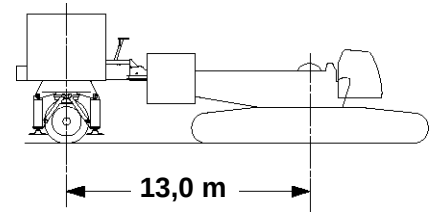


Liftcrane Boom Capacities

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 13,0 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	
114,0 m	108,0 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

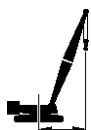
(continued)



Boom Length



Maximum Wind Speed
(see page 1)



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



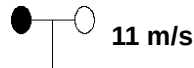
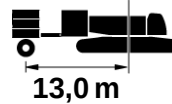
Wheeled Counterweight



Lifting Capacities
(see page 1)



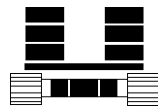
150 590 kg
+
54 430 kg



 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	364 800 *	379 800 *	379 800 *	9,0
10,0	80,0	43,8	245 000	329 900 *	379 800 *	379 800 *	10,0
11,0	78,6	43,6	219 600	300 300 *	363 700 *	379 800 *	11,0
12,0	77,2	43,4	198 700	275 300 *	333 600 *	379 800 *	12,0
14,0	74,3	42,8	166 200	235 500 *	285 800 *	336 400 *	14,0
16,0	71,4	42,1	142 200	204 900 *	249 600 *	293 700 *	16,0
18,0	68,5	41,3	123 800	179 700 *	221 100 *	260 500 *	18,0
20,0	65,5	40,4	107 800	159 400 *	198 200 *	233 700 *	20,0
22,0	62,4	39,4	93 900	143 000 *	179 200 *	211 600 *	22,0
24,0	59,3	38,2	82 900	129 400 *	163 400 *	193 200 *	24,0
26,0	56,0	36,8	73 800	117 900	149 900 *	177 400 *	26,0
28,0	52,5	35,3	66 200	106 600	137 800 *	163 900 *	28,0
30,0	48,9	33,6	59 700	97 100	127 300 *	152 100 *	30,0
32,0	45,1	31,6	54 200	88 900	118 100 *	141 800 *	32,0
34,0	41,0	29,3	49 300	81 800	110 000 *	132 600 *	34,0
36,0	36,5	26,7	45 100	75 500	102 800 *	124 400 *	36,0
38,0	31,4	23,5	41 300	69 900	96 400 *	117 100 *	38,0
40,0	25,3	19,6	37 900	65 000	90 600 *	110 100 *	40,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



360°



13,0 m



48,0 m

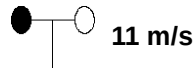
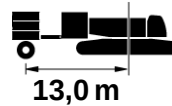


11 m/s

 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	331 900 *	340 000 *	340 000 *	10,0
11,0	80,0	49,7	210 100	299 800 *	340 000 *	340 000 *	11,0
12,0	78,8	49,5	190 700	274 800 *	331 700 *	340 000 *	12,0
14,0	76,3	49,0	160 200	235 000 *	285 400 *	334 100 *	14,0
16,0	73,8	48,5	137 500	204 500 *	249 100 *	293 500 *	16,0
18,0	71,3	47,8	119 900	179 300 *	220 600 *	260 000 *	18,0
20,0	68,8	47,0	105 800	159 000 *	197 600 *	233 200 *	20,0
22,0	66,2	46,1	93 900	142 600 *	178 700 *	211 100 *	22,0
24,0	63,5	45,1	82 700	128 900 *	162 900 *	192 700 *	24,0
26,0	60,7	44,0	73 500	117 400	149 400 *	176 900 *	26,0
28,0	57,9	42,7	65 900	106 400	137 400 *	163 400 *	28,0
30,0	55,0	41,3	59 400	96 800	126 900 *	151 600 *	30,0
32,0	52,0	39,8	53 800	88 600	117 700 *	141 300 *	32,0
34,0	48,8	38,0	49 000	81 400	109 600 *	132 100 *	34,0
36,0	45,5	36,1	44 800	75 200	102 400 *	124 000 *	36,0
38,0	42,0	33,9	41 000	69 700	96 000 *	116 600 *	38,0
40,0	38,1	31,4	37 600	64 700	90 200 *	110 000 *	40,0
42,0	33,9	28,5	34 600	60 300	85 000 *	104 000 *	42,0
44,0	29,2	25,1	31 900	56 300	80 200 *	98 500 *	44,0
46,0	23,5	20,8	29 400	52 600	75 800 *	93 300 *	46,0



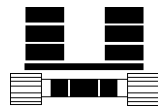
150 590 kg
+
54 430 kg



m	°	m	kg	kg	kg	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	299 300 *	311 600 *	311 600 *	11,0
12,0	80,1	55,7	183 000	274 200 *	311 400 *	311 400 *	12,0
14,0	77,9	55,2	154 400	234 400 *	285 900 *	310 600 *	14,0
16,0	75,7	54,7	132 800	203 900 *	248 400 *	295 600 *	16,0
18,0	73,5	54,1	116 000	178 800 *	220 000 *	259 400 *	18,0
20,0	71,2	53,4	102 600	158 500 *	197 100 *	232 600 *	20,0
22,0	69,0	52,7	91 500	142 000 *	178 100 *	210 500 *	22,0
24,0	66,7	51,8	82 100	128 400 *	162 300 *	192 000 *	24,0
26,0	64,3	50,8	73 200	116 900	148 800 *	176 300 *	26,0
28,0	61,9	49,8	65 500	106 000	136 900 *	162 800 *	28,0
30,0	59,4	48,6	59 000	96 400	126 300 *	151 000 *	30,0
32,0	56,9	47,3	53 400	88 200	117 100 *	140 700 *	32,0
34,0	54,3	45,8	48 600	81 000	109 000 *	131 600 *	34,0
36,0	51,6	44,2	44 300	74 800	101 900 *	123 400 *	36,0
38,0	48,8	42,5	40 500	69 200	95 500 *	116 100 *	38,0
40,0	45,8	40,6	37 200	64 300	89 700 *	109 500 *	40,0
42,0	42,7	38,4	34 200	59 800	84 500 *	103 500 *	42,0
44,0	39,4	36,0	31 500	55 800	79 700 *	98 000 *	44,0
46,0	35,8	33,3	29 000	52 200	75 400 *	93 000 *	46,0
48,0	31,9	30,2	26 700	48 900	71 400 *	88 400 *	48,0
50,0	27,4	26,5	24 600	45 800	67 700 *	84 100 *	50,0
52,0	22,1	21,9	22 700	43 000	64 300 *	80 000 *	52,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



360°



13,0 m



60,0 m

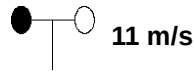


11 m/s

 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	273 600	282 400 *	282 400 *	12,0
14,0	79,1	61,4	148 700	231 900	276 200 *	277 800 *	14,0
16,0	77,2	60,9	128 300	201 600	249 100 *	272 500 *	16,0
18,0	75,2	60,4	112 200	177 800	219 200 *	258 400 *	18,0
20,0	73,2	59,8	99 300	157 900 *	196 300 *	231 900 *	20,0
22,0	71,2	59,1	88 600	141 400 *	177 400 *	209 800 *	22,0
24,0	69,1	58,3	79 700	127 800 *	161 500 *	191 300 *	24,0
26,0	67,0	57,5	72 100	116 200	148 100 *	175 600 *	26,0
28,0	64,9	56,5	65 100	105 500	136 200 *	162 100 *	28,0
30,0	62,8	55,5	58 500	95 900	125 700 *	150 300 *	30,0
32,0	60,6	54,4	52 900	87 600	116 500 *	140 000 *	32,0
34,0	58,4	53,1	48 000	80 500	108 400 *	130 800 *	34,0
36,0	56,1	51,8	43 800	74 200	101 300 *	122 700 *	36,0
38,0	53,7	50,3	40 000	68 700	94 800 *	115 400 *	38,0
40,0	51,2	48,7	36 600	63 700	89 000 *	108 800 *	40,0
42,0	48,7	47,0	33 600	59 300	83 800 *	102 800 *	42,0
44,0	46,1	45,1	30 900	55 300	79 100 *	97 300 *	44,0
46,0	43,3	43,0	28 400	51 600	74 800 *	92 400 *	46,0
48,0	40,4	40,6	26 200	48 300	70 800 *	87 800 *	48,0
50,0	37,2	38,0	24 100	45 300	67 100 *	83 500 *	50,0
52,0	33,9	35,1	22 200	42 500	63 700 *	79 600 *	52,0
54,0	30,1	31,8	20 400	39 900	60 600 *	75 800 *	54,0
56,0	25,9	27,8	18 800	37 500	57 700 *	72 400 *	56,0
58,0	20,9	23,0	17 200	35 300	55 000	69 100 *	58,0



150 590 kg
+
54 430 kg



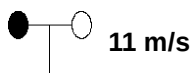
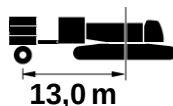
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
11,0	82,8	68,0	185 500	251 100 *	251 100 *	251 100 *	11,0
12,0	81,9	67,8	169 200	251 100 *	251 100 *	251 100 *	12,0
14,0	80,1	67,5	143 800	225 200	250 400 *	250 400 *	14,0
16,0	78,3	67,1	124 400	195 800	242 700 *	245 800 *	16,0
18,0	76,6	66,6	109 100	173 100	220 000 *	241 400 *	18,0
20,0	74,8	66,0	96 700	154 700	196 100 *	232 300 *	20,0
22,0	72,9	65,4	86 400	139 400	177 100 *	209 600 *	22,0
24,0	71,1	64,7	77 700	126 600	161 300 *	191 100 *	24,0
26,0	69,3	64,0	70 400	115 700	147 800 *	175 400 *	26,0
28,0	67,4	63,1	64 000	105 600	136 100 *	161 900 *	28,0
30,0	65,5	62,2	58 300	95 800	125 500 *	150 100 *	30,0
32,0	63,5	61,2	52 800	87 600	116 300 *	139 800 *	32,0
34,0	61,5	60,1	47 900	80 400	108 200 *	130 600 *	34,0
36,0	59,5	59,0	43 700	74 100	101 000 *	122 500 *	36,0
38,0	57,5	57,7	39 900	68 600	94 600 *	115 100 *	38,0
40,0	55,4	56,3	36 500	63 600	88 900 *	108 600 *	40,0
42,0	53,2	54,8	33 500	59 200	83 700 *	102 600 *	42,0
44,0	51,0	53,2	30 800	55 200	78 900 *	97 200 *	44,0
46,0	48,7	51,5	28 300	51 500	74 600 *	92 200 *	46,0
48,0	46,3	49,5	26 100	48 300	70 700 *	87 600 *	48,0
50,0	43,8	47,5	24 000	45 200	67 000 *	83 400 *	50,0
52,0	41,1	45,2	22 100	42 400	63 600 *	79 400 *	52,0
54,0	38,4	42,7	20 300	39 900	60 500 *	75 700 *	54,0
56,0	35,4	40,0	18 700	37 500	57 600 *	72 300 *	56,0
58,0	32,2	36,8	17 200	35 300	54 900	69 000 *	58,0
60,0	28,7	33,3	15 800	33 200	52 200	66 000 *	60,0
62,0	24,6	29,1	14 500	31 300	49 600	63 200 *	62,0
64,0	19,9	24,0	13 200	29 500	47 200	60 200 *	64,0

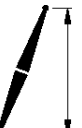
16000 MAX-ER

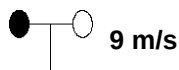
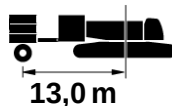
EN 13000



150 590 kg
+
54 430 kg



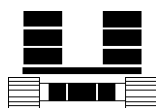
 m	 °	 m	 0 kg kg	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
11,6	82,9	74,0	168 500	227 800 *	227 800 *	227 800 *	11,6
12,0	82,6	73,9	162 700	227 800 *	227 800 *	227 800 *	12,0
14,0	81,0	73,6	138 600	218 800	225 200 *	225 200 *	14,0
16,0	79,3	73,2	120 100	189 800	221 500 *	221 500 *	16,0
18,0	77,7	72,8	105 400	168 000	215 800 *	217 800 *	18,0
20,0	76,1	72,3	93 500	150 300	195 200 *	214 200 *	20,0
22,0	74,4	71,7	83 600	135 600	176 300 *	207 900 *	22,0
24,0	72,7	71,1	75 200	123 200	160 500 *	190 600 *	24,0
26,0	71,1	70,4	68 100	112 600	147 000 *	174 600 *	26,0
28,0	69,4	69,6	61 900	103 400	135 300 *	161 000 *	28,0
30,0	67,6	68,8	56 500	95 100	124 700 *	149 300 *	30,0
32,0	65,9	67,9	51 700	86 900	115 600 *	139 000 *	32,0
34,0	64,1	66,9	47 300	79 700	107 500 *	129 800 *	34,0
36,0	62,3	65,9	43 000	73 400	100 300 *	121 700 *	36,0
38,0	60,5	64,8	39 200	67 900	93 900 *	114 400 *	38,0
40,0	58,6	63,5	35 900	62 900	88 100 *	107 800 *	40,0
42,0	56,7	62,2	32 800	58 500	82 900 *	101 800 *	42,0
44,0	54,8	60,8	30 100	54 500	78 200 *	96 400 *	44,0
46,0	52,8	59,3	27 600	50 900	73 900 *	91 400 *	46,0
48,0	50,7	57,7	25 400	47 500	69 900 *	86 800 *	48,0
50,0	48,6	55,9	23 300	44 500	66 300 *	82 600 *	50,0
52,0	46,4	54,0	21 400	41 800	62 900 *	78 700 *	52,0
54,0	44,2	52,0	19 700	39 200	59 800 *	75 000 *	54,0
56,0	41,8	49,8	18 000	36 800	56 900 *	71 500 *	56,0
58,0	39,3	47,3	16 500	34 600	54 200	68 400 *	58,0
60,0	36,6	44,7	15 100	32 500	51 600	65 400 *	60,0
62,0	33,8	41,8	13 800	30 600	49 000	62 600 *	62,0
64,0	30,7	38,5	12 600	28 900	46 600	59 900 *	64,0
66,0	27,4	34,7	11 400	27 100	44 300	57 400 *	66,0
68,0	23,5	30,4	10 300	25 600	42 200	55 100 *	68,0
70,0	19,0	25,0	9 300	24 000	40 200	52 100 *	70,0



 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	202 500	203 500 *	203 500 *	14,0
16,0	80,2	79,3	116 200	185 600	201 100 *	201 100 *	16,0
18,0	78,7	78,9	102 100	163 400	198 900 *	198 900 *	18,0
20,0	77,2	78,5	90 700	146 300	195 500 *	196 600 *	20,0
22,0	75,6	77,9	81 100	132 100	175 700 *	194 400 *	22,0
24,0	74,1	77,4	73 000	120 100	159 900 *	188 800 *	24,0
26,0	72,6	76,7	66 000	109 900	146 400 *	174 000 *	26,0
28,0	71,0	76,1	60 000	101 000	134 800 *	160 500 *	28,0
30,0	69,5	75,3	54 700	93 200	124 200 *	148 700 *	30,0
32,0	67,9	74,5	50 100	86 300	115 000 *	138 400 *	32,0
34,0	66,3	73,6	46 000	79 200	106 900 *	129 200 *	34,0
36,0	64,6	72,7	42 300	72 900	99 700 *	121 100 *	36,0
38,0	63,0	71,6	38 700	67 300	93 400 *	113 800 *	38,0
40,0	61,3	70,5	35 400	62 400	87 600 *	107 200 *	40,0
42,0	59,6	69,4	32 300	57 900	82 400 *	101 300 *	42,0
44,0	57,9	68,1	29 600	54 000	77 600 *	95 800 *	44,0
46,0	56,1	66,8	27 100	50 400	73 400 *	90 900 *	46,0
48,0	54,3	65,3	24 800	47 000	69 400 *	86 300 *	48,0
50,0	52,4	63,8	22 800	44 000	65 700 *	82 000 *	50,0
52,0	50,5	62,2	20 900	41 300	62 400 *	78 200 *	52,0
54,0	48,6	60,4	19 200	38 700	59 300 *	74 500 *	54,0
56,0	46,6	58,5	17 500	36 300	56 400 *	71 000 *	56,0
58,0	44,5	56,5	16 000	34 100	53 700	67 900 *	58,0
60,0	42,3	54,3	14 600	32 100	51 100	64 900 *	60,0
62,0	40,0	52,0	13 300	30 200	48 500	62 100 *	62,0
64,0	37,6	49,4	12 100	28 400	46 100	59 400 *	64,0
66,0	35,1	46,6	10 900	26 700	43 800	57 000 *	66,0
68,0	32,4	43,5	9 800	25 100	41 700	54 600 *	68,0
70,0	29,5	40,0	8 800	23 600	39 700	52 400 *	70,0
72,0	26,2	36,1	7 800	22 200	37 900	50 400 *	72,0
74,0	22,6	31,5	6 900	20 900	36 100	48 300 *	74,0
76,0	18,2	25,9	6 000	19 600	34 400	45 200 *	76,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



360°



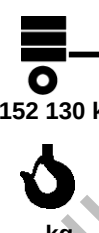
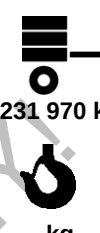
13,0 m



84,0 m



9 m/s

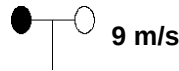
 m	 °	 m	 0 kg	 72 300 kg	 152 130 kg	 231 970 kg	 m
13,7	82,5	85,8	131 700	177 000 *	177 000 *	177 000 *	13,7
14,0	82,3	85,8	129 200	177 000 *	177 000 *	177 000 *	14,0
16,0	80,9	85,4	112 200	173 800	177 000 *	177 000 *	16,0
18,0	79,5	85,1	98 700	159 400	177 000 *	177 000 *	18,0
20,0	78,1	84,6	87 600	142 200	176 800 *	176 800 *	20,0
22,0	76,7	84,2	78 400	128 500	172 600 *	174 000 *	22,0
24,0	75,3	83,6	70 500	116 900	159 600 *	170 400 *	24,0
26,0	73,9	83,0	63 800	106 900	145 600 *	167 000 *	26,0
28,0	72,4	82,4	57 900	98 200	133 900 *	160 400 *	28,0
30,0	71,0	81,7	52 800	90 600	123 400 *	147 900 *	30,0
32,0	69,5	81,0	48 200	83 900	114 200 *	137 500 *	32,0
34,0	68,1	80,2	44 200	77 900	106 200 *	128 400 *	34,0
36,0	66,6	79,3	40 600	72 200	99 000 *	120 300 *	36,0
38,0	65,1	78,3	37 300	66 600	92 600 *	113 000 *	38,0
40,0	63,5	77,3	34 300	61 600	86 800 *	106 400 *	40,0
42,0	62,0	76,3	31 600	57 200	81 600 *	100 400 *	42,0
44,0	60,4	75,2	28 800	53 200	76 900 *	95 000 *	44,0
46,0	58,8	73,9	26 300	49 500	72 500 *	90 000 *	46,0
48,0	57,2	72,7	24 100	46 200	68 600 *	85 400 *	48,0
50,0	55,6	71,3	22 000	43 200	65 000 *	81 200 *	50,0
52,0	53,9	69,8	20 100	40 400	61 600 *	77 300 *	52,0
54,0	52,1	68,3	18 300	37 900	58 500 *	73 700 *	54,0
56,0	50,4	66,6	16 800	35 500	55 600 *	70 300 *	56,0
58,0	48,6	64,9	15 300	33 300	52 900	67 100 *	58,0
60,0	46,7	63,0	13 800	31 300	50 300	64 100 *	60,0
62,0	44,8	61,0	12 500	29 400	47 700	61 300 *	62,0
64,0	42,8	58,8	11 300	27 600	45 300	58 700 *	64,0
66,0	40,7	56,5	10 200	25 900	43 100	56 200 *	66,0
68,0	38,5	54,0	9 100	24 300	41 000	53 900 *	68,0
70,0	36,2	51,3	8 100	22 900	39 000	51 700 *	70,0
72,0	33,8	48,4	7 100	21 500	37 100	49 600 *	72,0
74,0	31,2	45,2	6 200	20 100	35 400	47 700 *	74,0
76,0	28,4	41,5	5 300	18 900	33 700	45 800 *	76,0
80,0	21,7	32,7	3 700	16 400 *	30 500	42 000 *	80,0

16000 MAX-ER

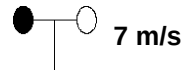
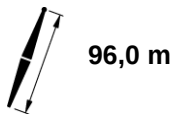
EN 13000

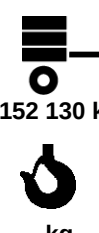
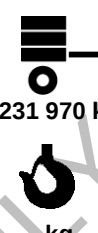


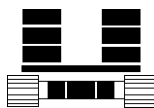
150 590 kg
+
54 430 kg



 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
13,7	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	138 800	148 400 *	148 400 *	20,0
22,0	77,6	90,3	76 100	125 300	147 800 *	147 800 *	22,0
24,0	76,3	89,8	68 500	114 100	145 300 *	145 300 *	24,0
26,0	75,0	89,3	61 900	104 400	142 300 *	142 400 *	26,0
28,0	73,6	88,7	56 200	96 000	133 800 *	139 700 *	28,0
30,0	72,3	88,1	51 200	88 500	123 000 *	137 000 *	30,0
32,0	71,0	87,4	46 800	82 000	113 800 *	134 400 *	32,0
34,0	69,6	86,6	42 800	76 100	105 700 *	128 200 *	34,0
36,0	68,2	85,8	39 300	70 900	98 500 *	119 800 *	36,0
38,0	66,8	85,0	36 100	66 200	92 100 *	112 500 *	38,0
40,0	65,4	84,0	33 200	61 200	86 400 *	105 900 *	40,0
42,0	64,0	83,1	30 500	56 800	81 200 *	100 000 *	42,0
44,0	62,6	82,0	28 100	52 800	76 500 *	94 500 *	44,0
46,0	61,1	80,9	25 900	49 200	72 100 *	89 600 *	46,0
48,0	59,7	79,8	23 700	45 900	68 200 *	85 000 *	48,0
50,0	58,2	78,5	21 600	42 800	64 600 *	80 800 *	50,0
52,0	56,6	77,2	19 700	40 000	61 200 *	76 900 *	52,0
54,0	55,1	75,8	18 000	37 500	58 100 *	73 300 *	54,0
56,0	53,5	74,3	16 300	35 100	55 200 *	69 900 *	56,0
58,0	51,9	72,8	14 900	32 900	52 500	66 700 *	58,0
60,0	50,2	71,1	13 500	30 900	49 900	63 700 *	60,0
62,0	48,5	69,3	12 200	29 000	47 300	60 900 *	62,0
64,0	46,8	67,5	10 900	27 200	45 000	58 300 *	64,0
66,0	45,0	65,5	9 800	25 600	42 700	55 800 *	66,0
68,0	43,1	63,3	8 700	24 000	40 600	53 500 *	68,0
70,0	41,2	61,1	7 700	22 500	38 600	51 300 *	70,0
72,0	39,2	58,7	6 700	21 100	36 800	49 200 *	72,0
74,0	37,1	56,0	5 800	19 800	35 000	47 300 *	74,0
76,0	34,9	53,2	5 000	18 500	33 300	45 400 *	76,0
80,0	30,1	46,8		16 100 *	30 200	42 000 *	80,0
84,0	24,4	38,7		13 800 *	27 200 *	38 800 *	84,0
88,0	16,9	27,6		11 600 *	24 400 *	33 800 *	88,0



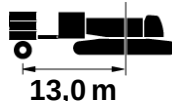
 m	 °	 m	 kg	 kg	 kg	 m
15,2	82,5	97,7	126 900 *	126 900 *	126 900 *	15,2
16,0	82,0	97,6	126 900 *	126 900 *	126 900 *	16,0
18,0	80,8	97,2	126 900 *	126 900 *	126 900 *	18,0
20,0	79,6	96,9	126 700	126 900 *	126 900 *	20,0
22,0	78,4	96,5	122 900	126 900 *	126 900 *	22,0
24,0	77,2	96,0	110 900	126 900 *	126 900 *	24,0
26,0	75,9	95,5	101 500	126 900 *	126 900 *	26,0
28,0	74,7	95,0	93 300	126 800 *	126 800 *	28,0
30,0	73,4	94,4	86 000	122 700 *	126 600 *	30,0
32,0	72,2	93,7	79 600	113 000 *	125 800 *	32,0
34,0	70,9	93,0	73 900	104 900 *	124 600 *	34,0
36,0	69,7	92,3	68 800	97 700 *	119 400 *	36,0
38,0	68,4	91,5	64 100	91 200 *	111 600 *	38,0
40,0	67,1	90,6	59 900	85 500 *	105 000 *	40,0
42,0	65,8	89,7	55 900	80 300 *	99 000 *	42,0
44,0	64,4	88,8	51 900	75 600 *	93 600 *	44,0
46,0	63,1	87,8	48 300	71 300 *	88 600 *	46,0
48,0	61,7	86,7	45 000	67 300 *	84 100 *	48,0
50,0	60,4	85,5	41 900	63 600 *	79 900 *	50,0
52,0	59,0	84,3	39 200	60 300 *	76 000 *	52,0
54,0	57,6	83,1	36 600	57 200 *	72 400 *	54,0
56,0	56,1	81,7	34 200	54 300 *	69 000 *	56,0
58,0	54,7	80,3	32 000	51 600	65 800 *	58,0
60,0	53,2	78,8	30 000	49 000	62 800 *	60,0
62,0	51,7	77,2	28 100	46 400	60 000 *	62,0
64,0	50,1	75,6	26 300	44 000	57 400 *	64,0
66,0	48,5	73,8	24 700	41 800	55 000 *	66,0
68,0	46,9	71,9	23 100	39 700	52 600 *	68,0
70,0	45,2	70,0	21 600	37 700	50 500 *	70,0
72,0	43,5	67,9	20 200	35 900	48 400 *	72,0
74,0	41,7	65,6	18 900	34 100	46 400 *	74,0
76,0	39,8	63,3	17 600 *	32 400	44 600 *	76,0
80,0	35,9	58,0	15 100 *	29 200 *	41 200 *	80,0
84,0	31,5	51,8	12 800 *	26 200 *	38 100 *	84,0
88,0	26,4	44,4	10 700 *	23 500 *	35 200 *	88,0
92,0	20,2	34,8	8 700 *	21 000 *	30 900 *	92,0



150 590 kg
+
54 430 kg



360°



13,0 m



102,0 m

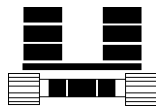


7 m/s

 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	106 800	107 600 *	107 600 *	24,0
26,0	76,8	101,7	99 000	107 500 *	107 500 *	26,0
28,0	75,6	101,2	91 000	107 300 *	107 300 *	28,0
30,0	74,4	100,6	83 900	106 500 *	106 500 *	30,0
32,0	73,3	100,0	77 700	105 800 *	105 800 *	32,0
34,0	72,1	99,4	72 100	104 200 *	105 000 *	34,0
36,0	70,9	98,7	67 100	97 300 *	104 200 *	36,0
38,0	69,7	97,9	62 500	90 700 *	103 500 *	38,0
40,0	68,5	97,1	58 400	85 000 *	102 500 *	40,0
42,0	67,3	96,3	54 600	79 800 *	98 800 *	42,0
44,0	66,1	95,4	51 200	75 100 *	93 100 *	44,0
46,0	64,8	94,5	47 800	70 700 *	88 100 *	46,0
48,0	63,6	93,5	44 400	66 800 *	83 600 *	48,0
50,0	62,3	92,4	41 400	63 100 *	79 300 *	50,0
52,0	61,0	91,3	38 600	59 800 *	75 400 *	52,0
54,0	59,7	90,2	36 100	56 700 *	71 900 *	54,0
56,0	58,4	88,9	33 700	53 800 *	68 500 *	56,0
58,0	57,0	87,6	31 500	51 100	65 300 *	58,0
60,0	55,7	86,2	29 500	48 500	62 300 *	60,0
62,0	54,3	84,8	27 600	45 900	59 500 *	62,0
64,0	52,9	83,3	25 800	43 500	56 900 *	64,0
66,0	51,5	81,7	24 100	41 300	54 500 *	66,0
68,0	50,0	80,0	22 600	39 200	52 100 *	68,0
70,0	48,5	78,3	21 100	37 200	50 000 *	70,0
72,0	47,0	76,4	19 700	35 400	47 900 *	72,0
74,0	45,4	74,4	18 300 *	33 600	45 900 *	74,0
76,0	43,8	72,4	17 000 *	31 900	44 100 *	76,0
80,0	40,4	67,8	14 500 *	28 700 *	40 700 *	80,0
84,0	36,7	62,7	12 200 *	25 700 *	37 600 *	84,0
88,0	32,7	56,8	10 100 *	23 000 *	34 800 *	88,0
92,0	28,2	49,8	8 200 *	20 500 *	32 200 *	92,0
96,0	22,8	41,1	6 400 *	18 200 *	28 600 *	96,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



360°



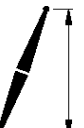
13,0 m

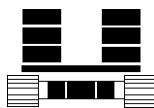


108,0 m



7 m/s

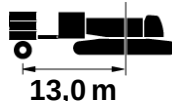
 m	 °	 m	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
16,8	82,5	109,6	93 000 *	93 000 *	93 000 *	16,8
18,0	81,8	109,4	92 900 *	92 900 *	92 900 *	18,0
20,0	80,8	109,1	92 900 *	92 900 *	92 900 *	20,0
22,0	79,7	108,7	92 800 *	92 800 *	92 800 *	22,0
24,0	78,6	108,3	92 700 *	92 700 *	92 700 *	24,0
26,0	77,5	107,9	92 300	92 400 *	92 400 *	26,0
28,0	76,4	107,4	88 900	91 700 *	91 700 *	28,0
30,0	75,3	106,9	81 500	91 000 *	91 000 *	30,0
32,0	74,2	106,3	75 400	90 400 *	90 400 *	32,0
34,0	73,1	105,7	70 000	89 700 *	89 700 *	34,0
36,0	72,0	105,0	65 000	89 000 *	89 000 *	36,0
38,0	70,9	104,3	60 600	88 300 *	88 300 *	38,0
40,0	69,8	103,6	56 500	84 300 *	87 600 *	40,0
42,0	68,6	102,8	52 800	78 900 *	87 000 *	42,0
44,0	67,5	102,0	49 400	74 200 *	86 300 *	44,0
46,0	66,3	101,1	46 300	69 900 *	85 500 *	46,0
48,0	65,1	100,2	43 400	65 900 *	83 000 *	48,0
50,0	64,0	99,2	40 600	62 300 *	78 500 *	50,0
52,0	62,8	98,2	37 800	59 000 *	74 600 *	52,0
54,0	61,6	97,1	35 200	55 900 *	71 000 *	54,0
56,0	60,3	95,9	32 800	53 000 *	67 600 *	56,0
58,0	59,1	94,7	30 700	50 300	64 500 *	58,0
60,0	57,8	93,5	28 600	47 600	61 500 *	60,0
62,0	56,6	92,2	26 700	45 000	58 700 *	62,0
64,0	55,3	90,8	24 900	42 600	56 100 *	64,0
66,0	54,0	89,3	23 200	40 400	53 600 *	66,0
68,0	52,6	87,8	21 700	38 300	51 300 *	68,0
70,0	51,3	86,2	20 200	36 300	49 100 *	70,0
72,0	49,9	84,5	18 700 *	34 500	47 100 *	72,0
74,0	48,5	82,8	17 300 *	32 700 *	45 100 *	74,0
76,0	47,0	80,9	15 900 *	30 900 *	43 300 *	76,0
80,0	44,0	76,9	13 400 *	27 600 *	39 900 *	80,0
84,0	40,8	72,4	11 200 *	24 700 *	36 800 *	84,0
88,0	37,4	67,4	9 100 *	22 000 *	34 000 *	88,0
92,0	33,7	61,7	7 200 *	19 500 *	31 400 *	92,0
96,0	29,6	55,0	5 400 *	17 200 *	28 900 *	96,0
100,0	24,9	47,0	3 900 *	15 100 *	25 900 *	100,0
104,0	19,0	36,8		13 100 *	22 000 *	104,0



150 590 kg
+
54 430 kg



360°



13,0 m



114,0 m



7 m/s

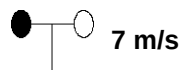
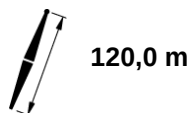
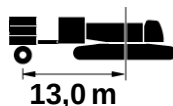
 m	 °	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
16,8	82,9	115,7	79 700 *	79 700 *	79 700 *	16,8
18,0	82,3	115,5	79 700 *	79 700 *	79 700 *	18,0
20,0	81,3	115,2	79 500 *	79 500 *	79 500 *	20,0
22,0	80,2	114,8	79 500 *	79 500 *	79 500 *	22,0
24,0	79,2	114,4	79 300 *	79 300 *	79 300 *	24,0
26,0	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	73 500	77 000 *	77 000 *	32,0
34,0	74,0	111,9	68 100	76 300 *	76 300 *	34,0
36,0	73,0	111,3	63 300	75 700 *	75 700 *	36,0
38,0	71,9	110,7	58 900	75 100 *	75 100 *	38,0
40,0	70,9	110,0	54 900	74 500 *	74 500 *	40,0
42,0	69,8	109,2	51 200	73 900 *	73 900 *	42,0
44,0	68,7	108,5	47 900	73 200 *	73 300 *	44,0
46,0	67,6	107,6	44 800	69 300 *	72 700 *	46,0
48,0	66,5	106,8	42 000	65 300 *	72 100 *	48,0
50,0	65,4	105,9	39 400	61 700 *	71 400 *	50,0
52,0	64,3	104,9	37 000	58 400 *	70 800 *	52,0
54,0	63,2	103,9	34 600	55 300 *	69 900 *	54,0
56,0	62,0	102,8	32 200	52 400 *	67 100 *	56,0
58,0	60,9	101,7	30 100	49 700	63 900 *	58,0
60,0	59,7	100,5	28 000	47 000	60 900 *	60,0
62,0	58,6	99,3	26 100	44 500	58 100 *	62,0
64,0	57,4	98,0	24 300	42 100	55 500 *	64,0
66,0	56,1	96,7	22 700	39 800	53 000 *	66,0
68,0	54,9	95,3	21 100	37 700	50 700 *	68,0
70,0	53,7	93,8	19 500 *	35 700	48 600 *	70,0
72,0	52,4	92,3	18 000 *	33 800 *	46 500 *	72,0
74,0	51,1	90,7	16 500 *	32 000 *	44 600 *	74,0
76,0	49,8	89,0	15 200 *	30 200 *	42 700 *	76,0
80,0	47,1	85,4	12 700 *	26 900 *	39 300 *	80,0
84,0	44,3	81,4	10 500 *	24 000 *	36 200 *	84,0
88,0	41,3	77,0	8 400 *	21 300 *	33 400 *	88,0
92,0	38,1	72,0	6 500 *	18 800 *	30 900 *	92,0
96,0	34,6	66,5	4 800 *	16 600 *	28 300 *	96,0
100,0	30,8	60,1		14 500 *	25 700 *	100,0
104,0	26,6	52,6		12 500 *	23 300 *	104,0
108,0	21,5	43,4		10 700 *	16 900 *	108,0

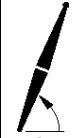
16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



 m	 o	 m	 152 130 kg  kg	 231 970 kg  kg	 m
18,3	82,5	121,5	68 900 *	68 900 *	18,3
20,0	81,7	121,2	68 800 *	68 800 *	20,0
22,0	80,7	120,9	68 800 *	68 800 *	22,0
24,0	79,8	120,6	68 600 *	68 600 *	24,0
26,0	78,8	120,2	68 200 *	68 200 *	26,0
28,0	77,8	119,7	67 700 *	67 700 *	28,0
30,0	76,8	119,2	67 100 *	67 100 *	30,0
32,0	75,8	118,7	66 500 *	66 500 *	32,0
34,0	74,9	118,2	66 000 *	66 000 *	34,0
36,0	73,9	117,6	65 000 *	65 000 *	36,0
38,0	72,9	117,0	63 500 *	63 500 *	38,0
40,0	71,9	116,3	62 300 *	62 300 *	40,0
42,0	70,8	115,6	61 100 *	61 100 *	42,0
44,0	69,8	114,9	59 900 *	59 900 *	44,0
46,0	68,8	114,1	58 800 *	58 800 *	46,0
48,0	67,8	113,3	57 600 *	57 600 *	48,0
50,0	66,7	112,4	56 400 *	56 400 *	50,0
52,0	65,7	111,5	55 200 *	55 200 *	52,0
54,0	64,6	110,6	53 800 *	54 000 *	54,0
56,0	63,6	109,6	51 500 *	52 800 *	56,0
58,0	62,5	108,6	48 700	51 600 *	58,0
60,0	61,4	107,5	45 900	50 400 *	60,0
62,0	60,3	106,3	43 400	49 200 *	62,0
64,0	59,2	105,1	41 000	48 000 *	64,0
66,0	58,1	103,9	38 700	46 800 *	66,0
68,0	56,9	102,6	36 600 *	45 700 *	68,0
70,0	55,8	101,2	34 500 *	44 500 *	70,0
72,0	54,6	99,8	32 500 *	43 300 *	72,0
74,0	53,4	98,3	30 700 *	42 100 *	74,0
76,0	52,2	96,8	28 900 *	40 900 *	76,0
80,0	49,7	93,5	25 700 *	38 300 *	80,0
84,0	47,1	89,8	22 700 *	35 200 *	84,0
88,0	44,5	85,9	20 000 *	32 400 *	88,0
92,0	41,6	81,5	17 600 *	29 800 *	92,0
96,0	38,6	76,7	15 300 *	27 000 *	96,0
100,0	35,4	71,3	13 200 *	24 400 *	100,0
104,0	31,9	65,1	11 300 *	22 100 *	104,0
108,0	28,0	58,0	9 500 *	19 800 *	108,0
112,0	23,5	49,5	7 800 *	17 300 *	112,0
116,0	18,0	38,7	6 200 *	14 000 *	116,0