Transport dimensions on a flat-bed trailer



Transp	ort Dimensions
Dimensions	Reach
	11.0 m (36')
А	10,200 mm (402")
В	5,950 mm (234")
С	3,200 mm (126")
D	1,300 mm (51")
E	440 mm (17")
F	3,800 mm (150")
G	3,300 mm (130")

Logging Grabs

Capacity up to 2.0 m² (2.63 yd²) - 3.2 m² (4 yd²) optional, according to job-site conditions.

Safety Equipments

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

Official Homologation

Certification according to CE-regulations.

Cab

• **Cab:** ergonomically shaped driver's cab with functional design and excellent all-round visibility, rigid mounted with standard eye level of 4.0 m (13'1"), optional 4.4 m (14'4")/ 4.8 m (15'7").

Driver's seat: air-cushioned comfort seat with pneumatically adjusttable lumbar support, 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.

- Joy-Stick steering, automatic steering reversal as standard.
- 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: cab with bullet-proofed glass or LEXAN glass, windshield screen, auxiliary heating, stereo cassette radio, steering wheel.
- Acoustic power level (guaranteed) L_{wA}= 107 dB(A).

Option: Reversable Fan

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



Diesel Engine	
Manufacturer and type	Deutz-BF6M 1013 FC
Design	6-cylinder turbocharged and charge air cooler.
Engine output	165 kW (221 HP)
Nominal speed	2,000 rpm
Displacement	7.1 I (433 cb in)
Cooling system	Water and charge air cooling.
Emission standards	COM II und EPA TIER II
Air filter design	Two-stage filter with safety valve.
Fuel tank	530 I (140 US gal)

Electrical Syste	em
Operating voltage	24 V
Batteries	2 x 12 V / 100 Ah / 760 A (accord. to EN)
Ligthing set	2 Xenon-driving lights on upper carriage/ front of chassis and rear of chassis, 2 Xenon-dipperstick-mounted working floodlights, 3 Xenon-cabin-mounted working floodlights, additionally 1 Xenon working-floodlight on the right side, rear side maker and turn signal lamps.

Travel Drive

, ,	ely variable axial piston motor and direc- , two-speed switch gear, 4-wheel drive.
Travel speed 1st gear	0 - 6 km/h (0 - 3.7 mph)
Travel speed 2nd gear	0 - 20 km/h (0 - 12.4 mph)
Turning radius	6.0 m (19'6")

Operating Weight

Basic machine includ. one s	upporting blade and work attachment
Reach 11.0 m (36')	38,500 kg (84,877 lbs)

MHL 464

Swing System	
Ring gear	Internally toothed ring gear.
Drive	Multi-stage planetary gear with integrated multi-disc 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, max. steering angle 30°.

Stabilizers	Front-mounted supporting blade, optional: rear-mounted supporting blade.
Tires	Pneumatic tires 8-fold, 14.00-24

+ 4-wheel steering. Central lubricating system with central greasing point.

Brake System

Service brake: Hydraulic dual-circuit braking system acting seperately on front and rear axle, torque controlled brake system acting on all four wheels

Parking brake: Electro-hydraulic spring-loaded accumulator brake on gear box acting on both front and rear axle.

Hydraulic System

Single circuit hydraulic system with flow-on-demand control, optimal use of the available engine output through power management control. Seperate oil cooler with large cooling surface, temperature controlled fan speed Hydraulic oil filter integrated in the oil tank. Central lubricating system as standard. 640 l/min (196 US gal/min) at 2,000 rpm Max. pump capacity Max. operating pressure 360 bar (5,221 psi) Hydraulic oil tank 610 | (161 US gal)

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Working Diagram

MHL 464 reach 11.0 m (36')

▶ Work equipment: box-type boom 8.2 m (26'9"), dipperstick 4.7 m (15'4").



Lifting Capacity

MHL 464 reach 11.0 m (36')

▶ Work equipment: box-type boom 8.2 m (26'9"), dipperstick 4.7 m (15'4").

Height in m	Undercarriage stabilizers	4.5	6
	non supported	9.6*	
13.5	1-blade-supported	9.6* (9.6*)	
	2-blade-supported	9.6* (9.6*)	
	non supported	11.2*	9.6*
12	1-blade-supported	11.2* (11.2*)	9.6* (9.6*)
	2-blade-supported	11.2* (11.2*)	9.6* (9.6*)
	non supported	12.4*	11.4*
10.5	1-blade-supported	12.4* (12.4*)	11.4* (11.4*)
	2-blade-supported	12.4* (12.4*)	11.4* (11.4*)
	non supported	14.0*	11.9*
9	1-blade-supported	14.0* (14.0*)	11.9* (11.9*)
3	2-blade-supported	14.0* (14.0*)	11.9* (11.9*)
	non supported	14.0 (14.0)	11.9 (11.9)
7.5			
1.5	1-blade-supported	14.9* (14.9*)	12.5* (12.5*)
	2-blade-supported	14.9* (14.9*)	12.5* (12.5*)
	non supported	16.3*	11.2
6	1-blade-supported	16.3* (16.3*)	12.2 (13.2*)
	2-blade-supported	16.3* (16.3*)	13.2* (13.2*)
	non supported	16.1	10.7
4.5	1-blade-supported	17.5* (17.5*)	11.7 (13.8*)
	2-blade-supported	17.5* (17.5*)	13.8* (13.8*)
	non supported	15.3	10.3
3	1-blade-supported	17.0 (18.2*)	11.3 (14.2*)
	2-blade-supported	18.2* (18.2*)	13.8 (14.2*)
	non supported	13.7*	9.9
1.5	1-blade-supported	13.7* (13.7*)	10.9 (14.0*)
	2-blade-supported	13.7* (13.7*)	13.4 (14.0*)
	non supported	12.7*	9.8
0	1-blade-supported	12.7* (12.7*)	10.8 (13.1*)
-	2-blade-supported	12.7* (12.7*)	13.1* (13.1*)
Heiaht	Undercarriage		
in ft.	stabilizers	15	20
	non supported	21,100*	
45	1-blade-supported	21,100* (21,100*)	
	2-blade-supported	21,100* (21,100*)	
	non supported	24,600*	21,100*
40	1-blade-supported	24,600* (24,600*)	21,100* (21,100*
	2-blade-supported	24,600* (24,600*)	21,100* (21,100*
	non supported	27,300*	25,100*
35	1-blade-supported	27,300* (27,300*)	25,100* (25,100*
	2-blade-supported	27,300* (27,300*)	25,100* (25,100*
	non supported	30,800*	26,200*
30	1-blade-supported	30,800* (30,800*)	26,200* (26,200*
	2-blade-supported	30,800* (30,800*)	26,200* (26,200*
	non supported	32,800*	25,500
25	1-blade-supported	32,800* (32,800*)	27,500* (27,500*
20	2-blade-supported		
-		32,800* (32,800*)	27,500* (27,500*
00	non supported	35,900*	24,600
20	non supported 1-blade-supported	35,900* 35,900* (35,900*)	24,600 26,800 (29,100*)
20	non supported 1-blade-supported 2-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*)	24,600 26,800 (29,100* 29,100* (29,100*
	non supported 1-blade-supported 2-blade-supported non supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400	24,600 26,800 (29,100* 29,100* (29,100* 23,500
	non supported 1-blade-supported 2-blade-supported non supported 1-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*)	24,600 26,800 (29,100* 29,100* (29,100* 23,500 25,700 (30,400*
	non supported 1-blade-supported 2-blade-supported non supported 1-blade-supported 2-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*)	24,600 26,800 (29,100*) 29,100* (29,100* 23,500 25,700 (30,400*) 30,400* (30,400*
15	non supported 1-blade-supported 2-blade-supported non supported 1-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*) 38,500* (38,500*) 33,700	24,600 26,800 (29,100* 29,100* (29,100* 23,500 25,700 (30,400* 30,400* (30,400* 22,700
15	non supported 1-blade-supported 2-blade-supported non supported 1-blade-supported 2-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*)	24,600 26,800 (29,100*) 29,100* (29,100*) 23,500 25,700 (30,400*) 30,400* (30,400* 22,700
15	non supported 1-blade-supported 2-blade-supported 1-blade-supported 2-blade-supported non supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*) 38,500* (38,500*) 33,700	24,600 26,800 (29,100* 29,100* (29,100* 23,500 25,700 (30,400* 30,400* (30,400* 22,700 24,900 (31,300*
15	non supported 1-blade-supported 2-blade-supported non supported 2-blade-supported 2-blade-supported non supported 1-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*) 33,500* (38,500*) 33,700 37,400 (40,100*)	24,600 26,800 (29,100*) 29,100* (29,100* 23,500 25,700 (30,400*) 30,400* (30,400*) 22,700 24,900 (31,300*)
15	non supported 1-blade-supported 2-blade-supported 1-blade-supported 2-blade-supported 1-blade-supported 1-blade-supported 2-blade-supported non supported	35,900* 35,900" (35,900*) 35,900" (35,900*) 38,500" (38,500*) 38,500" (38,500*) 33,700 37,400 (40,100*) 40,100" (40,100*) 30,200*	24,600 26,800 (29,100" 29,100" (29,100" 23,500 25,700 (30,400") 30,400" (30,400" 22,700 24,900 (31,300") 30,400 (31,300") 21,800
15	non supported 1-blade-supported 2-blade-supported non supported 2-blade-supported 2-blade-supported 1-blade-supported 2-blade-supported 1-blade-supported non supported 1-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*) 33,700 37,400 (40,100*) 40,100* (40,100*) 30,200* 30,200* (30,200*)	24,600 26,800 (29,100") 29,100" (29,100" 23,500 25,700 (30,400" 30,400" (30,400" 22,700 24,900 (31,300") 30,400 (31,300") 21,800 24,000 (30,800")
15	non supported 1-blade-supported 2-blade-supported 1-blade-supported 1-blade-supported 1-blade-supported 1-blade-supported 2-blade-supported non supported non supported 2-blade-supported 2-blade-supported 2-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*) 33,700 37,400 (40,100*) 40,100* (40,100*) 30,200* 30,200* (30,200*)	24,600 26,800 (29,100") 29,100" (29,100" 23,500 25,700 (30,400") 30,400" (30,400") 22,700 24,900 (31,300") 30,400 (31,300") 21,800 24,000 (30,800") 29,500 (30,800")
	non supported 1-blade-supported 2-blade-supported non supported 2-blade-supported 2-blade-supported 1-blade-supported 2-blade-supported 1-blade-supported non supported 1-blade-supported	35,900* 35,900* (35,900*) 35,900* (35,900*) 35,400 38,500* (38,500*) 38,500* (38,500*) 33,700 37,400 (40,100*) 40,100* (40,100*) 30,200* 30,200* (30,200*)	24,600 26,800 (29,100") 29,100" (29,100" 23,500 25,700 (30,400" 30,400" (30,400" 22,700 24,900 (31,300") 30,400 (31,300") 21,800 24,000 (30,800")

Remarks

The values are stated in tons (t) or lbs. The pump pressure for this table is 360 bar (5,220 psi). The values amount to 75 % of the static tipping load or 87 % of the hydraulic lifting force (marked *), in accordance with ISO 10567. When the machine is standing on solid and level ground, these values apply to slewing operations through 360°. The values in brackets

LOADING MACHINES

Reach in m		
7.5	9	10.5
8.6		
9.4* (9.4*)		
9.4* (9.4*)		
8.5	6.4	
9.3 (10.6*)	7.0 (8.4*)	
10.6* (10.6*)	8.4* (8.4*)	
8.3	6.3	
9.1 (10.9*)	6.9 (9.6*)	
10.9* (10.9*)	8.2 (9.6*)	
8.1	6.2	4.9
8.8 (11.1*)	6.8 (9.7*)	5.4 (7.6*)
10.6 (11.1*)	8.1 (9.7*)	6.4 (7.6*)
7.8 8.5 (11.4*)	6.1 6.6 (9.8*)	4.9 5.3 (8.4*)
10.3 (11.4*)	7.9 (9.8*)	6.3 (8.4*)
7.6	5.9	4.8
8.3 (11.6*)	6.5 (9.8*)	5.2 (8.3*)
10.0 (11.6*)	7.7 (9.8*)	6.3 (8.3*)
7.4	5.8	4.7
8.1 (11.5*)	6.3 (9.6*)	5.2 (7.8*)
9.8 (11.5*)	7.6 (9.6*)	6.2 (7.8*)
7.3	5.7	
8.0 (10.8*)	6.3 (8.9*)	
9.7 (10.8*)	7.6 (8.9*)	
Reach in ft.		
25	30	35
18,900		
20,700* (20,700*)		
20,700* (20,700*)		
18,700	14,100	
20,500 (23,300*)	15,400 (18,500*)	
23,300* (23,300*)	18,500* (18,500*)	
18,200	13,800	
20,000 (24,000*)	15,200 (21,100*)	
24,000* (24,000*)	18,000 (21,100*)	
17,800	13,600	10,800
19,400 (24,400*)	14,900 (21,300*)	11,900 (16,700*)
23,300 (24,400*)	17,800 (21,300*)	14,100 (16,700*)
17,100	13,400	10,800
	14,500 (21,600*)	11,600 (18,500*)
18,700 (25,100*)	17 /00 (21 600*)	13,800 (18,500*)
18,700 (25,100*) 22,700 (25,100*)	17,400 (21,600*)	10 500
18,700 (25,100*) 22,700 (25,100*) 16,700	13,000	10,500
18,700 (25,100*) 22,700 (25,100*) 16,700 18,200 (25,500*)	13,000 14,300 (21,600*)	11,400 (18,200*)
18,700 (25,100*) 22,700 (25,100*) 16,700 18,200 (25,500*) 22,000 (25,500*)	13,000 14,300 (21,600*) 16,900 (21,600*)	11,400 (18,200*) 13,800 (18,200*)
18,700 (25,100*) 22,700 (25,100*) 16,700 18,200 (25,500*) 22,000 (25,500*) 16,300	13,000 14,300 (21,600*) 16,900 (21,600*) 12,700	11,400 (18,200*) 13,800 (18,200*) 10,300
18,700 (25,100*) 22,700 (25,100*) 16,700 18,200 (25,500*) 22,000 (25,500*)	13,000 14,300 (21,600*) 16,900 (21,600*)	11,400 (18,200*) 13,800 (18,200*)
18,700 (25,100*) 22,700 (25,100*) 16,700 18,200 (25,500*) 22,000 (25,500*) 16,300 17,800 (25,300*)	13,000 14,300 (21,600*) 16,900 (21,600*) 12,700 13,800 (21,100*)	11,400 (18,200*) 13,800 (18,200*) 10,300 11,400 (17,100*)
18,700 (25,100*) 22,700 (25,100*) 16,700 18,200 (25,500*) 22,000 (25,500*) 16,300 17,800 (25,300*) 21,600 (25,300*)	13,000 14,300 (21,600°) 16,900 (21,600°) 12,700 13,800 (21,100°) 16,700 (21,100°)	11,400 (18,200*) 13,800 (18,200*) 10,300 11,400 (17,100*)