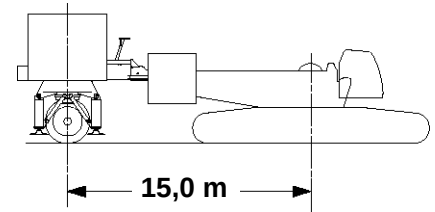


Liftcrane Boom Capacities

Boom No. 58 HL with 30,0 m Mast No. 59A
150 590 kg Crane Counterweight
54 430 kg Carbody Counterweight
0 kg thru 231 970 kg Wheeled Counterweight
at 15,0 m Position
360 Degree Rating

16000 MAX-ER



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4,0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (*).

Wheeled counterweight must be attached to machine and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to Operator's Manual for wheel positioning. Exit MAX-ER mode before operating without wheeled counterweight.

Standard upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with mast up. Refer to boom rigging **No. A14546**, Wire Rope Specification chart **No. 8745-A** and Counterweight Arrangement chart **No. 8682-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.



WIND CONDITIONS: Machine may operate with full working load in wind speeds up to the maximum wind speed value provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind speed to be measured at boom point elevation. Refer to Wind Conditions Chart **No. 8688-A** for effect of wind on lifted load, additional maximum wind speeds when lifting percentage of full working load, and instructions for parking when wind speed exceeds maximum operating wind speed.

MACHINE TRAVEL: Machine to travel on a firm, level [up to 1 percent (0,5 degrees) grade] and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0,4 m/s. Boom must be within boom angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8748-A**.

MAX PERMISSIBLE SLEWING SPEED: Slewing operation with working load shall not exceed 0,4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2,5 seconds.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.



MACHINE EQUIPMENT: Machine equipped with MAX-ER, 10 363 mm crawlers, 1 524 mm treads, 9 754 mm live mast, 30,0 m mast, 12 part boom hoist reeving, boom support straps, 150 590 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights and wheeled counterweight as specified.

WARNING: Check amount of crane counterweight and wheeled counterweight on machine before use of this chart. Refer to Operator's Manual for counterweight identification.

Boom Catwalks Deduct

Deduct 550 kg from capacities when boom catwalks are attached.

Maximum Boom Length Lifted Unassisted	
Over End of Blocked Crawlers	Over Side or End of Unblocked Crawlers
With 0 kg Wheeled Counterweight	
90,0 m	84,0 m
With 72 300 kg Wheeled Counterweight	
120,0 m	114,0 m
Over Side or End of Unblocked Crawlers	
With 152 130 kg Wheeled Counterweight	With 231 970 kg Wheeled Counterweight
120,0 m	120,0 m
Load block, hook and weight ball on ground at start.	

Explanation of Symbols

58 HL  Boom No. 58 Heavy Lift Top

 Crane Counterweight
+
Carbody Counterweight

 360° 360 Degree Rating

 Wheeled Counterweight
Position From Axis of
Rotation

Explanation of Symbols

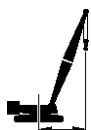
(continued)



Boom Length



Maximum Wind Speed
(see page 1)



Operating Radius
(see page 1)



Boom Angle
(see page 1)



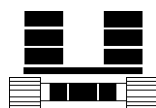
Boom Point Elevation
(see page 1)



Wheeled Counterweight



Lifting Capacities
(see page 1)



150 590 kg
+
54 430 kg



360°



15,0 m



42,0 m

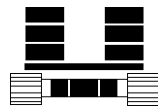


11 m/s

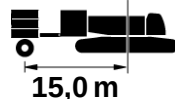
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
7,9	82,8	44,2	319 800	379 800 *	379 800 *	379 800 *	7,9
8,0	82,7	44,2	316 600	379 800 *	379 800 *	379 800 *	8,0
9,0	81,3	44,0	276 400	372 800 *	379 800 *	379 800 *	9,0
10,0	80,0	43,8	245 000	339 600 *	379 800 *	379 800 *	10,0
11,0	78,6	43,6	219 600	309 100 *	379 100 *	379 800 *	11,0
12,0	77,2	43,4	198 700	283 400 *	351 600 *	379 800 *	12,0
14,0	74,3	42,8	166 200	242 500 *	301 100 *	361 900 *	14,0
16,0	71,4	42,1	142 200	211 200 *	262 900 *	314 200 *	16,0
18,0	68,5	41,3	123 800	185 600 *	233 100 *	278 900 *	18,0
20,0	65,5	40,4	107 800	164 800 *	209 000 *	250 400 *	20,0
22,0	62,4	39,4	93 900	147 800 *	189 000 *	226 800 *	22,0
24,0	59,3	38,2	82 900	133 800 *	172 400 *	207 100 *	24,0
26,0	56,0	36,8	73 800	121 900	158 200 *	190 300 *	26,0
28,0	52,5	35,3	66 200	111 300	145 900 *	175 900 *	28,0
30,0	48,9	33,6	59 700	101 200	134 900 *	163 300 *	30,0
32,0	45,1	31,6	54 200	92 800	125 200 *	152 300 *	32,0
34,0	41,0	29,3	49 300	85 400	116 700 *	142 500 *	34,0
36,0	36,5	26,7	45 100	78 900	109 100 *	133 800 *	36,0
38,0	31,4	23,5	41 300	73 200	102 300 *	126 000 *	38,0
40,0	25,3	19,6	37 900	68 000	96 200 *	118 900 *	40,0

16000 MAX-ER

EN 13000



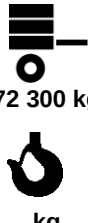
150 590 kg
+
54 430 kg

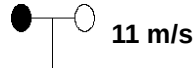
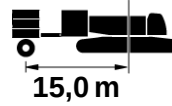


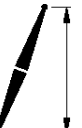
48,0 m



11 m/s

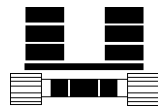
 m	 °	 m	 0 kg kg	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
8,5	83,0	50,2	278 000	340 000 *	340 000 *	340 000 *	8,5
9,0	82,4	50,1	262 500	340 000 *	340 000 *	340 000 *	9,0
10,0	81,2	49,9	233 500	334 900 *	340 000 *	340 000 *	10,0
11,0	80,0	49,7	210 100	308 600 *	340 000 *	340 000 *	11,0
12,0	78,8	49,5	190 700	282 900 *	340 000 *	340 000 *	12,0
14,0	76,3	49,0	160 200	242 000 *	301 000 *	338 100 *	14,0
16,0	73,8	48,5	137 500	210 800 *	262 400 *	317 100 *	16,0
18,0	71,3	47,8	119 900	185 200 *	232 500 *	278 400 *	18,0
20,0	68,8	47,0	105 800	164 400 *	208 400 *	249 800 *	20,0
22,0	66,2	46,1	93 900	147 400 *	188 500 *	226 300 *	22,0
24,0	63,5	45,1	82 700	133 300 *	171 900 *	206 600 *	24,0
26,0	60,7	44,0	73 500	121 500	157 700 *	189 800 *	26,0
28,0	57,9	42,7	65 900	111 000	145 500 *	175 300 *	28,0
30,0	55,0	41,3	59 400	101 000	134 400 *	162 800 *	30,0
32,0	52,0	39,8	53 800	92 500	124 800 *	151 800 *	32,0
34,0	48,8	38,0	49 000	85 100	116 200 *	142 000 *	34,0
36,0	45,5	36,1	44 800	78 600	108 700 *	133 300 *	36,0
38,0	42,0	33,9	41 000	72 800	101 900 *	125 500 *	38,0
40,0	38,1	31,4	37 600	67 700	95 800 *	118 500 *	40,0
42,0	33,9	28,5	34 600	63 100	90 300 *	112 100 *	42,0
44,0	29,2	25,1	31 900	59 000	85 300 *	106 200 *	44,0
46,0	23,5	20,8	29 400	55 200	80 700 *	100 900 *	46,0



 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
9,8	82,5	56,0	228 700	312 300 *	312 300 *	312 300 *	9,8
10,0	82,2	56,0	222 900	312 200 *	312 200 *	312 200 *	10,0
11,0	81,1	55,8	201 100	308 300 *	311 600 *	311 600 *	11,0
12,0	80,1	55,7	183 000	282 300 *	311 400 *	311 400 *	12,0
14,0	77,9	55,2	154 400	241 400 *	302 400 *	310 600 *	14,0
16,0	75,7	54,7	132 800	210 200 *	261 800 *	302 900 *	16,0
18,0	73,5	54,1	116 000	184 700 *	231 900 *	279 500 *	18,0
20,0	71,2	53,4	102 600	163 800 *	207 800 *	249 200 *	20,0
22,0	69,0	52,7	91 500	146 800 *	187 900 *	225 700 *	22,0
24,0	66,7	51,8	82 100	132 800 *	171 300 *	206 000 *	24,0
26,0	64,3	50,8	73 200	121 000 *	157 100 *	189 200 *	26,0
28,0	61,9	49,8	65 500	110 600	144 900 *	174 800 *	28,0
30,0	59,4	48,6	59 000	100 600	133 900 *	162 200 *	30,0
32,0	56,9	47,3	53 400	92 000	124 300 *	151 200 *	32,0
34,0	54,3	45,8	48 600	84 700	115 700 *	141 400 *	34,0
36,0	51,6	44,2	44 300	78 200	108 100 *	132 700 *	36,0
38,0	48,8	42,5	40 500	72 400	101 400 *	124 900 *	38,0
40,0	45,8	40,6	37 200	67 300	95 300 *	117 900 *	40,0
42,0	42,7	38,4	34 200	62 700	89 800 *	111 500 *	42,0
44,0	39,4	36,0	31 500	58 600	84 800 *	105 700 *	44,0
46,0	35,8	33,3	29 000	54 800	80 300 *	100 400 *	46,0
48,0	31,9	30,2	26 700	51 400	76 100 *	95 400 *	48,0
50,0	27,4	26,5	24 600	48 200	72 200 *	90 900 *	50,0
52,0	22,1	21,9	22 700	45 300	68 700 *	86 700 *	52,0

16000 MAX-ER

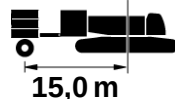
EN 13000



150 590 kg
+
54 430 kg



360°



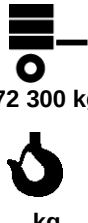
15,0 m

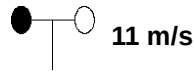


60,0 m



11 m/s

 m	 °	 m	 0 kg kg	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
10,4	82,6	62,0	204 900	282 800 *	282 800 *	282 800 *	10,4
11,0	82,0	61,9	192 500	282 600 *	282 600 *	282 600 *	11,0
12,0	81,1	61,8	175 700	279 300 *	282 400 *	282 400 *	12,0
14,0	79,1	61,4	148 700	240 600 *	277 800 *	277 800 *	14,0
16,0	77,2	60,9	128 300	209 500 *	264 500 *	272 500 *	16,0
18,0	75,2	60,4	112 200	184 100 *	231 200 *	267 100 *	18,0
20,0	73,2	59,8	99 300	163 200 *	207 100 *	248 800 *	20,0
22,0	71,2	59,1	88 600	146 200 *	187 200 *	225 000 *	22,0
24,0	69,1	58,3	79 700	132 200 *	170 600 *	205 200 *	24,0
26,0	67,0	57,5	72 100	120 300 *	156 400 *	188 500 *	26,0
28,0	64,9	56,5	65 100	110 000	144 200 *	174 100 *	28,0
30,0	62,8	55,5	58 500	100 100	133 300 *	161 500 *	30,0
32,0	60,6	54,4	52 900	91 500	123 600 *	150 500 *	32,0
34,0	58,4	53,1	48 000	84 100	115 100 *	140 800 *	34,0
36,0	56,1	51,8	43 800	77 600	107 500 *	132 100 *	36,0
38,0	53,7	50,3	40 000	71 800	100 800 *	124 300 *	38,0
40,0	51,2	48,7	36 600	66 700	94 700 *	117 200 *	40,0
42,0	48,7	47,0	33 600	62 100	89 200 *	110 800 *	42,0
44,0	46,1	45,1	30 900	58 000	84 200 *	105 000 *	44,0
46,0	43,3	43,0	28 400	54 200	79 700 *	99 700 *	46,0
48,0	40,4	40,6	26 200	50 800	75 500 *	94 800 *	48,0
50,0	37,2	38,0	24 100	47 700	71 700 *	90 300 *	50,0
52,0	33,9	35,1	22 200	44 800	68 100 *	86 100 *	52,0
54,0	30,1	31,8	20 400	42 100	64 800 *	82 200 *	54,0
56,0	25,9	27,8	18 800	39 700	61 700 *	78 600 *	56,0
58,0	20,9	23,0	17 200	37 300	58 900 *	75 100 *	58,0



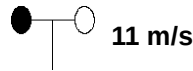
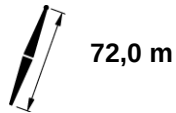
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
11,0	82,8	68,0	185 500	251 100 *	251 100 *	251 100 *	11,0
12,0	81,9	67,8	169 200	251 100 *	251 100 *	251 100 *	12,0
14,0	80,1	67,5	143 800	235 100	250 400 *	250 400 *	14,0
16,0	78,3	67,1	124 400	203 900	245 800 *	245 800 *	16,0
18,0	76,6	66,6	109 100	180 300	231 400 *	241 400 *	18,0
20,0	74,8	66,0	96 700	161 200	206 800 *	236 900 *	20,0
22,0	72,9	65,4	86 400	145 400	187 000 *	226 300 *	22,0
24,0	71,1	64,7	77 700	131 900	170 300 *	205 000 *	24,0
26,0	69,3	64,0	70 400	120 100 *	156 200 *	188 200 *	26,0
28,0	67,4	63,1	64 000	109 800	144 000 *	173 800 *	28,0
30,0	65,5	62,2	58 300	100 000	133 100 *	161 300 *	30,0
32,0	63,5	61,2	52 800	91 500	123 400 *	150 300 *	32,0
34,0	61,5	60,1	47 900	84 000	114 900 *	140 500 *	34,0
36,0	59,5	59,0	43 700	77 500	107 300 *	131 800 *	36,0
38,0	57,5	57,7	39 900	71 800	100 600 *	124 100 *	38,0
40,0	55,4	56,3	36 500	66 600	94 500 *	117 000 *	40,0
42,0	53,2	54,8	33 500	62 000	89 000 *	110 600 *	42,0
44,0	51,0	53,2	30 800	57 900	84 100 *	104 800 *	44,0
46,0	48,7	51,5	28 300	54 100	79 500 *	99 500 *	46,0
48,0	46,3	49,5	26 100	50 700	75 300 *	94 600 *	48,0
50,0	43,8	47,5	24 000	47 600	71 500 *	90 100 *	50,0
52,0	41,1	45,2	22 100	44 700	67 900 *	86 000 *	52,0
54,0	38,4	42,7	20 300	42 000	64 700 *	82 100 *	54,0
56,0	35,4	40,0	18 700	39 600	61 600 *	78 500 *	56,0
58,0	32,2	36,8	17 200	37 300	58 800 *	75 000 *	58,0
60,0	28,7	33,3	15 800	35 200	56 100 *	71 800 *	60,0
62,0	24,6	29,1	14 500	33 200	53 600 *	68 800 *	62,0
64,0	19,9	24,0	13 200	31 300	51 200	66 000 *	64,0

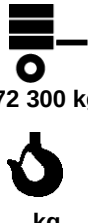
16000 MAX-ER

EN 13000



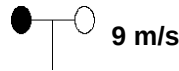
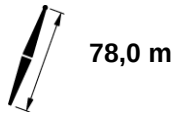
150 590 kg
+
54 430 kg



 m	 °	 m	 0 kg kg	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
11,6	82,9	74,0	168 500	227 800 *	227 800 *	227 800 *	11,6
12,0	82,6	73,9	162 700	227 800 *	227 800 *	227 800 *	12,0
14,0	81,0	73,6	138 600	223 500	225 200 *	225 200 *	14,0
16,0	79,3	73,2	120 100	198 300	221 500 *	221 500 *	16,0
18,0	77,7	72,8	105 400	175 100	217 800 *	217 800 *	18,0
20,0	76,1	72,3	93 500	156 800	206 500 *	214 200 *	20,0
22,0	74,4	71,7	83 600	141 500	186 100 *	210 500 *	22,0
24,0	72,7	71,1	75 200	128 600	169 500 *	203 400 *	24,0
26,0	71,1	70,4	68 100	117 600	155 400 *	187 500 *	26,0
28,0	69,4	69,6	61 900	108 100	143 200 *	173 000 *	28,0
30,0	67,6	68,8	56 500	99 400	132 400 *	160 500 *	30,0
32,0	65,9	67,9	51 700	90 800	122 700 *	149 500 *	32,0
34,0	64,1	66,9	47 300	83 300	114 200 *	139 700 *	34,0
36,0	62,3	65,9	43 000	76 800	106 600 *	131 000 *	36,0
38,0	60,5	64,8	39 200	71 100	99 900 *	123 200 *	38,0
40,0	58,6	63,5	35 900	65 900	93 800 *	116 200 *	40,0
42,0	56,7	62,2	32 800	61 300	88 300 *	109 800 *	42,0
44,0	54,8	60,8	30 100	57 200	83 300 *	104 000 *	44,0
46,0	52,8	59,3	27 600	53 400	78 800 *	98 800 *	46,0
48,0	50,7	57,7	25 400	50 000	74 600 *	93 900 *	48,0
50,0	48,6	55,9	23 300	46 900	70 800 *	89 400 *	50,0
52,0	46,4	54,0	21 400	44 000	67 300 *	85 200 *	52,0
54,0	44,2	52,0	19 700	41 400	64 000 *	81 400 *	54,0
56,0	41,8	49,8	18 000	38 900	60 900 *	77 700 *	56,0
58,0	39,3	47,3	16 500	36 600	58 100 *	74 300 *	58,0
60,0	36,6	44,7	15 100	34 500	55 400 *	71 100 *	60,0
62,0	33,8	41,8	13 800	32 500	53 000 *	68 100 *	62,0
64,0	30,7	38,5	12 600	30 700	50 500	65 300 *	64,0
66,0	27,4	34,7	11 400	28 900	48 100	62 700 *	66,0
68,0	23,5	30,4	10 300	27 300	45 900	60 200 *	68,0
70,0	19,0	25,0	9 300	25 700	43 700	57 800 *	70,0



150 590 kg
+
54 430 kg



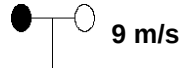
m	°	m	kg	kg	kg	kg	m
12,2	83,0	79,9	154 100	205 100 *	205 100 *	205 100 *	12,2
14,0	81,7	79,7	133 800	203 400	203 500 *	203 500 *	14,0
16,0	80,2	79,3	116 200	194 300	201 100 *	201 100 *	16,0
18,0	78,7	78,9	102 100	170 300	198 900 *	198 900 *	18,0
20,0	77,2	78,5	90 700	152 600	196 400 *	196 600 *	20,0
22,0	75,6	77,9	81 100	137 900	186 900 *	194 400 *	22,0
24,0	74,1	77,4	73 000	125 400	168 900 *	192 200 *	24,0
26,0	72,6	76,7	66 000	114 800	154 800 *	187 100 *	26,0
28,0	71,0	76,1	60 000	105 600	142 600 *	172 400 *	28,0
30,0	69,5	75,3	54 700	97 500	131 800 *	159 900 *	30,0
32,0	67,9	74,5	50 100	90 300	122 100 *	148 900 *	32,0
34,0	66,3	73,6	46 000	82 800	113 600 *	139 100 *	34,0
36,0	64,6	72,7	42 300	76 300	106 100 *	130 500 *	36,0
38,0	63,0	71,6	38 700	70 600	99 300 *	122 700 *	38,0
40,0	61,3	70,5	35 400	65 400	93 200 *	115 700 *	40,0
42,0	59,6	69,4	32 300	60 800	87 800 *	109 300 *	42,0
44,0	57,9	68,1	29 600	56 700	82 800 *	103 500 *	44,0
46,0	56,1	66,8	27 100	52 900	78 300 *	98 200 *	46,0
48,0	54,3	65,3	24 800	49 500	74 100 *	93 300 *	48,0
50,0	52,4	63,8	22 800	46 400	70 200 *	88 800 *	50,0
52,0	50,5	62,2	20 900	43 500	66 700 *	84 700 *	52,0
54,0	48,6	60,4	19 200	40 900	63 500 *	80 800 *	54,0
56,0	46,6	58,5	17 500	38 400	60 400 *	77 200 *	56,0
58,0	44,5	56,5	16 000	36 100	57 600 *	73 800 *	58,0
60,0	42,3	54,3	14 600	34 000	54 900 *	70 600 *	60,0
62,0	40,0	52,0	13 300	32 000	52 500 *	67 600 *	62,0
64,0	37,6	49,4	12 100	30 200	50 000	64 900 *	64,0
66,0	35,1	46,6	10 900	28 400	47 700	62 200 *	66,0
68,0	32,4	43,5	9 800	26 800	45 400	59 700 *	68,0
70,0	29,5	40,0	8 800	25 300	43 300	57 400 *	70,0
72,0	26,2	36,1	7 800	23 800	41 400	55 200 *	72,0
74,0	22,6	31,5	6 900	22 500	39 500	53 100 *	74,0
76,0	18,2	25,9	6 000	21 100	37 700	51 000 *	76,0

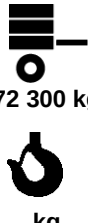
16000 MAX-ER

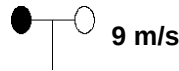
EN 13000



150 590 kg
+
54 430 kg



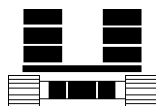
 m	 °	 m	 0 kg kg	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
13,7	82,5	85,8	131 700	177 000 *	177 000 *	177 000 *	13,7
14,0	82,3	85,8	129 200	177 000 *	177 000 *	177 000 *	14,0
16,0	80,9	85,4	112 200	177 000 *	177 000 *	177 000 *	16,0
18,0	79,5	85,1	98 700	165 400	177 000 *	177 000 *	18,0
20,0	78,1	84,6	87 600	148 400	176 800 *	176 800 *	20,0
22,0	76,7	84,2	78 400	134 200	174 000 *	174 000 *	22,0
24,0	75,3	83,6	70 500	122 100	167 400 *	170 400 *	24,0
26,0	73,9	83,0	63 800	111 800	154 000 *	167 100 *	26,0
28,0	72,4	82,4	57 900	102 800	141 800 *	164 000 *	28,0
30,0	71,0	81,7	52 800	94 900	131 000 *	158 700 *	30,0
32,0	69,5	81,0	48 200	87 900	121 300 *	148 100 *	32,0
34,0	68,1	80,2	44 200	81 700	112 800 *	138 300 *	34,0
36,0	66,6	79,3	40 600	75 600	105 300 *	129 600 *	36,0
38,0	65,1	78,3	37 300	69 800	98 500 *	121 900 *	38,0
40,0	63,5	77,3	34 300	64 700	92 500 *	114 800 *	40,0
42,0	62,0	76,3	31 600	60 000	87 000 *	108 500 *	42,0
44,0	60,4	75,2	28 800	55 900	82 000 *	102 700 *	44,0
46,0	58,8	73,9	26 300	52 200	77 400 *	97 400 *	46,0
48,0	57,2	72,7	24 100	48 700	73 300 *	92 500 *	48,0
50,0	55,6	71,3	22 000	45 600	69 500 *	88 000 *	50,0
52,0	53,9	69,8	20 100	42 700	66 000 *	83 900 *	52,0
54,0	52,1	68,3	18 300	40 100	62 700 *	80 000 *	54,0
56,0	50,4	66,6	16 800	37 600	59 600 *	76 400 *	56,0
58,0	48,6	64,9	15 300	35 300	56 800 *	73 100 *	58,0
60,0	46,7	63,0	13 800	33 200	54 200 *	69 900 *	60,0
62,0	44,8	61,0	12 500	31 200	51 700 *	66 900 *	62,0
64,0	42,8	58,8	11 300	29 400	49 300	64 100 *	64,0
66,0	40,7	56,5	10 200	27 700	46 900	61 400 *	66,0
68,0	38,5	54,0	9 100	26 100	44 700	59 000 *	68,0
70,0	36,2	51,3	8 100	24 500	42 600	56 600 *	70,0
72,0	33,8	48,4	7 100	23 100	40 600	54 400 *	72,0
74,0	31,2	45,2	6 200	21 700	38 700	52 300 *	74,0
76,0	28,4	41,5	5 300	20 400	37 000	50 400 *	76,0
80,0	21,7	32,7	3 700	18 000	33 600	46 600 *	80,0



 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
13,7	83,0	91,8	127 300	148 400 *	148 400 *	148 400 *	13,7
14,0	82,8	91,8	124 900	148 400 *	148 400 *	148 400 *	14,0
16,0	81,5	91,5	108 600	148 400 *	148 400 *	148 400 *	16,0
18,0	80,2	91,2	95 700	148 400 *	148 400 *	148 400 *	18,0
20,0	78,9	90,8	85 000	145 200	148 400 *	148 400 *	20,0
22,0	77,6	90,3	76 100	130 900	147 800 *	147 800 *	22,0
24,0	76,3	89,8	68 500	119 200	145 300 *	145 300 *	24,0
26,0	75,0	89,3	61 900	109 200	142 400 *	142 400 *	26,0
28,0	73,6	88,7	56 200	100 500	139 100 *	139 700 *	28,0
30,0	72,3	88,1	51 200	92 800	131 000 *	137 000 *	30,0
32,0	71,0	87,4	46 800	86 000	120 900 *	134 400 *	32,0
34,0	69,6	86,6	42 800	79 900	112 400 *	132 000 *	34,0
36,0	68,2	85,8	39 300	74 500	104 800 *	128 500 *	36,0
38,0	66,8	85,0	36 100	69 400	98 100 *	121 500 *	38,0
40,0	65,4	84,0	33 200	64 300	92 000 *	114 400 *	40,0
42,0	64,0	83,1	30 500	59 700	86 500 *	108 000 *	42,0
44,0	62,6	82,0	28 100	55 500	81 600 *	102 200 *	44,0
46,0	61,1	80,9	25 900	51 700	77 000 *	96 900 *	46,0
48,0	59,7	79,8	23 700	48 300	72 900 *	92 100 *	48,0
50,0	58,2	78,5	21 600	45 200	69 100 *	87 600 *	50,0
52,0	56,6	77,2	19 700	42 300	65 500 *	83 500 *	52,0
54,0	55,1	75,8	18 000	39 700	62 300 *	79 600 *	54,0
56,0	53,5	74,3	16 300	37 200	59 200 *	76 000 *	56,0
58,0	51,9	72,8	14 900	35 000	56 400 *	72 700 *	58,0
60,0	50,2	71,1	13 500	32 800	53 800 *	69 500 *	60,0
62,0	48,5	69,3	12 200	30 900	51 300 *	66 500 *	62,0
64,0	46,8	67,5	10 900	29 000	48 900	63 700 *	64,0
66,0	45,0	65,5	9 800	27 300	46 500	61 100 *	66,0
68,0	43,1	63,3	8 700	25 700	44 300	58 600 *	68,0
70,0	41,2	61,1	7 700	24 200	42 200	56 300 *	70,0
72,0	39,2	58,7	6 700	22 700	40 200	54 100 *	72,0
74,0	37,1	56,0	5 800	21 300	38 400	52 000 *	74,0
76,0	34,9	53,2	5 000	20 000	36 600	50 000 *	76,0
80,0	30,1	46,8		17 600	33 300	46 300 *	80,0
84,0	24,4	38,7		15 300 *	30 400	43 000 *	84,0
88,0	16,9	27,6		13 000 *	27 600	38 900 *	88,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



360°



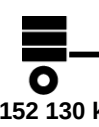
15,0 m



96,0 m



7 m/s

 m	 °	 m	 kg	 kg	 kg	 m
15,2	82,5	97,7	126 900 *	126 900 *	126 900 *	15,2
16,0	82,0	97,6	126 900 *	126 900 *	126 900 *	16,0
18,0	80,8	97,2	126 900 *	126 900 *	126 900 *	18,0
20,0	79,6	96,9	126 900 *	126 900 *	126 900 *	20,0
22,0	78,4	96,5	124 800	126 900 *	126 900 *	22,0
24,0	77,2	96,0	116 400	126 900 *	126 900 *	24,0
26,0	75,9	95,5	106 200	126 900 *	126 900 *	26,0
28,0	74,7	95,0	97 700	126 800 *	126 800 *	28,0
30,0	73,4	94,4	90 200	126 600 *	126 600 *	30,0
32,0	72,2	93,7	83 600	120 000 *	125 800 *	32,0
34,0	70,9	93,0	77 600	111 500 *	124 900 *	34,0
36,0	69,7	92,3	72 300	104 000 *	124 100 *	36,0
38,0	68,4	91,5	67 500	97 200 *	120 400 *	38,0
40,0	67,1	90,6	63 100	91 200 *	113 400 *	40,0
42,0	65,8	89,7	58 800	85 700 *	107 100 *	42,0
44,0	64,4	88,8	54 600	80 700 *	101 300 *	44,0
46,0	63,1	87,8	50 800	76 200 *	96 000 *	46,0
48,0	61,7	86,7	47 400	72 000 *	91 100 *	48,0
50,0	60,4	85,5	44 300	68 200 *	86 700 *	50,0
52,0	59,0	84,3	41 400	64 600 *	82 500 *	52,0
54,0	57,6	83,1	38 700	61 400 *	78 700 *	54,0
56,0	56,1	81,7	36 300	58 300 *	75 100 *	56,0
58,0	54,7	80,3	34 100	55 500 *	71 700 *	58,0
60,0	53,2	78,8	31 900	52 900 *	68 600 *	60,0
62,0	51,7	77,2	30 000	50 400 *	65 600 *	62,0
64,0	50,1	75,6	28 100	48 000	62 800 *	64,0
66,0	48,5	73,8	26 400	45 600	60 200 *	66,0
68,0	46,9	71,9	24 800	43 400	57 700 *	68,0
70,0	45,2	70,0	23 200	41 300	55 400 *	70,0
72,0	43,5	67,9	21 800	39 300	53 200 *	72,0
74,0	41,7	65,6	20 400	37 500	51 100 *	74,0
76,0	39,8	63,3	19 200	35 700	49 100 *	76,0
80,0	35,9	58,0	16 600 *	32 500	45 500 *	80,0
84,0	31,5	51,8	14 300 *	29 500	42 200 *	84,0
88,0	26,4	44,4	12 100 *	26 700 *	39 100 *	88,0
92,0	20,2	34,8	10 100 *	24 000 *	36 100 *	92,0



102,0 m

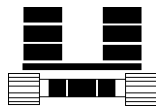


7 m/s

 m	 °	 m	 kg	 kg	 kg	 m
15,2	82,9	103,8	107 800 *	107 800 *	107 800 *	15,2
16,0	82,5	103,7	107 800 *	107 800 *	107 800 *	16,0
18,0	81,4	103,3	107 800 *	107 800 *	107 800 *	18,0
20,0	80,2	103,0	107 800 *	107 800 *	107 800 *	20,0
22,0	79,1	102,6	107 700 *	107 700 *	107 700 *	22,0
24,0	77,9	102,2	107 600 *	107 600 *	107 600 *	24,0
26,0	76,8	101,7	103 800	107 500 *	107 500 *	26,0
28,0	75,6	101,2	95 400	107 300 *	107 300 *	28,0
30,0	74,4	100,6	88 100	106 500 *	106 500 *	30,0
32,0	73,3	100,0	81 600	105 800 *	105 800 *	32,0
34,0	72,1	99,4	75 800	105 000 *	105 000 *	34,0
36,0	70,9	98,7	70 600	102 900 *	104 200 *	36,0
38,0	69,7	97,9	65 900	96 800 *	103 500 *	38,0
40,0	68,5	97,1	61 600	90 600 *	102 700 *	40,0
42,0	67,3	96,3	57 700	85 100 *	102 000 *	42,0
44,0	66,1	95,4	54 000	80 200 *	100 500 *	44,0
46,0	64,8	94,5	50 300	75 600 *	95 500 *	46,0
48,0	63,6	93,5	46 900	71 500 *	90 600 *	48,0
50,0	62,3	92,4	43 800	67 700 *	86 100 *	50,0
52,0	61,0	91,3	40 900	64 100 *	82 000 *	52,0
54,0	59,7	90,2	38 200	60 900 *	78 100 *	54,0
56,0	58,4	88,9	35 800	57 900 *	74 600 *	56,0
58,0	57,0	87,6	33 500	55 000 *	71 200 *	58,0
60,0	55,7	86,2	31 400	52 400 *	68 100 *	60,0
62,0	54,3	84,8	29 400	49 900 *	65 100 *	62,0
64,0	52,9	83,3	27 600	47 500	62 300 *	64,0
66,0	51,5	81,7	25 900	45 100	59 700 *	66,0
68,0	50,0	80,0	24 200	42 900	57 200 *	68,0
70,0	48,5	78,3	22 800	40 800	54 900 *	70,0
72,0	47,0	76,4	21 300	38 800	52 700 *	72,0
74,0	45,4	74,4	19 900	37 000	50 600 *	74,0
76,0	43,8	72,4	18 600	35 200	48 700 *	76,0
80,0	40,4	67,8	16 000 *	32 000	45 000 *	80,0
84,0	36,7	62,7	13 700 *	29 000 *	41 700 *	84,0
88,0	32,7	56,8	11 500 *	26 200 *	38 700 *	88,0
92,0	28,2	49,8	9 600 *	23 500 *	35 900 *	92,0
96,0	22,8	41,1	7 700 *	21 100 *	33 400 *	96,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



360°



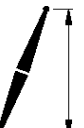
15,0 m



108,0 m



7 m/s

 m	 o	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
16,8	82,5	109,6	93 000 *	93 000 *	93 000 *	16,8
18,0	81,8	109,4	92 900 *	92 900 *	92 900 *	18,0
20,0	80,8	109,1	92 900 *	92 900 *	92 900 *	20,0
22,0	79,7	108,7	92 800 *	92 800 *	92 800 *	22,0
24,0	78,6	108,3	92 700 *	92 700 *	92 700 *	24,0
26,0	77,5	107,9	92 400 *	92 400 *	92 400 *	26,0
28,0	76,4	107,4	91 200	91 700 *	91 700 *	28,0
30,0	75,3	106,9	85 900	91 000 *	91 000 *	30,0
32,0	74,2	106,3	79 300	90 400 *	90 400 *	32,0
34,0	73,1	105,7	73 600	89 700 *	89 700 *	34,0
36,0	72,0	105,0	68 500	89 000 *	89 000 *	36,0
38,0	70,9	104,3	63 900	88 300 *	88 300 *	38,0
40,0	69,8	103,6	59 700	87 500 *	87 600 *	40,0
42,0	68,6	102,8	55 800	84 700 *	87 000 *	42,0
44,0	67,5	102,0	52 300	79 300 *	86 300 *	44,0
46,0	66,3	101,1	49 000	74 800 *	85 600 *	46,0
48,0	65,1	100,2	46 000	70 600 *	84 900 *	48,0
50,0	64,0	99,2	42 900	66 800 *	84 300 *	50,0
52,0	62,8	98,2	40 100	63 300 *	81 200 *	52,0
54,0	61,6	97,1	37 400	60 000 *	77 300 *	54,0
56,0	60,3	95,9	34 900	57 000 *	73 700 *	56,0
58,0	59,1	94,7	32 600	54 200 *	70 400 *	58,0
60,0	57,8	93,5	30 600	51 600 *	67 300 *	60,0
62,0	56,6	92,2	28 600	49 100	64 300 *	62,0
64,0	55,3	90,8	26 800	46 600	61 500 *	64,0
66,0	54,0	89,3	25 000	44 200	58 900 *	66,0
68,0	52,6	87,8	23 400	42 000	56 400 *	68,0
70,0	51,3	86,2	21 900	39 900	54 100 *	70,0
72,0	49,9	84,5	20 500	38 000	51 900 *	72,0
74,0	48,5	82,8	19 000 *	36 100	49 800 *	74,0
76,0	47,0	80,9	17 600 *	34 400	47 900 *	76,0
80,0	44,0	76,9	15 000 *	31 100	44 200 *	80,0
84,0	40,8	72,4	12 700 *	28 000 *	40 900 *	84,0
88,0	37,4	67,4	10 500 *	25 200 *	37 900 *	88,0
92,0	33,7	61,7	8 600 *	22 500 *	35 100 *	92,0
96,0	29,6	55,0	6 800 *	20 100 *	32 600 *	96,0
100,0	24,9	47,0	5 100 *	17 900 *	30 300 *	100,0
104,0	19,0	36,8		15 800 *	24 600 *	104,0



114,0 m

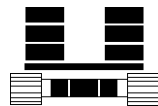


7 m/s

 m	 °	 m	 kg	 kg	 kg	 m
16,8	82,9	115,7	79 700 *	79 700 *	79 700 *	16,8
18,0	82,3	115,5	79 700 *	79 700 *	79 700 *	18,0
20,0	81,3	115,2	79 500 *	79 500 *	79 500 *	20,0
22,0	80,2	114,8	79 500 *	79 500 *	79 500 *	22,0
24,0	79,2	114,4	79 300 *	79 300 *	79 300 *	24,0
26,0	78,2	114,0	78 800 *	78 800 *	78 800 *	26,0
28,0	77,2	113,6	78 200 *	78 200 *	78 200 *	28,0
30,0	76,1	113,1	77 600 *	77 600 *	77 600 *	30,0
32,0	75,1	112,5	77 000 *	77 000 *	77 000 *	32,0
34,0	74,0	111,9	71 800	76 300 *	76 300 *	34,0
36,0	73,0	111,3	66 700	75 700 *	75 700 *	36,0
38,0	71,9	110,7	62 100	75 100 *	75 100 *	38,0
40,0	70,9	110,0	57 900	74 500 *	74 500 *	40,0
42,0	69,8	109,2	54 100	73 900 *	73 900 *	42,0
44,0	68,7	108,5	50 700	73 300 *	73 300 *	44,0
46,0	67,6	107,6	47 500	72 600 *	72 700 *	46,0
48,0	66,5	106,8	44 600	70 300 *	72 100 *	48,0
50,0	65,4	105,9	41 900	66 200 *	71 400 *	50,0
52,0	64,3	104,9	39 400	62 700 *	70 800 *	52,0
54,0	63,2	103,9	36 800	59 400 *	70 200 *	54,0
56,0	62,0	102,8	34 300	56 400 *	69 600 *	56,0
58,0	60,9	101,7	32 100	53 600 *	69 000 *	58,0
60,0	59,7	100,5	29 900	51 000 *	66 800 *	60,0
62,0	58,6	99,3	28 000	48 500	63 700 *	62,0
64,0	57,4	98,0	26 100	46 000	60 900 *	64,0
66,0	56,1	96,7	24 400	43 600	58 300 *	66,0
68,0	54,9	95,3	22 800	41 400	55 800 *	68,0
70,0	53,7	93,8	21 300	39 300	53 500 *	70,0
72,0	52,4	92,3	19 800 *	37 400	51 300 *	72,0
74,0	51,1	90,7	18 300 *	35 500	49 300 *	74,0
76,0	49,8	89,0	16 900 *	33 800	47 300 *	76,0
80,0	47,1	85,4	14 300 *	30 500 *	43 700 *	80,0
84,0	44,3	81,4	12 000 *	27 300 *	40 400 *	84,0
88,0	41,3	77,0	9 900 *	24 500 *	37 300 *	88,0
92,0	38,1	72,0	7 900 *	21 900 *	34 600 *	92,0
96,0	34,6	66,5	6 100 *	19 500 *	32 100 *	96,0
100,0	30,8	60,1	4 500 *	17 300 *	29 800 *	100,0
104,0	26,6	52,6		15 200 *	27 000 *	104,0
108,0	21,5	43,4		13 300 *	16 800 *	108,0

16000 MAX-ER

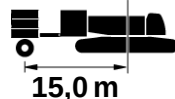
EN 13000



150 590 kg
+
54 430 kg



360°



15,0 m



120,0 m



7 m/s

 m	 °	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
18,3	82,5	121,5	68 900 *	68 900 *	68 900 *	18,3
20,0	81,7	121,2	68 800 *	68 800 *	68 800 *	20,0
22,0	80,7	120,9	68 800 *	68 800 *	68 800 *	22,0
24,0	79,8	120,6	68 600 *	68 600 *	68 600 *	24,0
26,0	78,8	120,2	68 200 *	68 200 *	68 200 *	26,0
28,0	77,8	119,7	67 700 *	67 700 *	67 700 *	28,0
30,0	76,8	119,2	67 100 *	67 100 *	67 100 *	30,0
32,0	75,8	118,7	66 500 *	66 500 *	66 500 *	32,0
34,0	74,9	118,2	66 000 *	66 000 *	66 000 *	34,0
36,0	73,9	117,6	64 200	65 000 *	65 000 *	36,0
38,0	72,9	117,0	59 700	63 500 *	63 500 *	38,0
40,0	71,9	116,3	55 500	62 300 *	62 300 *	40,0
42,0	70,8	115,6	51 800	61 100 *	61 100 *	42,0
44,0	69,8	114,9	48 400	59 900 *	59 900 *	44,0
46,0	68,8	114,1	45 300	58 800 *	58 800 *	46,0
48,0	67,8	113,3	42 500	57 600 *	57 600 *	48,0
50,0	66,7	112,4	39 900	56 400 *	56 400 *	50,0
52,0	65,7	111,5	37 400	55 200 *	55 200 *	52,0
54,0	64,6	110,6	35 200	54 000 *	54 000 *	54,0
56,0	63,6	109,6	33 100	52 800 *	52 800 *	56,0
58,0	62,5	108,6	31 000	51 600 *	51 600 *	58,0
60,0	61,4	107,5	28 900	50 100 *	50 400 *	60,0
62,0	60,3	106,3	26 900	47 400	49 200 *	62,0
64,0	59,2	105,1	25 000	44 900	48 000 *	64,0
66,0	58,1	103,9	23 300	42 500	46 800 *	66,0
68,0	56,9	102,6	21 600 *	40 300	45 700 *	68,0
70,0	55,8	101,2	20 000 *	38 200	44 500 *	70,0
72,0	54,6	99,8	18 400 *	36 300	43 300 *	72,0
74,0	53,4	98,3	17 000 *	34 400	42 100 *	74,0
76,0	52,2	96,8	15 600 *	32 600	40 900 *	76,0
80,0	49,7	93,5	13 000 *	29 200 *	38 500 *	80,0
84,0	47,1	89,8	10 700 *	26 000 *	36 600 *	84,0
88,0	44,5	85,9	8 600 *	23 200 *	35 400 *	88,0
92,0	41,6	81,5	6 600 *	20 600 *	33 600 *	92,0
96,0	38,6	76,7	4 900 *	18 200 *	31 100 *	96,0
100,0	35,4	71,3		16 000 *	28 800 *	100,0
104,0	31,9	65,1		14 000 *	26 300 *	104,0
108,0	28,0	58,0		12 100 *	23 900 *	108,0
112,0	23,5	49,5		10 300 *	21 600 *	112,0
116,0	18,0	38,7		8 600 *	17 800 *	116,0