



Volvo Construction Equipment

EW140D

VOLVO EXCAVATORS 14.1-16.1t 143hp



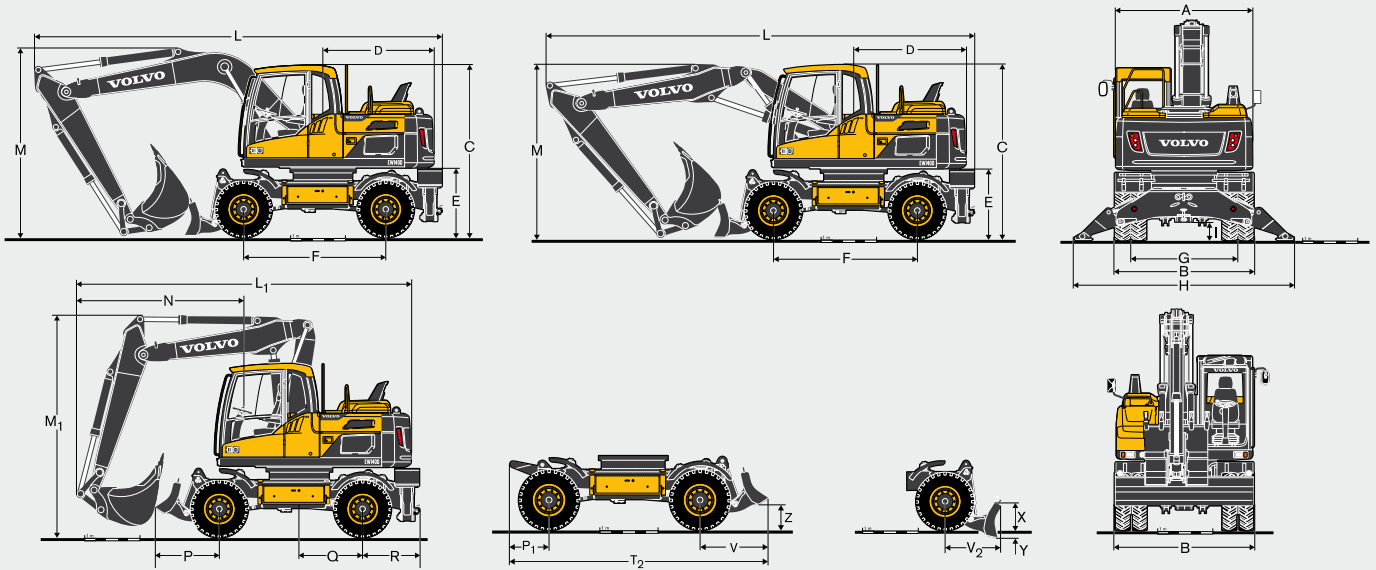
PERFORMANCE YOU CAN MEASURE.



Performance

Optimized breakout and digging force through impeccable hydraulic cylinders ensure increased digging power for high performance. The radial blade width is 2.55m and an optional parallel blade is available. Kinematics minimize road damage.

DIMENSIONS.



Description	Unit	Mono boom		2-piece boom		Mono offset boom	
	m	4.5		4.7		4.75	
A Overall width of superstructure	mm	2 520		2 520		2 520	
B Overall width	mm	2 540		2 540		2 540	
C Overall height of cab	mm	3 140		3 140		3 140	
D Tail slew radius	mm	2 030		2 030		2 030	
E Counterweight clearance	mm	1 250		1 250		1 250	
F Wheel base	mm	2 600		2 600		2 600	
G Tread	mm	1 940		1 940		1 940	
H Outrigger width (front or rear)	mm	3 980		3 980		3 980	
I Min. ground clearance	mm	350		350		350	

Description	Unit	Mono boom					2-piece boom				
		4.5					4.7				
	m	Arm		Grab Arm			Arm		Grab Arm		
	m	2.0	2.45	2.6	3.1	2.95*	2.0	2.45	2.6	3.1	2.95*
L Overall length	mm	7 640	7 510	7 450	7 300	7 710*	7 840	7 760	7 720	7 540	7 790*
M Overall height of boom	mm	2 900	3 320	3 440	3 700	3 250*	2 730	3 040	3 140	3 660	3 200*
L ₁ Overall length	mm						5 830	6 160	6 200	5 550**	6 880
M ₁ Overall height of boom	mm						3 990	4 000	4 000	3 980**	3 930
N Front overhang	mm						2 610	2 940	2 990	2 330**	3 500

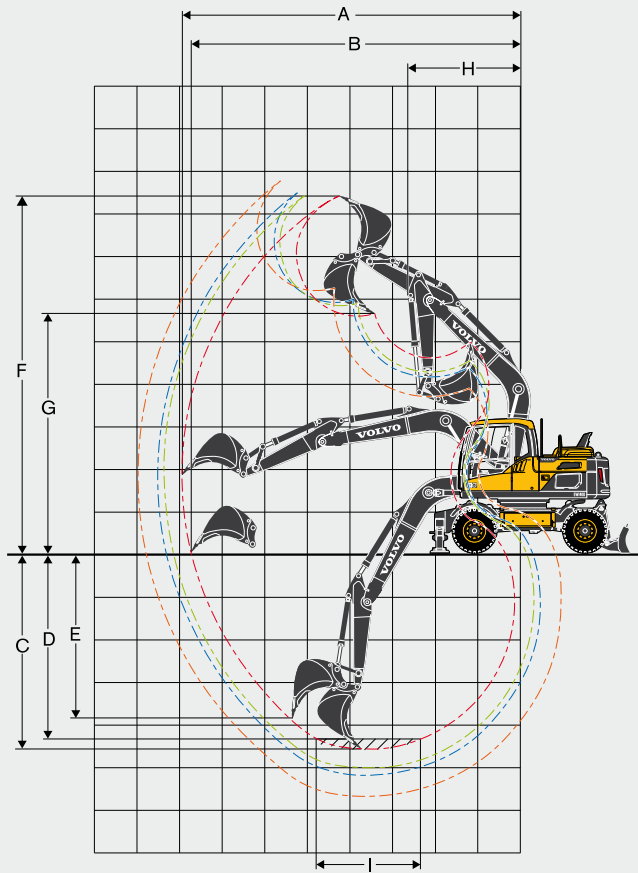
Description	Unit	Mono offset boom			
		4.75			
	m	Arm			
	m	2.0	2.45		3.1
L Overall length	mm	7 890		7 870	7 600
M Overall height of boom	mm	2 970		3 250	3 860

*grab arm, without clamshell bucket

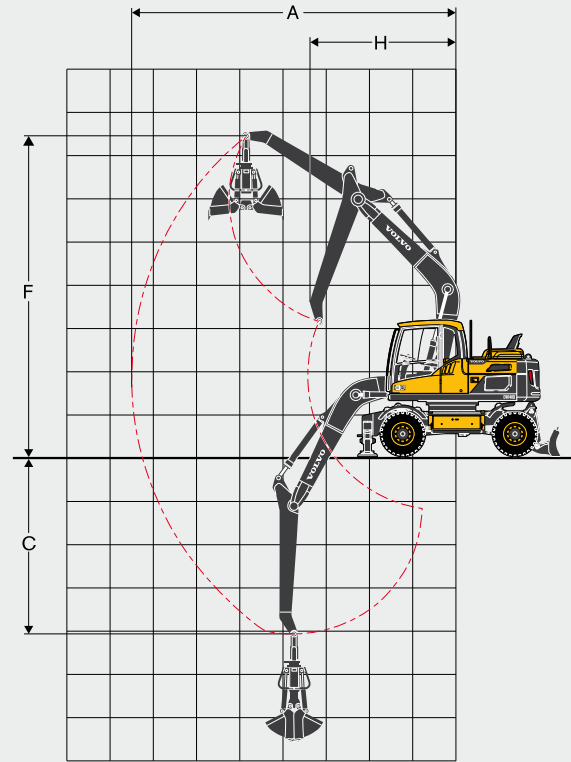
** without bucket

Description	Unit	Undercarriage dimensions
P	mm	1 150
P ₁	mm	670
Q	mm	1 150
R	mm	1 030
T	mm	4 780
T ₂	mm	4 470
V	mm	1 160
V ₂	mm	1 010
X	mm	630
Y	mm	180
Z	mm	400

WORKING RANGES & DIGGING FORCES.



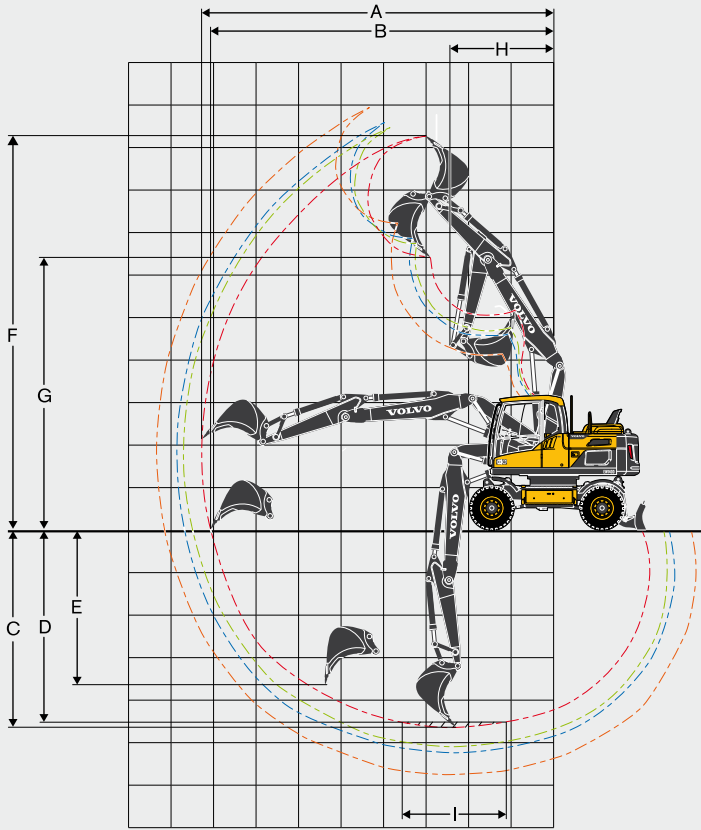
Mono boom 4.5 m and dipper arm 2.0 m, 2.45 m, 2.6 m, 3.1 m



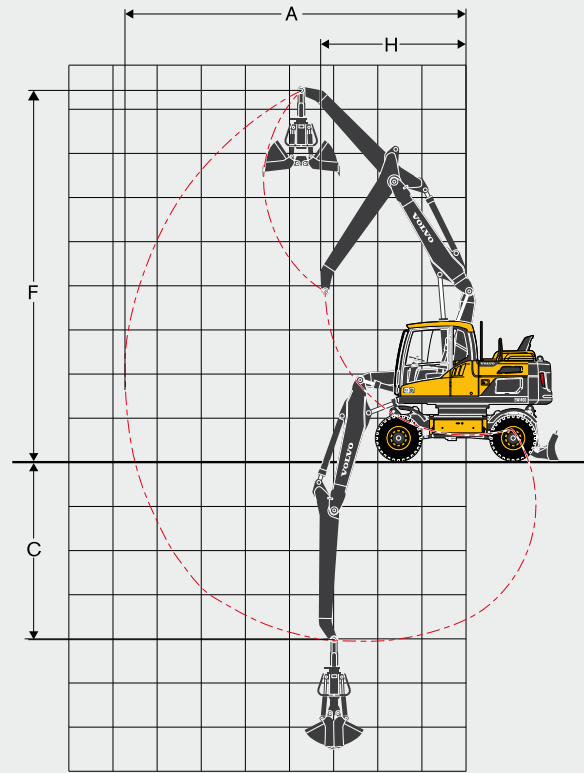
Monoboom 4.5m and grab arm 2.95 m

Description	Unit	Mono boom					
		4.5				Grab arm	
		Arm				2.95	
		2.0	2.45	2.6	3.1		
A	Max. digging reach	mm	7 970	8 390	8 530	9 000	7 380
B	Max. digging reach on ground	mm	7 760	8 190	8 330	8 810	
C	Max. digging depth	mm	4 600	5 050	5 210	5 700	4 120
D	Max. digging depth (l = 2 440 mm level)	mm	4 370	4 860	5 020	5 540	
E	Max. vertical wall digging depth	mm	3 870	4 300	4 430	4 920	
F	Max. cutting height	mm	8 310	8 550	8 630	8 900	7 330
G	Max. dumping height	mm	5 570	5 800	5 890	6 150	
H	Min. front slew radius	mm	2 700	2 720	2 720	2 730	3 270
Digging forces with direct fit bucket							
Breakout force - bucket	(ISO)	kN	108.5*	108.5*	108.5*	108.5*	
Tearout force	(ISO)	kN	73*	63.5*	61*	53.5*	*with Power boost
Max. recommended sizes for direct fit buckets							
GP-Bucket (1.8 t/m ³)	l		730	730	730	730	
Max. recommended sizes for quick fit buckets							
S6/S60 QF GP-Bucket (1.8 t/m ³)	l		730	730	730	730	
S6 QF HD-Bucket (2.1 t/m ³)	l		520	520	520	520	
UQF GP-Bucket (1.8 t/m ³)	l		730	730	730	660	

- Note:
1. Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose.
 2. "Max permitted sizes" are for reference only and are not necessarily available from the factory.
 3. Bucket recommendations with heavy counterweight.



2-piece boom 4.7 m and dipper arm 2.0 m, 2.45 m, 2.6 m, 3.1 m



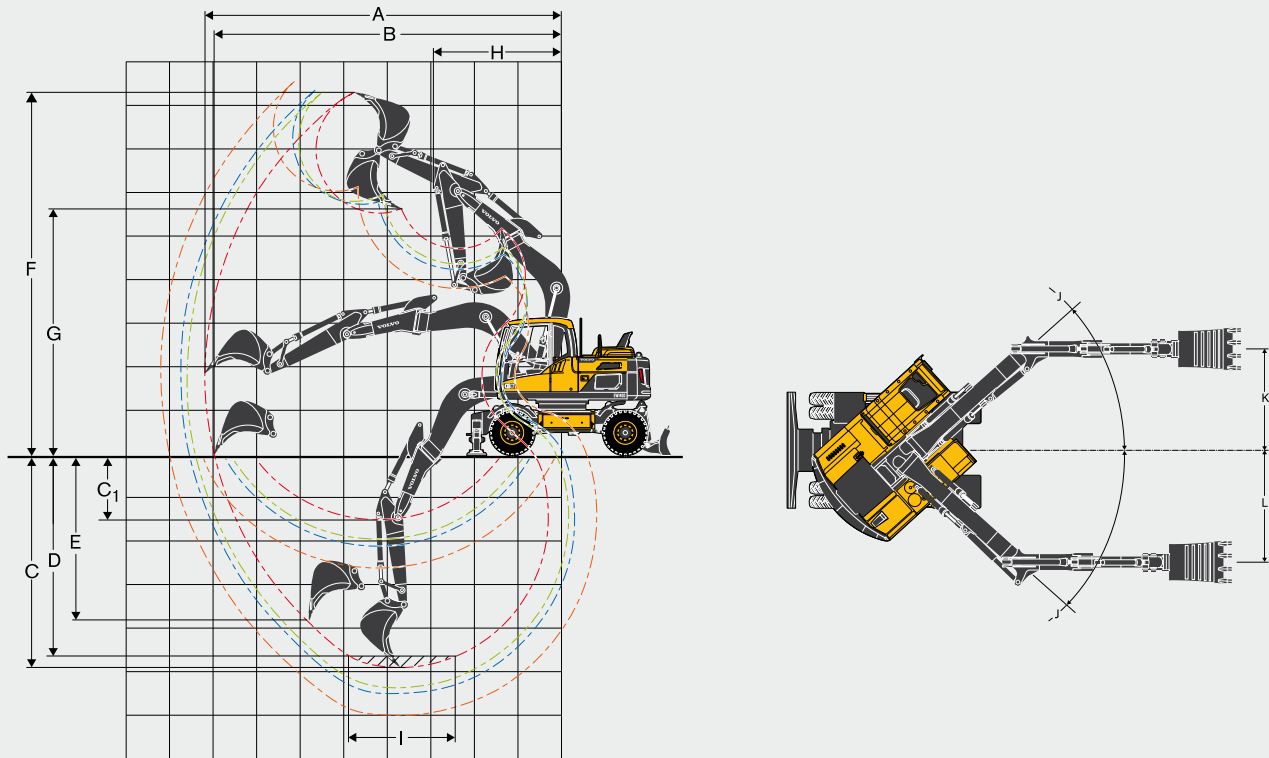
2-piece boom 4.7 m and grab arm 2.95 m

Description	Unit	2-piece boom					Grab arm
		4.7					
		Arm				2.95*	
2.0	2.45	2.6	3.1				
A Max. digging reach	mm	8 230	8 660	8 800	9 280	7 660	
B Max. digging reach on ground	mm	8 030	8 460	8 610	9 100		
C Max. digging depth	mm	4 640	5 090	5 240	5 730	4 140	
D Max. digging depth (l = 2 440 mm level)	mm	4 520	4 980	5 130	5 640		
E Max. vertical wall digging depth	mm	3 640	4 070	4 220	4 700		
F Max. cutting height	mm	9 210	9 540	9 650	10 010	8 380	
G Max. dumping height	mm	6 350	6 680	6 790	7 160		
H Min. front slew radius	mm	2 430	2 550	2 600	2 730	3 220	
Digging forces with direct fit bucket							
Breakout force - bucket	(ISO) kN	108.5*	108.5*	108.5*	108.5*		
Tearout force	(ISO) kN	73*	63.5*	61*	53.5*	*with Power boost	
Max. recommended sizes for direct fit buckets							
GP-Bucket (1.8 t/m ³)	l	730	730	730	660		
Max. recommended sizes for quick fit buckets							
S6/S60 QF GP-Bucket (1.8 t/m ³)	l	730	730	730	580		
S6 QF HD-Bucket (2.1 t/m ³)	l	520	520	520	520		
UQF GP-Bucket (1.8 t/m ³)	l	730	730	730	580		

Note:

1. Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose.
2. "Max permitted sizes" are for reference only and are not necessarily available from the factory.
3. Bucket recommendations with heavy counterweight.

WORKING RANGES & DIGGING FORCES.



**Mono offset boom 4.75 m and
dipper arm 2.0 m, 2.45 m, 2.6 m, 3.1 m**

Description	Unit	Mono offset boom				
		4.75				
		Arm				
		2.0	2.45	2.6	3.1	
A	Max. digging reach	mm	8 160	8 570	8 710	9 170
B	Max. digging reach on ground	mm	7 960	8 370	8 510	8 990
C	Max. digging depth	mm	4 860	5 310	5 470	5 960
C ₁	Max. digging depth at max. attachment offset with vertical trench walls	mm	1 490	1 940	2 090	2 590
D	Max. digging depth (l = 2 440 mm level)	mm	4 610	5 090	5 250	5 780
E	Max. vertical wall digging depth	mm	3 800	4 230	4 370	4 850
F	Max. cutting height	mm	8 270	8 470	8 530	8 760
G	Max. dumping height	mm	5 610	5 770	5 930	6 110
H	Min. front slew radius	mm	2 940	2 920	2 910	2 960
J			42°			
K		mm	2 200			
L		mm	2 420			
Digging forces with direct fit bucket						
Breakout force - bucket	(ISO)	kN	108.5*	108.5*	108.5*	108.5*
Tearout force	(ISO)	kN	73*	63.5*	61*	53.5*
Max. recommended sizes for direct fit buckets						
GP-Bucket (1.8 t/m ³)		l	730	730	730	660
Max. recommended sizes for quick fit buckets						
S6/S60 QF GP-Bucket (1.8 t/m ³)		l	730	730	730	580
S6 QF HD-Bucket (2.1 t/m ³)		l	520	520	520	520
UQF GP-Bucket (1.8 t/m ³)		l	730	730	660	580



Note:

1. Bucket size based on SAE-J296, heaped material with a 1:1 angle of repose.
2. "Max permitted sizes" are for reference only and are not necessarily available from the factory.
3. Bucket recommendations with heavy counterweight.

LIFTING CAPACITY.

At the arm end, without bucket and quick fit. Unit: 1 000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																								Max. m
		1.5 m				3 m				4.5 m				6 m				7.5 m				Max.				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	
4.5m mono boom 2m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	3.9	4.1*	4.1*	4.1*	-	-	-	-	-	-	-	-	3.3	3.4*	3.4*	3.4*	4.9
	4.5 m	-	-	-	-	-	-	-	-	3.8	4.3*	4.3*	4.3*	-	-	-	-	-	-	-	-	2.4	3.2*	3.2*	3.2*	5.9
	3 m	-	-	-	-	6.4	8.0*	8.0*	8.0*	3.6	5.2*	5.2*	5.2*	2.4	4.0	3.8	4.3*	-	-	-	-	2.1	3.3*	3.3*	3.3*	6.4
	1.5 m	-	-	-	-	-	-	-	-	3.4	6.0	5.6	6.1*	2.3	3.9	3.7	4.6*	-	-	-	-	2.0	3.4	3.2	3.6*	6.5
	0 m	-	-	-	-	5.8	7.1*	7.1*	7.1*	3.2	5.8	5.5	6.5*	2.2	3.8	3.6	4.8*	-	-	-	-	2.1	3.6	3.4	4.2*	6.3
	-1.5 m	-	-	-	-	5.8	9.1*	9.1*	9.1*	3.2	5.8	5.5	6.2*	-	-	-	-	-	-	-	-	2.4	4.2	4.0	4.7*	5.6
	-3 m	-	-	-	-	6.0	6.8*	6.8*	6.8*	-	-	-	-	-	-	-	-	-	-	-	-	3.6	4.6*	4.6*	4.6*	4.3
4.5m mono boom 2.45m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7*	2.7*	2.7*	2.7*	5.5
	4.5 m	-	-	-	-	-	-	-	-	3.8	3.9*	3.9*	3.9*	2.4	3.7*	3.7*	3.7*	-	-	-	-	2.2	2.5*	2.5*	2.5*	6.4
	3 m	-	-	-	-	6.6	7.0*	7.0*	7.0*	3.6	4.8*	4.8*	4.8*	2.3	4.0	3.8	4.0*	-	-	-	-	1.9	2.6*	2.6*	2.6*	6.8
	1.5 m	-	-	-	-	5.9	6.7*	6.7*	6.7*	3.4	5.8*	5.6	5.8*	2.2	3.9	3.7	4.4*	-	-	-	-	1.8	2.8*	2.8*	2.8*	6.9
	0 m	-	-	-	-	5.7	7.3*	7.3*	7.3*	3.2	5.8	5.5	6.4*	2.2	3.8	3.6	4.7*	-	-	-	-	1.9	3.2	3.0	3.2*	6.7
	-1.5 m	5.9*	5.9*	5.9*	5.9*	5.7	9.6*	9.6*	9.6*	3.2	5.7	5.4	6.3*	2.2	3.8	3.6	4.4*	-	-	-	-	2.1	3.7	3.5	4.2*	6.1
	-3 m	-	-	-	-	5.8	7.7*	7.7*	7.7*	3.2	5.1*	5.1*	5.1*	-	-	-	-	-	-	-	-	2.9	4.5*	4.5*	4.5*	4.9
4.5m mono boom 2.6m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5*	2.5*	2.5*	2.5*	5.7
	4.5 m	-	-	-	-	-	-	-	-	3.7*	3.7*	3.7*	3.7*	2.4	3.6*	3.6*	3.6*	-	-	-	-	2.1	2.4*	2.4*	2.4*	6.5
	3 m	-	-	-	-	6.7*	6.7*	6.7*	6.7*	3.6	4.7*	4.7*	4.7*	2.4	3.9*	3.8	3.9*	-	-	-	-	1.8	2.4*	2.4*	2.4*	7.0
	1.5 m	-	-	-	-	6.0	7.6*	7.6*	7.6*	3.4	5.7*	5.7	5.7*	2.2	3.9	3.7	4.4*	-	-	-	-	1.8	2.6*	2.6*	2.6*	7.1
	0 m	-	-	-	-	5.7	7.3*	7.3*	7.3*	3.2	5.8	5.5	6.4*	2.2	3.8	3.6	4.7*	-	-	-	-	1.8	3.0*	3.0	3.0*	6.8
	-1.5 m	5.6*	5.6*	5.6*	5.6*	5.7	9.7*	9.7*	9.7*	3.2	5.7	5.4	6.4*	2.1	3.7	3.5	4.5*	-	-	-	-	2.0	3.5	3.4	3.8*	6.2
	-3 m	-	-	-	-	5.8	8.0*	8.0*	8.0*	3.2	5.3*	5.3*	5.3*	-	-	-	-	-	-	-	-	2.7	4.4*	4.4*	4.4*	5.1
4.5m mono boom 3.1m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.5*	2.5*	2.5*	-	-	-	-	2.0*	2.0*	2.3*	2.0*	6.3
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	3.2*	3.2*	3.2*	-	-	-	-	1.9	1.9*	2.0*	1.9*	7.1
	3 m	-	-	-	-	-	-	-	-	3.7	4.2*	4.2*	4.2*	2.4	3.6*	3.6*	3.6*	-	-	-	-	1.6	1.9*	2.0*	1.9*	7.5
	1.5 m	-	-	-	-	6.1	8.5*	8.5*	8.5*	3.4	5.3*	5.3*	5.3*	2.2	3.9	3.7	4.1*	1.6	2.3*	2.3*	2.3*	1.6	2.0*	1.9*	2.0*	7.6
	0 m	2.5*	2.5*	2.5*	2.5*	5.7	7.7*	7.7*	7.7*	3.2	5.8	5.5	6.2*	2.1	3.7	3.5	4.5*	-	-	-	-	1.6	2.3*	1.9*	2.3*	7.3
	-1.5 m	4.9*	4.9*	4.9*	4.9*	5.6	9.9*	9.9*	9.9*	3.1	5.7	5.3	6.4*	2.1	3.7	3.5	4.6*	-	-	-	-	1.8	2.8*	1.9*	2.8*	6.8
	-3 m	8.0*	8.0*	8.0*	8.0*	5.7	8.7*	8.7*	8.7*	3.1	5.7	5.4	5.8*	-	-	-	-	-	-	-	-	2.3	4.0	1.6	4.1*	5.7
4.5m mono boom 2.95m grab arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3.2*	3.2*	3.2*	-	-	-	-	2.7	3.2*	3.2*	3.2*	6.0
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3.6*	3.6*	3.6*	-	-	-	-	2.2	3.1*	3.1*	3.1*	6.9
	3 m	-	-	-	-	-	-	-	-	3.9	4.6*	4.6*	4.6*	2.6	4.0*	4.0*	4.0*	-	-	-	-	1.9	3.1*	3.0	3.1*	7.3
	1.5 m	-	-	-	-	-	-	-	-	3.7	5.8*	5.8*	5.8*	2.5	4.1	3.9	4.5*	-	-	-	-	1.9	3.0	2.9	3.4*	7.4
	0 m	-	-	-	-	6.1	7.9*	7.9*	7.9*	3.5	6.1	5.7	6.6*	2.4	4.0	3.8	4.9*	-	-	-	-	1.9	3.1	3.0	3.8*	7.1
	-1.5 m	5.4*	5.4*	5.4*	5.4*	6.0	1.3*	1.3*	1.3*	3.4	6.0	5.6	6.7*	2.4	3.9	3.8	4.9*	-	-	-	-	2.1	3.5	3.3	4.4*	6.6
	-3 m	9.3*	9.3*	9.3*	9.3*	6.1	8.9*	8.9*	8.9*	3.4	6.0*	5.7	6.0*	-	-	-	-	-	-	-	-	2.7	4.5	4.3	4.6*	5.5

Notes:

1. Working pressure with Power Boost = 36 MPa.



2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

LIFTING CAPACITY.

At the arm end, without bucket and quick fit. Unit: 1 000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																								Max. m		
		1.5 m				3 m				4.5 m				6 m				7.5 m				Max.						
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d			
4.5m mono boom 2m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	3.7	4.1*	4.1*	4.1*	-	-	-	-	-	-	-	-	-	-	3.1	3.4*	3.4*	3.4*	4.9
	4.5 m	-	-	-	-	-	-	-	-	3.6	4.1	4.3*	4.3*	-	-	-	-	-	-	-	-	-	-	2.3	2.6	3.2*	3.2*	5.9
	3 m	-	-	-	-	6.1	7.1	8.0*	8.0*	3.4	3.9	5.2*	5.2*	2.2	2.5	3.6	4.3*	-	-	-	-	-	-	2.0	2.3	3.3	3.3*	6.4
	1.5 m	-	-	-	-	-	-	-	-	3.2	3.6	5.5	6.1*	2.1	2.4	3.5	4.6*	-	-	-	-	-	-	1.9	2.1	3.1	3.6*	6.5
	0 m	-	-	-	-	5.4	6.4	7.1*	7.1*	3.0	3.5	5.3	6.5*	2.1	2.4	3.5	4.8*	-	-	-	-	-	-	2.0	2.2	3.3	4.2*	6.3
	-1.5 m	-	-	-	-	5.5	6.5	9.1*	9.1*	3.0	3.5	5.3	6.2*	-	-	-	-	-	-	-	-	-	-	2.3	2.6	3.9	4.7*	5.6
	-3 m	-	-	-	-	5.6	6.6	6.8*	6.8*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.4	3.9	4.6*	4.6*	4.3
4.5m mono boom 2.45m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	2.7*	2.7*	2.7*	5.5	
	4.5 m	-	-	-	-	-	-	-	-	3.6	3.9*	3.9*	3.9*	2.3	2.6	3.7*	3.7*	-	-	-	-	-	2.0	2.3	2.5*	2.5*	6.4	
	3 m	-	-	-	-	6.3	7.0*	7.0*	7.0*	3.4	3.9	4.8*	4.8*	2.2	2.5	3.6	4.0*	-	-	-	-	-	1.8	2.0	2.6*	2.6*	6.8	
	1.5 m	-	-	-	-	5.6	6.6	6.7*	6.7*	3.2	3.6	5.5	5.8*	2.1	2.4	3.5	4.4*	-	-	-	-	-	1.7	1.9	2.8*	2.8*	6.9	
	0 m	-	-	-	-	5.4	6.3	7.3*	7.3*	3.0	3.5	5.3	6.4*	2.0	2.3	3.4	4.7*	-	-	-	-	-	1.7	2.0	2.9	3.2*	6.7	
	-1.5 m	5.9*	5.9*	5.9*	5.9*	5.4	6.3	9.6*	9.6*	3.0	3.4	5.2	6.3*	2.0	2.3	3.4	4.4*	-	-	-	-	-	2.0	2.3	3.4	4.2*	6.1	
	-3 m	-	-	-	-	5.5	6.5	7.7*	7.7*	3.0	3.5	5.1*	5.1*	-	-	-	-	-	-	-	-	-	2.7	3.1	4.5*	4.5*	4.9	
4.5m mono boom 2.6m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.5*	2.5*	2.5*	2.5*	5.7	
	4.5 m	-	-	-	-	-	-	-	-	3.7	3.7*	3.7*	3.7*	2.3	2.6	3.6*	3.6*	-	-	-	-	-	2.0	2.2	2.4*	2.4*	6.5	
	3 m	-	-	-	-	6.3	6.7*	6.7*	6.7*	3.4	3.9	4.7*	4.7*	2.2	2.5	3.7	3.9*	-	-	-	-	-	1.7	2.0	2.4*	2.4*	7.0	
	1.5 m	-	-	-	-	5.6	6.6	7.6*	7.6*	3.2	3.7	5.5	5.7*	2.1	2.4	3.5	4.4*	-	-	-	-	-	1.6	1.9	2.6*	2.6*	7.1	
	0 m	-	-	-	-	5.4	6.3	7.3*	7.3*	3.0	3.5	5.3	6.4*	2.0	2.3	3.4	4.7*	-	-	-	-	-	1.7	1.9	2.8	3.0*	6.8	
	-1.5 m	5.6*	5.6*	5.6*	5.6*	5.3	6.3	9.7*	9.7*	3.0	3.4	5.2	6.4*	2.0	2.3	3.4	4.5*	-	-	-	-	-	1.9	2.2	3.2	3.8*	6.2	
	-3 m	-	-	-	-	5.5	6.4	8.0*	8.0*	3.0	3.5	5.3	5.3*	-	-	-	-	-	-	-	-	-	2.6	2.9	4.4	4.4*	5.1	
4.5m mono boom 3.1m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.5*	2.5*	2.5*	-	-	-	-	-	2.0*	2.0*	2.3*	2.0*	6.3	
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.6	3.2*	3.2*	-	-	-	-	-	1.7	1.9*	2.0*	1.9*	7.1	
	3 m	-	-	-	-	-	-	-	-	3.5	4.0	4.2*	4.2*	2.2	2.5	3.6*	3.6*	-	-	-	-	-	1.5	1.8	2.0*	1.9*	7.5	
	1.5 m	-	-	-	-	5.8	6.8	8.5*	8.5*	3.2	3.7	5.3*	5.3*	2.1	2.4	3.5	4.1*	1.5	1.7	2.3*	2.3*	1.5	1.7	1.9*	2.0*	7.6		
	0 m	2.5*	2.5*	2.5*	2.5*	5.3	6.3	7.7*	7.7*	3.0	3.5	5.3	6.2*	2.0	2.3	3.4	4.5*	-	-	-	-	-	1.5	1.7	1.7*	2.3*	7.3	
	-1.5 m	4.9*	4.9*	4.9*	4.9*	5.3	6.2	9.9*	9.9*	2.9	3.4	5.2	6.4*	1.9	2.2	3.4	4.6*	-	-	-	-	-	1.7	1.9	1.9	2.8*	6.8	
	-3 m	8.0*	8.0*	8.0*	8.0*	5.3	6.3	8.7*	8.7*	2.9	3.4	5.2	5.8*	-	-	-	-	-	-	-	-	-	2.1	2.4	1.5	4.1*	5.7	
4.5m mono boom 2.95m grab arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.9	3.2*	3.2*	-	-	-	-	-	2.5	2.8	3.2*	3.2*	6.0	
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.8	3.6*	3.6*	-	-	-	-	-	2.1	2.3	3.1*	3.1*	6.9	
	3 m	-	-	-	-	-	-	-	-	3.7	4.2	4.6*	4.6*	2.5	2.8	3.9	4.0*	-	-	-	-	-	1.8	2.1	2.9	3.1*	7.3	
	1.5 m	-	-	-	-	-	-	-	-	3.5	3.9	5.8*	5.8*	2.3	2.6	3.8	4.5*	-	-	-	-	-	1.8	2.0	2.8	3.4*	7.4	
	0 m	-	-	-	-	5.7	6.7	7.9*	7.9*	3.3	3.7	5.6	6.6*	2.3	2.6	3.7	4.9*	-	-	-	-	-	1.8	2.0	2.9	3.8*	7.1	
	-1.5 m	5.4*	5.4*	5.4*	5.4*	5.6	6.6	1.3*	1.3*	3.2	3.7	5.5	6.7*	2.2	2.5	3.6	4.9*	-	-	-	-	-	2.0	2.3	3.2	4.4*	6.6	
	-3 m	9.3*	9.3*	9.3*	9.3*	5.7	6.7	8.9*	8.9*	3.2	3.7	5.5	6.0*	-	-	-	-	-	-	-	-	-	2.5	2.9	4.1	4.6*	5.5	

Notes:



1. Working pressure with Power Boost = 36 MPa.

2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

At the arm end, without bucket and quick fit. Unit: 1 000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																								Max. m				
		1.5 m				3 m				4.5 m				6 m				7.5 m				Max.								
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d					
4.7m 2-piece boom 2m dipper arm Front dozer blade Rear outriggers	7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4*	4.4*	4.4*	4.4*	3.5
	6 m	-	-	-	-	-	-	-	-	3.9	4.1*	4.1*	4.1*	-	-	-	-	-	-	-	-	-	-	-	-	2.9	3.5*	3.5*	3.5*	5.3
	4.5 m	-	-	-	-	5.6*	5.6*	5.6*	5.6*	3.8	4.4*	4.4*	4.4*	2.4	4.0	3.8	4.0*	-	-	-	-	-	-	-	2.2	3.2*	3.2*	3.2*	6.2	
	3 m	-	-	-	-	-	-	-	-	3.5	5.3*	5.3*	5.3*	2.3	3.9	3.7	4.2*	-	-	-	-	-	-	-	1.9	3.2*	3.1	3.2*	6.7	
	1.5 m	-	-	-	-	-	-	-	-	3.2	5.8	5.5	6.1*	2.2	3.8	3.6	4.5*	-	-	-	-	-	-	-	1.8	3.1	3.0	3.4*	6.8	
	0 m	-	-	-	-	5.0*	5.0*	5.0*	5.0*	3.1	5.6	5.4	6.3*	2.1	3.7	3.5	4.6*	-	-	-	-	-	-	-	1.9	3.3	3.1	3.9*	6.5	
	-1.5 m	-	-	-	-	5.6	8.5*	8.5*	8.5*	3.1	5.6	5.4	5.9*	-	-	-	-	-	-	-	-	-	-	-	2.2	3.8	3.6	4.1*	5.9	
	-3 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7m 2-piece boom 2.45m dipper arm Front dozer blade Rear outriggers	7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3*	3.3*	3.3*	3.3*	4.3
	6 m	-	-	-	-	-	-	-	-	3.6*	3.6*	3.6*	3.6*	-	-	-	-	-	-	-	-	-	-	-	2.5	2.7*	2.7*	2.7*	5.8	
	4.5 m	-	-	-	-	-	-	-	-	3.8	4.0*	4.0*	4.0*	2.4	3.7*	3.7*	3.7*	-	-	-	-	-	-	-	2.0	2.5*	2.5*	2.5*	6.7	
	3 m	-	-	-	-	6.4	7.4*	7.4*	7.4*	3.5	4.9*	4.9*	4.9*	2.3	3.9	3.7	4.0*	-	-	-	-	-	-	-	1.7	2.6*	2.6*	2.6*	7.1	
	1.5 m	-	-	-	-	-	-	-	-	3.2	5.8	5.5	5.8*	2.2	3.7	3.6	4.4*	-	-	-	-	-	-	-	1.6	2.7*	2.7*	2.7*	7.2	
	0 m	-	-	-	-	5.4*	5.4*	5.4*	5.4*	3.1	5.6	5.3	6.3*	2.1	3.6	3.5	4.6*	-	-	-	-	-	-	-	1.7	2.9	2.8	3.0*	7.0	
	-1.5 m	-	-	-	-	5.5	9.0*	9.0*	9.0*	3.0	5.5	5.3	6.1*	2.0	3.6	3.5	4.3*	-	-	-	-	-	-	-	1.9	3.3	3.2	3.7*	6.4	
	-3 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7m 2-piece boom 2.6m dipper arm Front dozer blade Rear outriggers	7.5 m	-	-	-	-	-	-	-	-	3.1*	3.1*	3.1*	3.1*	-	-	-	-	-	-	-	-	-	-	-	-	3.0*	3.0*	3.0*	3.0*	4.5
	6 m	-	-	-	-	-	-	-	-	3.5*	3.5*	3.5*	3.5*	2.4	2.6*	2.6*	2.6*	-	-	-	-	-	-	-	2.4	2.5*	2.5*	2.5*	6.0	
	4.5 m	-	-	-	-	-	-	-	-	3.8	3.9*	3.9*	3.9*	2.4	3.6*	3.6*	3.6*	-	-	-	-	-	-	-	1.9	2.4*	2.4*	2.4*	6.8	
	3 m	-	-	-	-	6.5	7.1*	7.1*	7.1*	3.6	4.8*	4.8*	4.8*	2.3	3.9	3.7	3.9*	-	-	-	-	-	-	-	1.7	2.4*	2.4*	2.4*	7.3	
	1.5 m	-	-	-	-	-	-	-	-	3.3	5.7*	5.6	5.7*	2.2	3.8	3.6	4.3*	-	-	-	-	-	-	-	1.6	2.5*	2.5*	2.5*	7.4	
	0 m	-	-	-	-	5.5	5.5*	5.5*	5.5*	3.1	5.6	5.3	6.2*	2.1	3.6	3.5	4.5*	-	-	-	-	-	-	-	1.6	2.8*	2.7	2.8*	7.1	
	-1.5 m	-	-	-	-	5.4	9.0*	9.0*	9.0*	3.0	5.5	5.3	6.1*	2.0	3.6	3.5	4.4*	-	-	-	-	-	-	-	1.8	3.2	3.1	3.4*	6.5	
	-3 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7m 2-piece boom 3.1m dipper arm Front dozer blade Rear outriggers	7.5 m	-	-	-	-	-	-	-	-	3.2*	3.2*	3.2*	3.2*	-	-	-	-	-	-	-	-	-	-	-	-	2.3*	2.3*	2.3*	2.3*	5.3
	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	3.0*	3.0*	3.0*	-	-	-	-	-	-	-	2.0*	2.0*	2.3*	2.0*	6.6	
	4.5 m	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	2.4	3.2*	3.2*	3.2*	-	-	-	-	-	-	-	1.7	1.9*	2.0*	1.9*	7.4	
	3 m	-	-	-	-	6.0*	6.0*	6.0*	6.0*	3.6	4.3*	4.3*	4.3*	2.3	3.6*	3.6*	3.6*	1.6	2.7*	2.6	2.7*	1.5	1.9*	2.0*	1.9*	1.9*	2.0*	1.9*	7.8	
	1.5 m	-	-	-	-	5.9	7.3*	7.3*	7.3*	3.3	5.4*	5.4*	5.4*	2.2	3.8	3.6	4.1*	1.5	2.7	2.6	3.2*	1.4	2.0*	1.9*	2.0*	1.9*	2.0*	1.9*	7.8	
	0 m	-	-	-	-	5.4	5.8*	5.8*	5.8*	3.1	5.6	5.3	6.1*	2.0	3.6	3.5	4.4*	1.5	2.6	2.5	2.8*	1.4	2.2*	1.7*	2.2*	1.7*	2.2*	1.7*	7.6	
	-1.5 m	-	-	-	-	5.3	8.1*	8.1*	8.1*	2.9	5.5	5.2	6.2*	2.0	3.6	3.4	4.4*	-	-	-	-	-	-	-	1.6	2.6*	1.9*	2.6*	7.1	
	-3 m	-	-	-	-	5.4	8.2*	8.2*	8.2*	3.0	5.5*	5.2	5.5*	2.0	3.6	3.4	3.7*	-	-	-	-	-	-	-	2.0	3.6	1.5	3.6*	6.0	
4.7m 2-piece boom 2.95m grab arm Front dozer blade Rear outriggers	7.5 m	-	-	-	-	-	-	-	-	3.6*	3.6*	3.6*	3.6*	-	-	-	-	-	-	-	-	-	-	-	-	3.5	3.6*	3.6*	3.6*	5.0
	6 m	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	2.7	3.5*	3.5*	3.5*	-	-	-	-	-	-	-	2.4	3.2*	3.2*	3.2*	6.4	
	4.5 m	-	-	-	-	-	-	-	-	3.8*	3.8*	3.8*	3.8*	2.7	3.6*	3.6*	3.6*	-	-	-	-	-	-	-	2.0	3.1*	3.1*	3.1*	7.2	
	3 m	-	-	-	-	-	-	-	-	3.9	4.8*	4.8*	4.8*	2.5	4.0*	4.0*	4.0*	1.8	2.9	2.8	3.4*	1.8	2.9	2.8	3.1*	1.8	2.9	2.8	3.1*	7.6
	1.5 m	-	-	-	-	-	-	-	-	3.6	5.8*	5.8*	5.8*	2.4	4.0	3.8	4.4*	1.8	2.9	2.8	3.8*	1.7	2.8	2.7	3.3*	1.7	2.8	2.7	3.3*	7.7
	0 m	-	-	-	-	-	-	-	-	3.3	5.9	5.6	6.5*	2.3	3.9	3.7	4.8*	-	-	-	-	-	-	-	1.7	2.9	2.8	3.6*	7.4	
	-1.5 m	-	-	-	-	5.7	8.9*	8.9*	8.9*	3.3	5.8	5.5	6.5*	2.3	3.8	3.7	4.7*	-	-	-	-	-	-	-	1.9	3.2	3.1	3.9*	6.9	
	-3 m	-	-	-	-	-	-	-	-	3.3	5.7*	5.6	5.7*	-	-	-	-	-	-	-	-	-	-	-	-	2.4	4.1	3.9	4.2*	5.7



Notes:

- Working pressure with Power Boost = 36 MPa.
- The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.
- Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

LIFTING CAPACITY.

At the arm end, without bucket and quick fit. Unit: 1 000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																											
		1.5 m		3 m				4.5 m				6 m				7.5 m				Max.				Max. m					
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d		u	d			
4.7m 2-piece boom 2m dipper arm Blade rear	7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4*	4.4*	4.4*	4.4*	3.5
	6 m	-	-	-	-	-	-	-	-	3.7	4.1*	4.1*	4.1*	-	-	-	-	-	-	-	-	-	-	-	2.8	3.1	3.5*	3.5*	5.3
	4.5 m	-	-	-	-	5.6*	5.6*	5.6*	5.6*	3.6	4.0	4.4*	4.4*	2.2	2.5	3.7	4.0*	-	-	-	-	-	-	-	2.1	2.3	3.2*	3.2*	6.2
	3 m	-	-	-	-	-	-	-	-	3.3	3.7	5.3*	5.3*	2.1	2.4	3.6	4.2*	-	-	-	-	-	-	-	1.8	2.0	3.0	3.2*	6.7
	1.5 m	-	-	-	-	-	-	-	-	3.0	3.5	5.3	6.1*	2.0	2.3	3.5	4.5*	-	-	-	-	-	-	-	1.7	1.9	2.9	3.4*	6.8
	0 m	-	-	-	-	5.0*	5.0*	5.0*	5.0*	2.9	3.3	5.2	6.3*	2.0	2.2	3.4	4.6*	-	-	-	-	-	-	-	1.8	2.0	3.0	3.9*	6.5
	-1.5 m	-	-	-	-	5.2	6.1	8.5*	8.5*	2.9	3.3	5.2	5.9*	-	-	-	-	-	-	-	-	-	-	-	2.0	2.3	3.5	4.1*	5.9
	-3 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7m 2-piece boom 2.45m dipper arm Blade rear	7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3*	3.3*	3.3*	3.3*	4.3
	6 m	-	-	-	-	-	-	-	-	3.6*	3.6*	3.6*	3.6*	-	-	-	-	-	-	-	-	-	-	-	2.4	2.7	2.7*	2.7*	5.8
	4.5 m	-	-	-	-	-	-	-	-	3.6	4.0*	4.0*	4.0*	2.3	2.5	3.7*	3.7*	-	-	-	-	-	-	-	1.8	2.1	2.5*	2.5*	6.7
	3 m	-	-	-	-	6.1	7.0	7.4*	7.4*	3.3	3.8	4.9*	4.9*	2.1	2.4	3.6	4.0*	-	-	-	-	-	-	-	1.6	1.8	2.6*	2.6*	7.1
	1.5 m	-	-	-	-	-	-	-	-	3.0	3.5	5.4	5.8*	2.0	2.3	3.5	4.4*	-	-	-	-	-	-	-	1.5	1.7	2.6	2.7*	7.2
	0 m	-	-	-	-	5.1	5.4*	5.4*	5.4*	2.9	3.3	5.2	6.3*	1.9	2.2	3.4	4.6*	-	-	-	-	-	-	-	1.6	1.8	2.7	3.0*	7.0
	-1.5 m	-	-	-	-	5.1	6.0	9.0*	9.0*	2.8	3.2	5.1	6.1*	1.9	2.2	3.3	4.3*	-	-	-	-	-	-	-	1.8	2.0	3.1	3.7*	6.4
	-3 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7m 2-piece boom 2.6m dipper arm Blade rear	7.5 m	-	-	-	-	-	-	-	-	3.1*	3.1*	3.1*	3.1*	-	-	-	-	-	-	-	-	-	-	-	3.0*	3.0*	3.0*	3.0*	4.5
	6 m	-	-	-	-	-	-	-	-	3.5*	3.5*	3.5*	3.5*	2.3	2.6	2.6*	2.6*	-	-	-	-	-	-	-	2.3	2.5*	2.5*	2.5*	6.0
	4.5 m	-	-	-	-	-	-	-	-	3.6	3.9*	3.9*	3.9*	2.3	2.5	3.6*	3.6*	-	-	-	-	-	-	-	1.8	2.0	2.4*	2.4*	6.8
	3 m	-	-	-	-	6.2	7.1*	7.1*	7.1*	3.4	3.8	4.8*	4.8*	2.2	2.4	3.6	3.9*	-	-	-	-	-	-	-	1.6	1.8	2.4*	2.4*	7.3
	1.5 m	-	-	-	-	-	-	-	-	3.1	3.5	5.4	5.7*	2.0	2.3	3.5	4.3*	-	-	-	-	-	-	-	1.5	1.7	2.5*	2.5*	7.4
	0 m	-	-	-	-	5.1	5.5*	5.5*	5.5*	2.9	3.3	5.2	6.2*	1.9	2.2	3.4	4.5*	-	-	-	-	-	-	-	1.5	1.7	2.6	2.8*	7.1
	-1.5 m	-	-	-	-	5.1	6.0	9.0*	9.0*	2.8	3.2	5.1	6.1*	1.9	2.2	3.3	4.4*	-	-	-	-	-	-	-	1.7	1.9	3.0	3.4*	6.5
	-3 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7m 2-piece boom 3.1m dipper arm Blade rear	7.5 m	-	-	-	-	-	-	-	-	3.2*	3.2*	3.2*	3.2*	-	-	-	-	-	-	-	-	-	-	-	2.3*	2.3*	2.3*	2.3*	5.3
	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.6	3.0*	3.0*	-	-	-	-	-	-	-	1.9	2.0*	2.3*	2.0*	6.6
	4.5 m	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	2.3	2.6	3.2*	3.2*	-	-	-	-	-	-	-	1.6	1.8	2.0*	1.9*	7.4
	3 m	-	-	-	-	6.0*	6.0*	6.0*	6.0*	3.4	3.9	4.3*	4.3*	2.2	2.5	3.6*	3.6*	1.5	1.7	2.5	2.7*	1.4	1.6	1.9*	1.9*	1.9*	1.9*	7.8	
	1.5 m	-	-	-	-	5.5	6.4	7.3*	7.3*	3.1	3.5	5.4*	5.4*	2.0	2.3	3.5	4.1*	1.4	1.6	2.5	3.2*	1.3	1.5	1.9*	1.5	1.9*	2.0*	7.8	
	0 m	-	-	-	-	5.1	5.8*	5.8*	5.8*	2.9	3.3	5.2	6.1*	1.9	2.2	3.3	4.4*	1.4	1.6	2.4	2.8*	1.3	1.5	1.6*	1.6*	2.2*	2.2*	7.6	
	-1.5 m	-	-	-	-	5.0	5.9	8.1*	8.1*	2.7	3.2	5.0	6.2*	1.8	2.1	3.3	4.4*	-	-	-	-	-	-	-	1.5	1.7	1.9	2.6*	7.1
	-3 m	-	-	-	-	5.1	6.0	8.2*	8.2*	2.8	3.2	5.1	5.5*	1.9	2.2	3.3	3.7*	-	-	-	-	-	-	-	1.9	2.1	1.4	3.6*	6.0
4.7m 2-piece boom 2.95m Grab arm Blade rear	7.5 m	-	-	-	-	-	-	-	-	3.6*	3.6*	3.6*	3.6*	-	-	-	-	-	-	-	-	-	-	-	3.3	3.6*	3.6*	3.6*	5.0
	6 m	-	-	-	-	-	-	-	-	3.4*	3.4*	3.4*	3.4*	2.5	2.8	3.5*	3.5*	-	-	-	-	-	-	-	2.3	2.5	3.2*	3.2*	6.4
	4.5 m	-	-	-	-	-	-	-	-	3.8*	3.8*	3.8*	3.8*	2.5	2.8	3.6*	3.6*	-	-	-	-	-	-	-	1.9	2.1	3.0	3.1*	7.2
	3 m	-	-	-	-	-	-	-	-	3.7	4.1	4.8*	4.8*	2.4	2.7	3.9	4.0*	1.7	1.9	2.7	3.4*	1.7	1.9	2.7	1.7	1.9	2.7	3.1*	7.6
	1.5 m	-	-	-	-	-	-	-	-	3.4	3.8	5.7	5.8*	2.3	2.5	3.7	4.4*	1.7	1.8	2.7	3.8*	1.6	1.8	2.7	1.6	1.8	2.6	3.3*	7.7
	0 m	-	-	-	-	-	-	-	-	3.1	3.6	5.4	6.5*	2.2	2.4	3.6	4.8*	-	-	-	-	-	-	-	1.6	1.8	2.7	3.6*	7.4
	-1.5 m	-	-	-	-	5.4	6.3	8.9*	8.9*	3.1	3.5	5.3	6.5*	2.1	2.4	3.5	4.7*	-	-	-	-	-	-	-	1.8	2.0	3.0	3.9*	6.9
	-3 m	-	-	-	-	-	-	-	-	3.1	3.5	5.4	5.7*	-	-	-	-	-	-	-	-	-	-	-	2.3	2.6	3.8	4.2*	5.7

Notes:



1. Working pressure with Power Boost = 36 MPa.

2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

At the arm end, without bucket and quick fit. Unit: 1 000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																								Max. m
		1.5 m				3 m				4.5 m				6 m				7.5 m				Max.				
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	
4.75m mono offset boom 2m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	3.7	3.7*	3.7*	3.7*	-	-	-	-	-	-	-	-	2.8	3.2	3.3*	3.3*	5.2
	4.5 m	-	-	-	-	-	-	-	-	3.5	4.0	4.1*	4.1*	2.2	2.5	3.7	3.7*	-	-	-	-	2.1	2.4	3.2*	3.2*	6.2
	3 m	-	-	-	-	-	-	-	-	3.2	3.7	5.0*	5.0*	2.1	2.4	3.5	4.0*	-	-	-	-	1.8	2.0	3.0	3.3*	6.6
	1.5 m	-	-	-	-	-	-	-	-	2.9	3.4	5.2	5.8*	1.9	2.3	3.4	4.3*	-	-	-	-	1.6	1.9	2.9	3.6*	6.7
	0 m	-	-	-	-	4.9	5.9	5.9*	5.9*	2.7	3.2	5.0	6.2*	1.9	2.2	3.3	4.5*	-	-	-	-	1.7	1.9	3.0	4.1*	6.5
	-1.5 m	-	-	-	-	4.9	5.9	8.5*	8.5*	2.7	3.2	5.0	5.9*	-	-	-	-	-	-	-	-	1.9	2.2	3.4	4.3*	5.8
	-3 m	-	-	-	-	5.1	6.1	6.7*	6.7*	2.8	3.3	4.5*	4.5*	-	-	-	-	-	-	-	-	2.8	3.2	4.4*	4.4*	4.6
4.75m mono offset boom 2.45m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	2.6*	2.6*	2.6*	5.7
	4.5 m	-	-	-	-	-	-	-	-	3.6	3.7*	3.7*	3.7*	2.2	2.5	3.4*	3.4*	-	-	-	-	1.8	2.1	2.5*	2.5*	6.6
	3 m	-	-	-	-	6.0	7.0*	7.0*	7.0*	3.3	3.8	4.6*	4.6*	2.1	2.4	3.6	3.7*	-	-	-	-	1.6	1.8	2.6*	2.6*	7.0
	1.5 m	-	-	-	-	4.9*	4.9*	4.9*	4.9*	2.9	3.4	5.3	5.5*	1.9	2.2	3.4	4.1*	-	-	-	-	1.5	1.7	2.6	2.8*	7.1
	0 m	-	-	-	-	4.8	5.8	6.2*	6.2*	2.7	3.2	5.0	6.0*	1.8	2.1	3.3	4.4*	-	-	-	-	1.5	1.7	2.7	3.3*	6.9
	-1.5 m	5.6*	5.6*	5.6*	5.6*	4.8	5.8	8.9*	8.9*	2.6	3.1	4.9	6.0*	1.8	2.1	3.2	4.3*	-	-	-	-	1.7	2.0	3.0	4.0*	6.3
	-3 m	-	-	-	-	5.0	5.9	7.4*	7.4*	2.7	3.2	5.0	5.1*	-	-	-	-	-	-	-	-	2.3	2.6	4.1	4.2*	5.2
4.75m mono offset boom 2.6m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.4*	2.4*	2.4*	5.9
	4.5 m	-	-	-	-	-	-	-	-	3.6*	3.6*	3.6*	3.6*	2.2	2.6	3.3*	3.3*	-	-	-	-	1.8	2.1	2.3*	2.3*	6.7
	3 m	-	-	-	-	6.1	6.7*	6.7*	6.7*	3.3	3.8	4.5*	4.5*	2.1	2.4	3.6	3.7*	-	-	-	-	1.5	1.8	2.4*	2.4*	7.2
	1.5 m	-	-	-	-	5.1	5.6*	5.6*	5.6*	3.0	3.4	5.3	5.4*	1.9	2.3	3.4	4.1*	-	-	-	-	1.4	1.7	2.5	2.6*	7.3
	0 m	-	-	-	-	4.8	5.8	6.3*	6.3*	2.7	3.2	5.0	6.0*	1.8	2.1	3.3	4.4*	-	-	-	-	1.4	1.7	2.6	3.1*	7.0
	-1.5 m	5.4*	5.4*	5.4*	5.4*	4.8	5.8	9.1*	9.1*	2.6	3.1	4.9	6.0*	1.8	2.1	3.2	4.3*	-	-	-	-	1.6	1.9	2.9	3.9*	6.4
	-3 m	-	-	-	-	4.9	5.9	7.7*	7.7*	2.7	3.2	5.0	5.2*	-	-	-	-	-	-	-	-	2.1	2.5	3.9	4.1*	5.4
4.75m mono offset boom 3.1m dipper arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.3	2.7*	2.7*	2.7*	-	-	-	-	1.9*	1.9*	1.9*	1.9*	6.5
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.3	3.0*	3.0*	3.0*	-	-	-	-	1.6	1.9*	1.9*	1.9*	7.2
	3 m	-	-	-	-	5.6*	5.6*	5.6*	5.6*	3.4	4.0*	4.0*	4.0*	2.1	3.4*	3.4*	3.4*	1.4	2.4*	2.4*	2.4*	1.4	1.9*	1.9*	1.9*	7.6
	1.5 m	-	-	-	-	5.3	8.3*	8.3*	8.3*	3.0	5.1*	5.1*	5.1*	2.0	3.7	3.4	3.9*	1.3	2.6	2.4	2.9*	1.3	2.1*	1.6*	2.1*	7.7
	0 m	-	-	-	-	4.8	6.6*	6.6*	6.6*	2.7	5.5	5.0	5.8*	1.8	3.6	3.3	4.2*	1.3	2.4*	2.3	2.4*	1.3	2.4*	1.9	2.4*	7.5
	-1.5 m	4.7*	4.7*	4.7*	4.7*	4.7	8.7*	8.7*	8.7*	2.6	5.4	4.9	6.0*	1.7	3.5	3.2	4.3*	-	-	-	-	1.4	2.8	1.4	2.9*	7.0
	-3 m	7.5*	7.5*	7.5*	7.5*	4.8	8.3*	8.3*	8.3*	2.6	5.4	4.9	5.5*	-	-	-	-	-	-	-	-	1.8	3.5	2.1	3.8*	6.0
4.75m mono offset boom 2.95m grab arm Blade rear	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.9	3.2*	3.2*	-	-	-	-	2.4	2.7	3.1*	3.1*	6.2
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.8	3.3*	3.3*	-	-	-	-	1.9	2.1	3.1	3.1*	7.0
	3 m	-	-	-	-	-	-	-	-	3.6	4.1	4.5*	4.5*	2.4	2.7	3.7*	3.7*	-	-	-	-	1.7	1.9	2.7	3.2*	7.4
	1.5 m	-	-	-	-	-	-	-	-	3.3	3.7	5.5*	5.5*	2.2	2.5	3.7	4.2*	1.6	1.8	2.6	3.6*	1.6	1.8	2.6	3.4*	7.5
	0 m	-	-	-	-	5.2	6.2	6.8*	6.8*	3.0	3.5	5.3	6.2*	2.1	2.4	3.5	4.6*	-	-	-	-	1.6	1.8	2.7	3.8*	7.3
	-1.5 m	5.2*	5.2*	5.2*	5.2*	5.1	6.1	9.6*	9.6*	2.9	3.4	5.2	6.3*	2.0	2.3	3.4	4.6*	-	-	-	-	1.7	2.0	2.9	4.0*	6.7
	-3 m	8.7*	8.7*	8.7*	8.7*	5.2	6.1	8.5*	8.5*	2.9	3.4	5.2	5.8*	-	-	-	-	-	-	-	-	2.1	2.5	3.7	4.3*	5.7



Notes:

- Working pressure with Power Boost = 36 MPa.
- The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.
- Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.

LIFTING CAPACITY.

At the arm end, without bucket and quick fit. Unit: 1 000 kg.

For lifting capacity including bucket/quick fit, simply subtract actual weight of those parts from the following values. With heavy counterweight.

 Across under-carriage  Along under-carriage	Arm end (bucket pivot) related to ground level	Reach from machine centre (u = support up/d = support down)																								Max. m		
		1.5 m				3 m				4.5 m				6 m				7.5 m				Max.						
		u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d	u	d			
4.75m mono offset boom 2m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	3.7*	3.7*	3.7*	3.7*	-	-	-	-	-	-	-	-	-	-	3.0	3.3*	3.3*	3.3*	5.2
	4.5 m	-	-	-	-	-	-	-	-	3.7	4.1*	4.1*	4.1*	2.3	3.7*	3.7*	3.7*	-	-	-	-	-	2.2	3.2*	3.2*	3.2*	6.2	
	3 m	-	-	-	-	-	-	-	-	3.4	5.0*	5.0*	5.0*	2.2	3.9	3.7	4.0*	-	-	-	-	-	1.9	3.3	3.1	3.3*	6.6	
	1.5 m	-	-	-	-	-	-	-	-	3.1	5.7	5.4	5.8*	2.1	3.7	3.5	4.3*	-	-	-	-	-	1.8	3.1	3.0	3.6*	6.7	
	0 m	-	-	-	-	5.2	5.9*	5.9*	5.9*	2.9	5.5	5.2	6.2*	2.0	3.6	3.4	4.5*	-	-	-	-	-	1.8	3.2	3.1	4.1*	6.5	
	-1.5 m	-	-	-	-	5.3	8.5*	8.5*	8.5*	2.9	5.5	5.2	5.9*	-	-	-	-	-	-	-	-	-	2.1	3.8	3.6	4.3*	5.8	
	-3 m	-	-	-	-	5.5	6.7*	6.7*	6.7*	3.0	4.5*	4.5*	4.5*	-	-	-	-	-	-	-	-	-	3.0	4.4*	4.4*	4.4*	4.6	
4.75m mono offset boom 2.45m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	2.6*	2.6*	2.6*	5.7	
	4.5 m	-	-	-	-	-	-	-	-	3.7*	3.7*	3.7*	3.7*	2.4	3.4*	3.4*	3.4*	-	-	-	-	-	2.0	2.5*	2.5*	2.5*	6.6	
	3 m	-	-	-	-	6.3	7.0*	7.0*	7.0*	3.5	4.6*	4.6*	4.6*	2.2	3.7*	3.7	3.7*	-	-	-	-	-	1.7	2.6*	2.6*	2.6*	7.0	
	1.5 m	-	-	-	-	4.9*	4.9*	4.9*	4.9*	3.1	5.5*	5.4	5.5*	2.1	3.7	3.5	4.1*	-	-	-	-	-	1.6	2.8	2.7	2.8*	7.1	
	0 m	-	-	-	-	5.2	6.2*	6.2*	6.2*	2.9	5.5	5.2	6.0*	2.0	3.6	3.4	4.4*	-	-	-	-	-	1.6	2.9	2.8	3.3*	6.9	
	-1.5 m	5.6*	5.6*	5.6*	5.6*	5.2	8.9*	8.9*	8.9*	2.8	5.4	5.1	6.0*	1.9	3.5	3.3	4.3*	-	-	-	-	-	1.8	3.3	3.1	4.0*	6.3	
	-3 m	-	-	-	-	5.3	7.4*	7.4*	7.4*	2.9	5.1*	5.1*	5.1*	-	-	-	-	-	-	-	-	-	2.4	4.2*	4.2*	4.2*	5.2	
4.75m mono offset boom 2.6m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4*	2.4*	2.4*	2.4*	5.9	
	4.5 m	-	-	-	-	-	-	-	-	3.6*	3.6*	3.6*	3.6*	2.4	3.3*	3.3*	3.3*	-	-	-	-	-	1.9	2.3*	2.3*	2.3*	6.7	
	3 m	-	-	-	-	6.5	6.7*	6.7*	6.7*	3.5	4.5*	4.5*	4.5*	2.2	3.7*	3.7*	3.7*	-	-	-	-	-	1.6	2.4*	2.4*	2.4*	7.2	
	1.5 m	-	-	-	-	5.5	5.6*	5.6*	5.6*	3.2	5.4*	5.4*	5.4*	2.1	3.7	3.5	4.1*	-	-	-	-	-	1.5	2.6*	2.6	2.6*	7.3	
	0 m	-	-	-	-	5.2	6.3*	6.3*	6.3*	2.9	5.5	5.2	6.0*	2.0	3.6	3.4	4.4*	-	-	-	-	-	1.6	2.8	2.7	3.1*	7.0	
	-1.5 m	5.4*	5.4*	5.4*	5.4*	5.1	9.1*	9.1*	9.1*	2.8	5.4	5.1	6.0*	1.9	3.5	3.3	4.3*	-	-	-	-	-	1.7	3.2	3.0	3.9*	6.4	
	-3 m	-	-	-	-	5.3	7.7*	7.7*	7.7*	2.9	5.2*	5.2	5.2*	-	-	-	-	-	-	-	-	-	2.3	4.1*	4.0	4.1*	5.4	
4.75m mono offset boom 3.1m dipper arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.5	2.7*	2.7*	2.7*	-	-	-	-	-	1.9*	1.9*	1.9*	1.9*	6.5	
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.4	3.0*	3.0*	3.0*	-	-	-	-	-	1.7	1.9*	1.9*	1.9*	7.2	
	3 m	-	-	-	-	5.6*	5.6*	5.6*	5.6*	3.6	4.0*	4.0*	4.0*	2.3	3.4*	3.4*	3.4*	1.5	2.4*	2.4*	2.4*	1.5	1.9*	1.9*	1.9*	7.6		
	1.5 m	-	-	-	-	5.7	8.3*	8.3*	8.3*	3.2	5.1*	5.1*	5.1*	2.1	3.7	3.5	3.9*	1.5	2.6	2.5	2.9*	1.4	2.1*	1.7*	2.1*	7.7		
	0 m	-	-	-	-	5.2	6.6*	6.6*	6.6*	2.9	5.5	5.2	5.8*	1.9	3.6	3.4	4.2*	1.4	2.4*	2.4	2.4*	1.4	2.4*	1.9*	2.4*	7.5		
	-1.5 m	4.7*	4.7*	4.7*	4.7*	5.0	8.7*	8.7*	8.7*	2.8	5.4	5.0	6.0*	1.9	3.5	3.3	4.3*	-	-	-	-	-	1.5	2.8	1.5	2.9*	7.0	
	-3 m	7.5*	7.5*	7.5*	7.5*	5.1	8.3*	8.3*	8.3*	2.8	5.4	5.1	5.5*	-	-	-	-	-	-	-	-	-	1.9	3.5	2.1	3.8*	6.0	
4.75m mono offset boom 2.95m grab arm Front dozer blade Rear outriggers	6 m	-	-	-	-	-	-	-	-	-	-	-	-	2.7	3.2*	3.2*	3.2*	-	-	-	-	-	2.5	3.1*	3.1*	3.1*	6.2	
	4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	2.6	3.3*	3.3*	3.3*	-	-	-	-	-	2.0	3.1*	3.1*	3.1*	7.0	
	3 m	-	-	-	-	-	-	-	-	3.8	4.5*	4.5*	4.5*	2.5	3.7*	3.7*	3.7*	-	-	-	-	-	1.8	3.0	2.8	3.2*	7.4	
	1.5 m	-	-	-	-	-	-	-	-	3.5	5.5*	5.5*	5.5*	2.3	4.0	3.8	4.2*	1.7	2.9	2.7	3.6*	1.7	2.8	2.7	3.4*	7.5		
	0 m	-	-	-	-	5.5	6.8*	6.8*	6.8*	3.2	5.8	5.5	6.2*	2.2	3.8	3.6	4.6*	-	-	-	-	-	1.7	2.9	2.8	3.8*	7.3	
	-1.5 m	5.2*	5.2*	5.2*	5.2*	5.4	9.6*	9.6*	9.6*	3.1	5.7	5.4	6.3*	2.1	3.8	3.6	4.6*	-	-	-	-	-	1.8	3.2	3.0	4.0*	6.7	
	-3 m	8.7*	8.7*	8.7*	8.7*	5.5	8.5*	8.5*	8.5*	3.1	5.7	5.4	5.8*	-	-	-	-	-	-	-	-	-	2.3	4.0	3.8	4.3*	5.7	

Notes:

1. Working pressure with Power Boost = 36 MPa.

2. The above values are in compliance with ISO standard 10 567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

3. Load capacities marked with an asterisk (*) are limited by machine's hydraulic lifting capacity rather than tipping load.



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