20,200*)	(13,600)	(8,700)	(6,300)
	4-pt. supported	20,200* (20,200*)	15,800* (15,800*)	12,000* (12,000*)	9,800 (10,500*)
	2-pt. blade-supported	20,200* (20,200*)	15,800* (15,800*)	11,400* (12,700*)	8,100 (10,500*)
5	non supported	(24,200)	(12,900)	(8,500)	(6,100)
	4-pt. supported	29,700* (29,700*)	18,400* (18,400*)	13,600 (13,600*)	9,800 (10,300*)
	2-pt. blade-supported	29,700* (29,700*)	17,100 (18,400*)	10,900 (13,600*)	7,800 (10,300*)
0	non supported	(10,900)	(12,200)	(8,300)	(6,100)
	4-pt. supported	18,600* (18,600*)	19,100* (19,100*)	13,400 (13,400*)	9,600* (9,600*)
	2-pt. blade-supported	18,600* (18,600*)	16,400 (19,100*)	10,700 (13,400*)	8,300 (9,600*)
-5	non supported	(17,500*)	(12,000)	(8,100)	
	4-pt. supported	17,500* (17,500*)	16,700* (16,700*)	11,400* (11,400*)	
	2-pt. blade-supported	17,500* (17,500*)	16,500* (16,700*)	10,700 (11,400*)	
-10	non supported				
	4-pt. supported				
	2-pt. blade-supported				

Remarks

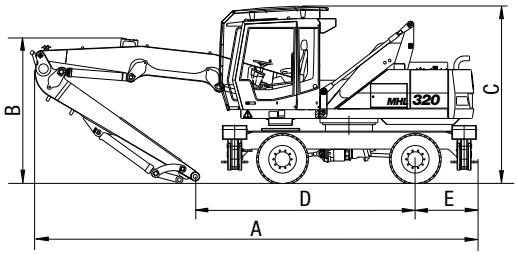
The values are stated in tons (t) or lbs. The pump pressure for this table is 360 bar (5,221 psi). The values amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked *). When the machine is standing on solid and level ground, these values apply to slewing operations through 360°. The values in brackets apply in the lengthwise direction of the undercarriage. The values specified “non-supported” only apply when the load is hoisted above the front or rear axle. The weight of the attached load hoisting implement (grab, magnet, load hook, linkage, bucket cylinder, etc.) must be deducted from the carrying capacity values.

In accordance with EC guidelines, hose-rupture safety valves on the lift cylinders and an overload warning device are required for crane operations.

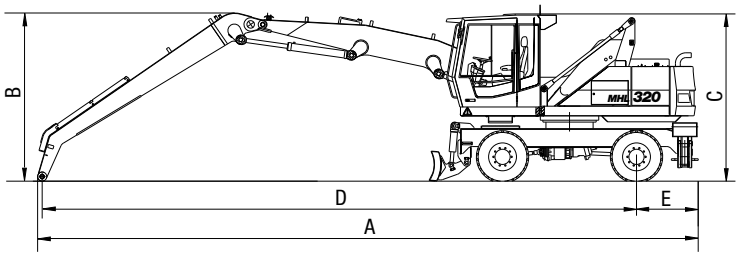
LOADING MACHINES

MHL 320

Transport dimensions on a flat-bed trailer 4-pt. stabilizers



Transport dimensions on a flat-bed trailer 2-pt. stabilizers with support blade. Work attachment 10.4 m (34' 1")



Transport Dimensions

Dim.	4-point stabilizers, reach 10.4 m (34' 1")	4-point stabilizers, reach 9.5 m (31' 1")	4-point stabilizers, reach 9.2 m (30' 1") with multi purpose stick	4-point stabilizers, reach 8.5 m (27' 8")	4-point stabilizers, reach 8.2 m (26' 9") with multi purpose stick	2-point stabilizers with support blade, reach 10.4 m (34' 1")	2-point stabilizers with support blade, reach 9.5 m (31' 1")	2-point stabilizers with support blade, reach 9.2 m (30' 1") with multi purpose stick	2-point stabilizers with support blade, reach 8.5 m (27' 8")	2-point stabilizers with support blade, reach 8.2 m (26' 9") with multi purpose stick
A	12,330 mm (485")	8,250 mm (325")	8,340 mm (328")	7,200 mm (283")	7,320 mm (288")	12,330 mm (485")	8,250 mm (325")	8,340 mm (328")	10,150 mm (400")	7,260 mm (286")
B	3,135 mm (123")	3,250 mm (128")	2,740 mm (108")	3,500 mm (138")	3,000 mm (118")	3,135 mm (123")	3,250 mm (128")	2,740 mm (108")	3,150 mm (124")	3,450 mm (136")
C	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")	* 3,150 mm (124")
D	11,100 mm (437")	4,700 mm (185")	4,140 mm (163")	3,900 mm (154")	3,480 mm (137")	11,100 mm (437")	4,700 mm (185")	4,140 mm (163")	8,760 mm (345")	3,930 mm (155")
E	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")	1,151 mm (45")

* with roof guard 3,355 mm (132")

Grabs

- 0.4 m^3 (0.53 yd^3) cactus grab (optional) with cast central case and enclosed swing drive, grab jaws with wear-resistant grab liners and tips.

Safety Equipments

- Required as option when machine is used for load hook oprertions in compliance with EN 474-5. Protection of cab ensured by work equipment operating range limit.

Official Homologation

- Certification according to CE-regulations.

Option: Reversable Fan

- Reversable intake direction of engine and oil cooler.
  Advantage: longer machine operating time in dusty environment.

Cab

- **Cab:** ergonomically shaped driver's cab with functional design and excellent all-round visibility, infinitely variable hydraulically height-adjustable with max. eye-level of 4.8 m (15'7").
- **Driver's seat:** mechanically cushioned comfort seat with safety belt and integrated headrest, seat heating available on request.
  Seat position, seat inclination and seat cushion multi-adjustable in line with position of armrests and pilot control units, allowing fatigue-free operations.
- **Steering wheel:** inclinable and height adjustable having a rigid steering post.
- Infinitely variable hotwater heating with 3-speed fan, 4 adjustable defroster nozzles.
- Air conditioning as standard.
- Up and over type front windshield with pull-down sunblind, lift-up skylight on cab roof.
- **Option:** air cushioned comfort seat with integrated headrest, cab with bullet-proofed glass.
- Acoustic power level (guaranteed) L_{WA}= 102 dB(A).

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