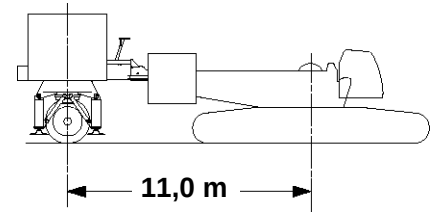


Liftcrane Boom Capacities

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 11,0 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 Degree Rating

 Wheeled Counterweight
Position From Axis of
Rotation

Explanation of Symbols

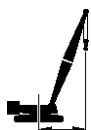
(continued)



Boom Length



Maximum Wind Speed
(see page 1)



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



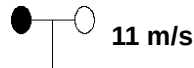
Wheeled Counterweight



Lifting Capacities
(see page 1)



150 590 kg
+
54 430 kg



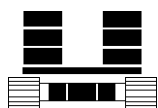
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
7,9	82,8	44,2	319 800	379 800 *	379 800 *	379 800 *	7,9
8,0	82,7	44,2	316 600	379 100 *	379 800 *	379 800 *	8,0
9,0	81,3	44,0	276 400	357 100 *	379 800 *	379 800 *	9,0
10,0	80,0	43,8	245 000	320 300 *	373 900 *	379 800 *	10,0
11,0	78,6	43,6	219 600	291 500 *	344 500 *	379 700 *	11,0
12,0	77,2	43,4	198 700	267 200 *	316 000 *	366 500 *	12,0
14,0	74,3	42,8	166 200	228 500 *	270 600 *	312 500 *	14,0
16,0	71,4	42,1	142 200	198 600 *	236 200 *	273 000 *	16,0
18,0	68,5	41,3	123 800	173 700 *	209 200 *	242 100 *	18,0
20,0	65,5	40,4	107 800	154 100 *	187 400 *	217 100 *	20,0
22,0	62,4	39,4	93 900	138 200 *	169 400 *	196 500 *	22,0
24,0	59,3	38,2	82 900	125 000 *	154 300 *	179 200 *	24,0
26,0	56,0	36,8	73 800	113 000	141 200 *	164 600 *	26,0
28,0	52,5	35,3	66 200	102 100	129 700 *	151 900 *	28,0
30,0	48,9	33,6	59 700	92 900	119 700 *	140 900 *	30,0
32,0	45,1	31,6	54 200	85 000	111 000 *	131 200 *	32,0
34,0	41,0	29,3	49 300	78 100	103 300 *	122 700 *	34,0
36,0	36,5	26,7	45 100	72 100	96 500 *	115 100 *	36,0
38,0	31,4	23,5	41 300	66 700	90 400 *	108 200 *	38,0
40,0	25,3	19,6	37 900	62 000	84 900 *	99 600 *	40,0

16000 MAX-ER

EN 13000



58 HL



150 590 kg
+
54 430 kg



360°



11,0 m



48,0 m

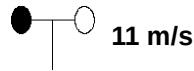
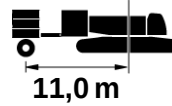


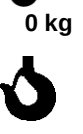
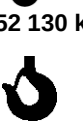
11 m/s

 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	320 900 *	340 000 *	340 000 *	10,0
11,0	80,0	49,7	210 100	291 000 *	339 400 *	340 000 *	11,0
12,0	78,8	49,5	190 700	266 700 *	316 000 *	340 000 *	12,0
14,0	76,3	49,0	160 200	228 000 *	270 100 *	313 400 *	14,0
16,0	73,8	48,5	137 500	198 100 *	235 700 *	272 500 *	16,0
18,0	71,3	47,8	119 900	173 300 *	208 700 *	241 600 *	18,0
20,0	68,8	47,0	105 800	153 700 *	186 900 *	216 600 *	20,0
22,0	66,2	46,1	93 900	137 800 *	168 900 *	196 000 *	22,0
24,0	63,5	45,1	82 700	124 600 *	153 800 *	178 700 *	24,0
26,0	60,7	44,0	73 500	112 700	140 800 *	164 100 *	26,0
28,0	57,9	42,7	65 900	101 900	129 200 *	151 400 *	28,0
30,0	55,0	41,3	59 400	92 600	119 200 *	140 400 *	30,0
32,0	52,0	39,8	53 800	84 700	110 600 *	130 700 *	32,0
34,0	48,8	38,0	49 000	77 800	102 900 *	122 200 *	34,0
36,0	45,5	36,1	44 800	71 800	96 100 *	114 600 *	36,0
38,0	42,0	33,9	41 000	66 400	90 000 *	107 700 *	38,0
40,0	38,1	31,4	37 600	61 700	84 500 *	101 600 *	40,0
42,0	33,9	28,5	34 600	57 400	79 600 *	96 000 *	42,0
44,0	29,2	25,1	31 900	53 500	75 100 *	90 800 *	44,0
46,0	23,5	20,8	29 400	50 000	70 900 *	84 000 *	46,0



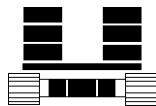
150 590 kg
+
54 430 kg



 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	310 600 *	312 200 *	312 200 *	10,0
11,0	81,1	55,8	201 100	290 300 *	311 600 *	311 600 *	11,0
12,0	80,1	55,7	183 000	266 000 *	310 600 *	311 400 *	12,0
14,0	77,9	55,2	154 400	227 400 *	269 500 *	308 300 *	14,0
16,0	75,7	54,7	132 800	197 500 *	235 100 *	272 700 *	16,0
18,0	73,5	54,1	116 000	172 800 *	208 000 *	240 900 *	18,0
20,0	71,2	53,4	102 600	153 200 *	186 300 *	216 000 *	20,0
22,0	69,0	52,7	91 500	137 200 *	168 300 *	195 400 *	22,0
24,0	66,7	51,8	82 100	124 000 *	153 200 *	178 100 *	24,0
26,0	64,3	50,8	73 200	112 400	140 200 *	163 400 *	26,0
28,0	61,9	49,8	65 500	101 500	128 700 *	150 800 *	28,0
30,0	59,4	48,6	59 000	92 200	118 700 *	139 800 *	30,0
32,0	56,9	47,3	53 400	84 300	110 100 *	130 100 *	32,0
34,0	54,3	45,8	48 600	77 400	102 400 *	121 600 *	34,0
36,0	51,6	44,2	44 300	71 300	95 600 *	114 000 *	36,0
38,0	48,8	42,5	40 500	66 000	89 500 *	107 200 *	38,0
40,0	45,8	40,6	37 200	61 200	84 000 *	101 000 *	40,0
42,0	42,7	38,4	34 200	57 000	79 100 *	95 400 *	42,0
44,0	39,4	36,0	31 500	53 100	74 600 *	90 300 *	44,0
46,0	35,8	33,3	29 000	49 600	70 500 *	85 600 *	46,0
48,0	31,9	30,2	26 700	46 400	66 700 *	81 300 *	48,0
50,0	27,4	26,5	24 600	43 500	63 200 *	77 200 *	50,0
52,0	22,1	21,9	22 700	40 800	60 000 *	71 400 *	52,0

16000 MAX-ER

EN 13000



150 590 kg
+
54 430 kg



60,0 m

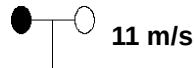


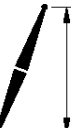
11 m/s

 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	282 300	282 600 *	282 600 *	11,0
12,0	81,1	61,8	175 700	261 500	282 400 *	282 400 *	12,0
14,0	79,1	61,4	148 700	222 600	270 800 *	277 800 *	14,0
16,0	77,2	60,9	128 300	193 300	234 300 *	268 100 *	16,0
18,0	75,2	60,4	112 200	170 400	207 300 *	241 000 *	18,0
20,0	73,2	59,8	99 300	151 800	185 500 *	215 200 *	20,0
22,0	71,2	59,1	88 600	136 500	167 600 *	194 700 *	22,0
24,0	69,1	58,3	79 700	123 400 *	152 500 *	177 400 *	24,0
26,0	67,0	57,5	72 100	111 900	139 600 *	162 800 *	26,0
28,0	64,9	56,5	65 100	100 900	128 100 *	150 100 *	28,0
30,0	62,8	55,5	58 500	91 700	118 100 *	139 100 *	30,0
32,0	60,6	54,4	52 900	83 700	109 400 *	129 500 *	32,0
34,0	58,4	53,1	48 000	76 900	101 700 *	120 900 *	34,0
36,0	56,1	51,8	43 800	70 800	94 900 *	113 300 *	36,0
38,0	53,7	50,3	40 000	65 400	88 900 *	106 500 *	38,0
40,0	51,2	48,7	36 600	60 700	83 400 *	100 300 *	40,0
42,0	48,7	47,0	33 600	56 400	78 500 *	94 700 *	42,0
44,0	46,1	45,1	30 900	52 600	73 900 *	89 600 *	44,0
46,0	43,3	43,0	28 400	49 100	69 800 *	85 000 *	46,0
48,0	40,4	40,6	26 200	45 900	66 100 *	80 700 *	48,0
50,0	37,2	38,0	24 100	42 900	62 600 *	76 600 *	50,0
52,0	33,9	35,1	22 200	40 300	59 400 *	72 900 *	52,0
54,0	30,1	31,8	20 400	37 700	56 400	69 400 *	54,0
56,0	25,9	27,8	18 800	35 400	53 500	66 000 *	56,0
58,0	20,9	23,0	17 200	33 300	50 600	61 100 *	58,0



150 590 kg
+
54 430 kg



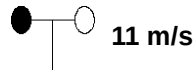
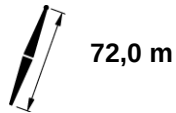
 m	 °	 m	 kg	 kg	 kg	 kg	 m
11,0	82,8	68,0	185 500	251 100 *	251 100 *	251 100 *	11,0
12,0	81,9	67,8	169 200	248 900	251 100 *	251 100 *	12,0
14,0	80,1	67,5	143 800	215 600	250 300 *	250 400 *	14,0
16,0	78,3	67,1	124 400	187 800	236 900 *	245 800 *	16,0
18,0	76,6	66,6	109 100	165 900	207 000 *	238 000 *	18,0
20,0	74,8	66,0	96 700	148 100	185 300 *	215 000 *	20,0
22,0	72,9	65,4	86 400	133 400	167 300 *	194 400 *	22,0
24,0	71,1	64,7	77 700	121 100	152 200 *	177 200 *	24,0
26,0	69,3	64,0	70 400	110 600	139 400 *	162 500 *	26,0
28,0	67,4	63,1	64 000	101 100	127 800 *	149 900 *	28,0
30,0	65,5	62,2	58 300	91 600	117 900 *	138 900 *	30,0
32,0	63,5	61,2	52 800	83 700	109 200 *	129 200 *	32,0
34,0	61,5	60,1	47 900	76 800	101 600 *	120 700 *	34,0
36,0	59,5	59,0	43 700	70 700	94 800 *	113 100 *	36,0
38,0	57,5	57,7	39 900	65 300	88 700 *	106 300 *	38,0
40,0	55,4	56,3	36 500	60 600	83 200 *	100 100 *	40,0
42,0	53,2	54,8	33 500	56 300	78 300 *	94 500 *	42,0
44,0	51,0	53,2	30 800	52 500	73 800 *	89 500 *	44,0
46,0	48,7	51,5	28 300	49 000	69 700 *	84 800 *	46,0
48,0	46,3	49,5	26 100	45 800	65 900 *	80 500 *	48,0
50,0	43,8	47,5	24 000	42 900	62 500 *	76 500 *	50,0
52,0	41,1	45,2	22 100	40 200	59 300 *	72 700 *	52,0
54,0	38,4	42,7	20 300	37 700	56 300	69 300 *	54,0
56,0	35,4	40,0	18 700	35 400	53 400	66 000 *	56,0
58,0	32,2	36,8	17 200	33 300	50 600	63 100 *	58,0
60,0	28,7	33,3	15 800	31 300	48 000	60 200 *	60,0
62,0	24,6	29,1	14 500	29 400	45 600	57 300 *	62,0
64,0	19,9	24,0	13 200	27 700	43 300	53 000 *	64,0

16000 MAX-ER

EN 13000



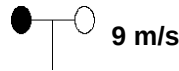
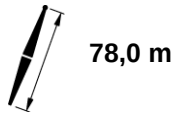
150 590 kg
+
54 430 kg

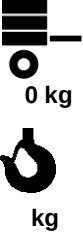
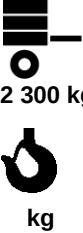
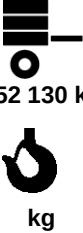


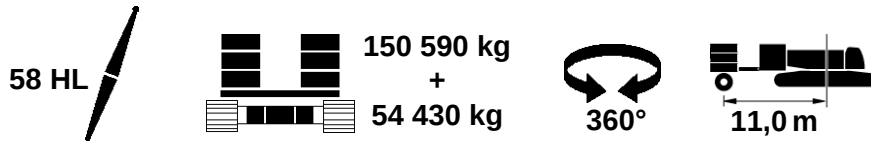
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
11,6	82,9	74,0	168 500	227 800 *	227 800 *	227 800 *	11,6
12,0	82,6	73,9	162 700	227 800 *	227 800 *	227 800 *	12,0
14,0	81,0	73,6	138 600	209 200	225 200 *	225 200 *	14,0
16,0	79,3	73,2	120 100	181 900	221 500 *	221 500 *	16,0
18,0	77,7	72,8	105 400	160 900	207 200 *	217 800 *	18,0
20,0	76,1	72,3	93 500	143 900	184 500 *	213 300 *	20,0
22,0	74,4	71,7	83 600	129 700	166 500 *	193 800 *	22,0
24,0	72,7	71,1	75 200	117 800	151 400 *	176 300 *	24,0
26,0	71,1	70,4	68 100	107 600	138 600 *	161 700 *	26,0
28,0	69,4	69,6	61 900	98 800	127 100 *	149 000 *	28,0
30,0	67,6	68,8	56 500	90 800	117 200 *	138 100 *	30,0
32,0	65,9	67,9	51 700	83 000	108 500 *	128 500 *	32,0
34,0	64,1	66,9	47 300	76 100	100 800 *	119 900 *	34,0
36,0	62,3	65,9	43 000	70 000	94 000 *	112 300 *	36,0
38,0	60,5	64,8	39 200	64 700	87 900 *	105 500 *	38,0
40,0	58,6	63,5	35 900	59 900	82 500 *	99 400 *	40,0
42,0	56,7	62,2	32 800	55 600	77 500 *	93 800 *	42,0
44,0	54,8	60,8	30 100	51 800	73 000 *	88 700 *	44,0
46,0	52,8	59,3	27 600	48 200	69 000 *	84 100 *	46,0
48,0	50,7	57,7	25 400	45 000	65 200 *	79 700 *	48,0
50,0	48,6	55,9	23 300	42 100	61 800 *	75 800 *	50,0
52,0	46,4	54,0	21 400	39 500	58 600 *	72 000 *	52,0
54,0	44,2	52,0	19 700	37 000	55 600	68 600 *	54,0
56,0	41,8	49,8	18 000	34 700	52 700	65 400 *	56,0
58,0	39,3	47,3	16 500	32 600	49 900	62 400 *	58,0
60,0	36,6	44,7	15 100	30 600	47 300	59 600 *	60,0
62,0	33,8	41,8	13 800	28 800	44 900	56 900 *	62,0
64,0	30,7	38,5	12 600	27 000	42 600	54 500 *	64,0
66,0	27,4	34,7	11 400	25 400	40 500	52 200 *	66,0
68,0	23,5	30,4	10 300	23 800	38 500	49 400 *	68,0
70,0	19,0	25,0	9 300	22 400	36 600	45 500 *	70,0

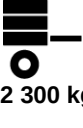
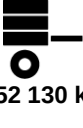


150 590 kg
+
54 430 kg



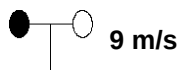
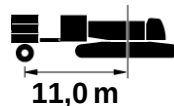
 m	 °	 m	 0 kg kg	 72 300 kg kg	 152 130 kg kg	 231 970 kg kg	 m
12,2	83,0	79,9	154 100	205 100 *	205 100 *	205 100 *	12,2
14,0	81,7	79,7	133 800	201 600	203 500 *	203 500 *	14,0
16,0	80,2	79,3	116 200	176 800	201 100 *	201 100 *	16,0
18,0	78,7	78,9	102 100	156 500	198 900 *	198 900 *	18,0
20,0	77,2	78,5	90 700	140 100	184 100 *	196 600 *	20,0
22,0	75,6	77,9	81 100	126 400	165 900 *	191 800 *	22,0
24,0	74,1	77,4	73 000	114 800	150 900 *	176 200 *	24,0
26,0	72,6	76,7	66 000	104 900	138 100 *	161 100 *	26,0
28,0	71,0	76,1	60 000	96 300	126 600 *	148 500 *	28,0
30,0	69,5	75,3	54 700	88 800	116 600 *	137 500 *	30,0
32,0	67,9	74,5	50 100	82 200	107 900 *	127 900 *	32,0
34,0	66,3	73,6	46 000	75 600	100 300 *	119 400 *	34,0
36,0	64,6	72,7	42 300	69 500	93 500 *	111 800 *	36,0
38,0	63,0	71,6	38 700	64 200	87 400 *	104 900 *	38,0
40,0	61,3	70,5	35 400	59 400	81 900 *	98 800 *	40,0
42,0	59,6	69,4	32 300	55 100	77 000 *	93 200 *	42,0
44,0	57,9	68,1	29 600	51 200	72 500 *	88 100 *	44,0
46,0	56,1	66,8	27 100	47 700	68 400 *	83 500 *	46,0
48,0	54,3	65,3	24 800	44 500	64 700 *	79 200 *	48,0
50,0	52,4	63,8	22 800	41 600	61 200 *	75 200 *	50,0
52,0	50,5	62,2	20 900	38 900	58 000 *	71 500 *	52,0
54,0	48,6	60,4	19 200	36 500	55 100	68 100 *	54,0
56,0	46,6	58,5	17 500	34 200	52 200	64 900 *	56,0
58,0	44,5	56,5	16 000	32 100	49 400	61 900 *	58,0
60,0	42,3	54,3	14 600	30 100	46 800	59 100 *	60,0
62,0	40,0	52,0	13 300	28 300	44 400	56 500 *	62,0
64,0	37,6	49,4	12 100	26 500	42 100	54 000 *	64,0
66,0	35,1	46,6	10 900	24 900	40 100	51 700 *	66,0
68,0	32,4	43,5	9 800	23 400	38 000	49 600 *	68,0
70,0	29,5	40,0	8 800	22 000	36 200	47 500 *	70,0
72,0	26,2	36,1	7 800	20 600	34 400	45 400 *	72,0
74,0	22,6	31,5	6 900	19 300	32 700	42 300 *	74,0
76,0	18,2	25,9	6 000	18 100	31 100	39 000 *	76,0



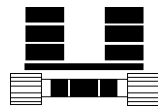
 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
13,7	82,5	85,8	131 700	177 000 *	177 000 *	177 000 *	13,7
14,0	82,3	85,8	129 200	177 000 *	177 000 *	177 000 *	14,0
16,0	80,9	85,4	112 200	170 200	177 000 *	177 000 *	16,0
18,0	79,5	85,1	98 700	152 000	177 000 *	177 000 *	18,0
20,0	78,1	84,6	87 600	136 100	176 200 *	176 800 *	20,0
22,0	76,7	84,2	78 400	122 800	166 000 *	174 000 *	22,0
24,0	75,3	83,6	70 500	111 600	150 000 *	170 400 *	24,0
26,0	73,9	83,0	63 800	102 000	137 200 *	160 300 *	26,0
28,0	72,4	82,4	57 900	93 700	125 800 *	147 600 *	28,0
30,0	71,0	81,7	52 800	86 300	115 800 *	136 700 *	30,0
32,0	69,5	81,0	48 200	79 900	107 200 *	127 000 *	32,0
34,0	68,1	80,2	44 200	74 100	99 500 *	118 500 *	34,0
36,0	66,6	79,3	40 600	68 800	92 700 *	110 900 *	36,0
38,0	65,1	78,3	37 300	63 400	86 600 *	104 100 *	38,0
40,0	63,5	77,3	34 300	58 600	81 200 *	98 000 *	40,0
42,0	62,0	76,3	31 600	54 300	76 200 *	92 400 *	42,0
44,0	60,4	75,2	28 800	50 500	71 700 *	87 300 *	44,0
46,0	58,8	73,9	26 300	47 000	67 700 *	82 600 *	46,0
48,0	57,2	72,7	24 100	43 800	63 900 *	78 400 *	48,0
50,0	55,6	71,3	22 000	40 900	60 400 *	74 400 *	50,0
52,0	53,9	69,8	20 100	38 200	57 300 *	70 700 *	52,0
54,0	52,1	68,3	18 300	35 700	54 300	67 300 *	54,0
56,0	50,4	66,6	16 800	33 400	51 400	64 100 *	56,0
58,0	48,6	64,9	15 300	31 300	48 600	61 100 *	58,0
60,0	46,7	63,0	13 800	29 300	46 000	58 300 *	60,0
62,0	44,8	61,0	12 500	27 500	43 600	55 700 *	62,0
64,0	42,8	58,8	11 300	25 800	41 400	53 300 *	64,0
66,0	40,7	56,5	10 200	24 200	39 200	51 000 *	66,0
68,0	38,5	54,0	9 100	22 600	37 300	48 800 *	68,0
70,0	36,2	51,3	8 100	21 200	35 400	46 700 *	70,0
72,0	33,8	48,4	7 100	19 800	33 600	44 800 *	72,0
74,0	31,2	45,2	6 200	18 600	32 000	43 000 *	74,0
76,0	28,4	41,5	5 300	17 400	30 400	41 300 *	76,0
80,0	21,7	32,7	3 700	15 100	27 400	36 000 *	80,0



150 590 kg
+
54 430 kg



 m	 °	 m	 0 kg  kg	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
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	146 000	148 400 *	148 400 *	18,0
20,0	78,9	90,8	85 000	132 500	148 400 *	148 400 *	20,0
22,0	77,6	90,3	76 100	119 800	147 800 *	147 800 *	22,0
24,0	76,3	89,8	68 500	108 900	145 300 *	145 300 *	24,0
26,0	75,0	89,3	61 900	99 600	136 800 *	142 400 *	26,0
28,0	73,6	88,7	56 200	91 500	125 400 *	139 700 *	28,0
30,0	72,3	88,1	51 200	84 300	115 400 *	135 500 *	30,0
32,0	71,0	87,4	46 800	78 000	106 700 *	126 600 *	32,0
34,0	69,6	86,6	42 800	72 400	99 100 *	118 000 *	34,0
36,0	68,2	85,8	39 300	67 300	92 300 *	110 400 *	36,0
38,0	66,8	85,0	36 100	62 800	86 200 *	103 600 *	38,0
40,0	65,4	84,0	33 200	58 300	80 700 *	97 500 *	40,0
42,0	64,0	83,1	30 500	53 900	75 800 *	91 900 *	42,0
44,0	62,6	82,0	28 100	50 100	71 300 *	86 800 *	44,0
46,0	61,1	80,9	25 900	46 600	67 200 *	82 200 *	46,0
48,0	59,7	79,8	23 700	43 400	63 500 *	77 900 *	48,0
50,0	58,2	78,5	21 600	40 500	60 000 *	74 000 *	50,0
52,0	56,6	77,2	19 700	37 800	56 900 *	70 300 *	52,0
54,0	55,1	75,8	18 000	35 300	53 900	66 800 *	54,0
56,0	53,5	74,3	16 300	33 000	51 100	63 600 *	56,0
58,0	51,9	72,8	14 900	30 900	48 200	60 700 *	58,0
60,0	50,2	71,1	13 500	28 900	45 600	57 900 *	60,0
62,0	48,5	69,3	12 200	27 100	43 200	55 300 *	62,0
64,0	46,8	67,5	10 900	25 400	41 000	52 800 *	64,0
66,0	45,0	65,5	9 800	23 800	38 900	50 500 *	66,0
68,0	43,1	63,3	8 700	22 300	36 900	48 400 *	68,0
70,0	41,2	61,1	7 700	20 800	35 000	46 400 *	70,0
72,0	39,2	58,7	6 700	19 500	33 300	44 500 *	72,0
74,0	37,1	56,0	5 800	18 200	31 600	42 600 *	74,0
76,0	34,9	53,2	5 000	17 000	30 000	40 900 *	76,0
80,0	30,1	46,8		14 700	27 100	37 700 *	80,0
84,0	24,4	38,7		12 500 *	24 200 *	33 500 *	84,0
88,0	16,9	27,6		10 400 *	21 600 *	28 500 *	88,0



150 590 kg
+
54 430 kg



360°



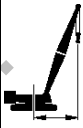
11,0 m

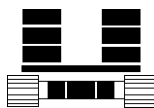


96,0 m



7 m/s

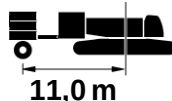
 m	 °	 m	 72 300 kg  kg	 152 130 kg  kg	 231 970 kg  kg	 m
15,2	82,5	97,7	126 900 *	126 900 *	126 900 *	15,2
16,0	82,0	97,6	126 900 *	126 900 *	126 900 *	16,0
18,0	80,8	97,2	126 900 *	126 900 *	126 900 *	18,0
20,0	79,6	96,9	126 000	126 900 *	126 900 *	20,0
22,0	78,4	96,5	116 700	126 900 *	126 900 *	22,0
24,0	77,2	96,0	105 900	126 900 *	126 900 *	24,0
26,0	75,9	95,5	96 800	126 900 *	126 900 *	26,0
28,0	74,7	95,0	88 800	124 100 *	126 800 *	28,0
30,0	73,4	94,4	81 900	114 600 *	126 600 *	30,0
32,0	72,2	93,7	75 700	105 800 *	125 600 *	32,0
34,0	70,9	93,0	70 200	98 100 *	117 100 *	34,0
36,0	69,7	92,3	65 200	91 300 *	109 500 *	36,0
38,0	68,4	91,5	60 800	85 300 *	102 700 *	38,0
40,0	67,1	90,6	56 700	79 800 *	96 600 *	40,0
42,0	65,8	89,7	53 000	74 900 *	91 000 *	42,0
44,0	64,4	88,8	49 200	70 400 *	85 900 *	44,0
46,0	63,1	87,8	45 700	66 300 *	81 300 *	46,0
48,0	61,7	86,7	42 500	62 600 *	77 000 *	48,0
50,0	60,4	85,5	39 500	59 200 *	73 100 *	50,0
52,0	59,0	84,3	36 900	56 000 *	69 400 *	52,0
54,0	57,6	83,1	34 400	53 000	66 000 *	54,0
56,0	56,1	81,7	32 100	50 100	62 800 *	56,0
58,0	54,7	80,3	30 000	47 300	59 800 *	58,0
60,0	53,2	78,8	28 000	44 700	57 000 *	60,0
62,0	51,7	77,2	26 200	42 300	54 400 *	62,0
64,0	50,1	75,6	24 500	40 100	52 000 *	64,0
66,0	48,5	73,8	22 900	38 000	49 700 *	66,0
68,0	46,9	71,9	21 400	36 000	47 500 *	68,0
70,0	45,2	70,0	19 900	34 100	45 500 *	70,0
72,0	43,5	67,9	18 600	32 400	43 600 *	72,0
74,0	41,7	65,6	17 300	30 700	41 800 *	74,0
76,0	39,8	63,3	16 100	29 100	40 000 *	76,0
80,0	35,9	58,0	13 700 *	26 100 *	36 800 *	80,0
84,0	31,5	51,8	11 500 *	23 200 *	33 900 *	84,0
88,0	26,4	44,4	9 400 *	20 600 *	30 100 *	88,0
92,0	20,2	34,8	7 500 *	18 300 *	25 800 *	92,0



150 590 kg
+
54 430 kg



360°



11,0 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	103 500	107 600 *	107 600 *	24,0
26,0	76,8	101,7	94 400	107 500 *	107 500 *	26,0
28,0	75,6	101,2	86 600	107 300 *	107 300 *	28,0
30,0	74,4	100,6	79 800	106 500 *	106 500 *	30,0
32,0	73,3	100,0	73 800	105 300 *	105 800 *	32,0
34,0	72,1	99,4	68 400	97 700 *	105 000 *	34,0
36,0	70,9	98,7	63 600	90 900 *	104 200 *	36,0
38,0	69,7	97,9	59 200	84 800 *	102 000 *	38,0
40,0	68,5	97,1	55 200	79 300 *	96 000 *	40,0
42,0	67,3	96,3	51 600	74 400 *	90 500 *	42,0
44,0	66,1	95,4	48 300	69 900 *	85 400 *	44,0
46,0	64,8	94,5	45 100	65 800 *	80 700 *	46,0
48,0	63,6	93,5	42 000	62 100 *	76 500 *	48,0
50,0	62,3	92,4	39 000	58 600 *	72 600 *	50,0
52,0	61,0	91,3	36 400	55 500 *	68 900 *	52,0
54,0	59,7	90,2	33 900	52 500	65 500 *	54,0
56,0	58,4	88,9	31 600	49 600	62 300 *	56,0
58,0	57,0	87,6	29 500	46 800	59 300 *	58,0
60,0	55,7	86,2	27 500	44 200	56 500 *	60,0
62,0	54,3	84,8	25 700	41 800	53 900 *	62,0
64,0	52,9	83,3	24 000	39 600	51 500 *	64,0
66,0	51,5	81,7	22 400	37 500	49 200 *	66,0
68,0	50,0	80,0	20 800	35 500	47 000 *	68,0
70,0	48,5	78,3	19 400	33 600	45 000 *	70,0
72,0	47,0	76,4	18 100	31 900	43 100 *	72,0
74,0	45,4	74,4	16 800	30 200	41 300 *	74,0
76,0	43,8	72,4	15 500 *	28 600	39 500 *	76,0
80,0	40,4	67,8	13 100 *	25 500 *	36 300 *	80,0
84,0	36,7	62,7	10 900 *	22 700 *	33 500 *	84,0
88,0	32,7	56,8	8 900 *	20 100 *	30 800 *	88,0
92,0	28,2	49,8	7 000 *	17 800 *	27 500 *	92,0
96,0	22,8	41,1	5 300 *	15 600 *	23 600 *	96,0

16000 MAX-ER

EN 13000



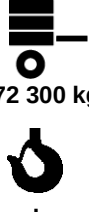
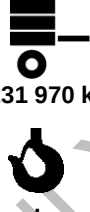
150 590 kg
+
54 430 kg

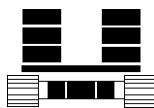


108,0 m



7 m/s

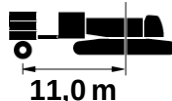
 m	 °	 m	 kg	 kg	 kg	 m
16,8	82,5	109,6	93 000 *	93 000 *	93 000 *	16,8
18,0	81,8	109,4	92 900 *	92 900 *	92 900 *	18,0
20,0	80,8	109,1	92 900 *	92 900 *	92 900 *	20,0
22,0	79,7	108,7	92 800 *	92 800 *	92 800 *	22,0
24,0	78,6	108,3	92 700 *	92 700 *	92 700 *	24,0
26,0	77,5	107,9	91 800	92 400 *	92 400 *	26,0
28,0	76,4	107,4	84 100	91 700 *	91 700 *	28,0
30,0	75,3	106,9	77 500	91 000 *	91 000 *	30,0
32,0	74,2	106,3	71 600	90 400 *	90 400 *	32,0
34,0	73,1	105,7	66 300	89 700 *	89 700 *	34,0
36,0	72,0	105,0	61 600	88 700 *	89 000 *	36,0
38,0	70,9	104,3	57 300	84 000 *	88 300 *	38,0
40,0	69,8	103,6	53 400	78 500 *	87 600 *	40,0
42,0	68,6	102,8	49 800	73 600 *	87 000 *	42,0
44,0	67,5	102,0	46 500	69 100 *	84 500 *	44,0
46,0	66,3	101,1	43 500	65 000 *	79 900 *	46,0
48,0	65,1	100,2	40 700	61 200 *	75 600 *	48,0
50,0	64,0	99,2	38 100	57 800 *	71 700 *	50,0
52,0	62,8	98,2	35 500	54 600 *	68 100 *	52,0
54,0	61,6	97,1	33 000	51 700	64 600 *	54,0
56,0	60,3	95,9	30 800	48 800	61 400 *	56,0
58,0	59,1	94,7	28 600	46 000	58 500 *	58,0
60,0	57,8	93,5	26 700	43 400	55 700 *	60,0
62,0	56,6	92,2	24 800	41 000	53 100 *	62,0
64,0	55,3	90,8	23 100	38 700	50 700 *	64,0
66,0	54,0	89,3	21 500	36 600	48 400 *	66,0
68,0	52,6	87,8	20 000	34 600	46 200 *	68,0
70,0	51,3	86,2	18 600	32 700	44 200 *	70,0
72,0	49,9	84,5	17 200 *	31 000	42 300 *	72,0
74,0	48,5	82,8	15 800 *	29 200 *	40 500 *	74,0
76,0	47,0	80,9	14 500 *	27 600 *	38 700 *	76,0
80,0	44,0	76,9	12 100 *	24 500 *	35 600 *	80,0
84,0	40,8	72,4	9 900 *	21 700 *	32 700 *	84,0
88,0	37,4	67,4	7 900 *	19 100 *	30 000 *	88,0
92,0	33,7	61,7	6 100 *	16 800 *	27 400 *	92,0
96,0	29,6	55,0	4 400 *	14 600 *	24 500 *	96,0
100,0	24,9	47,0		12 600 *	21 000 *	100,0
104,0	19,0	36,8		10 700 *	17 500 *	104,0



150 590 kg
+
54 430 kg



360°



11,0 m



114,0 m

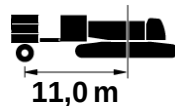


7 m/s

 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	75 600	77 600 *	77 600 *	30,0
32,0	75,1	112,5	69 700	77 000 *	77 000 *	32,0
34,0	74,0	111,9	64 600	76 300 *	76 300 *	34,0
36,0	73,0	111,3	59 900	75 700 *	75 700 *	36,0
38,0	71,9	110,7	55 700	75 100 *	75 100 *	38,0
40,0	70,9	110,0	51 800	74 500 *	74 500 *	40,0
42,0	69,8	109,2	48 300	72 900 *	73 900 *	42,0
44,0	68,7	108,5	45 100	68 500 *	73 300 *	44,0
46,0	67,6	107,6	42 100	64 400 *	72 700 *	46,0
48,0	66,5	106,8	39 400	60 700 *	72 100 *	48,0
50,0	65,4	105,9	36 900	57 200 *	70 800 *	50,0
52,0	64,3	104,9	34 500	54 100 *	67 500 *	52,0
54,0	63,2	103,9	32 300	51 000	64 000 *	54,0
56,0	62,0	102,8	30 200	48 100	60 800 *	56,0
58,0	60,9	101,7	28 000	45 400	57 900 *	58,0
60,0	59,7	100,5	26 100	42 800	55 100 *	60,0
62,0	58,6	99,3	24 200	40 400	52 500 *	62,0
64,0	57,4	98,0	22 500	38 100	50 100 *	64,0
66,0	56,1	96,7	20 900	36 000	47 800 *	66,0
68,0	54,9	95,3	19 400	34 000	45 600 *	68,0
70,0	53,7	93,8	17 900	32 200	43 600 *	70,0
72,0	52,4	92,3	16 500 *	30 300 *	41 700 *	72,0
74,0	51,1	90,7	15 100 *	28 600 *	39 900 *	74,0
76,0	49,8	89,0	13 800 *	26 900 *	38 200 *	76,0
80,0	47,1	85,4	11 400 *	23 800 *	35 000 *	80,0
84,0	44,3	81,4	9 200 *	21 000 *	32 100 *	84,0
88,0	41,3	77,0	7 200 *	18 400 *	29 500 *	88,0
92,0	38,1	72,0	5 400 *	16 100 *	26 700 *	92,0
96,0	34,6	66,5	3 700 *	14 000 *	24 100 *	96,0
100,0	30,8	60,1		12 000 *	21 700 *	100,0
104,0	26,6	52,6		10 100 *	18 700 *	104,0
108,0	21,5	43,4		8 400 *	15 600 *	108,0



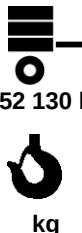
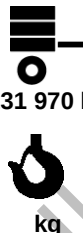
150 590 kg
+
54 430 kg



120,0 m



7 m/s

 m	 °	 m	 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	55 800	56 400 *	50,0
52,0	65,7	111,5	52 800	55 200 *	52,0
54,0	64,6	110,6	50 000	54 000 *	54,0
56,0	63,6	109,6	47 100	52 800 *	56,0
58,0	62,5	108,6	44 300	51 600 *	58,0
60,0	61,4	107,5	41 700	50 400 *	60,0
62,0	60,3	106,3	39 300	49 200 *	62,0
64,0	59,2	105,1	37 000	48 000 *	64,0
66,0	58,1	103,9	34 900	46 700 *	66,0
68,0	56,9	102,6	32 800 *	44 700 *	68,0
70,0	55,8	101,2	30 900 *	42 600 *	70,0
72,0	54,6	99,8	29 000 *	40 700 *	72,0
74,0	53,4	98,3	27 200 *	38 900 *	74,0
76,0	52,2	96,8	25 600 *	37 200 *	76,0
80,0	49,7	93,5	22 500 *	34 000 *	80,0
84,0	47,1	89,8	19 700 *	31 100 *	84,0
88,0	44,5	85,9	17 200 *	28 300 *	88,0
92,0	41,6	81,5	14 800 *	25 400 *	92,0
96,0	38,6	76,7	12 700 *	22 900 *	96,0
100,0	35,4	71,3	10 800 *	20 500 *	100,0
104,0	31,9	65,1	8 900 *	18 300 *	104,0
108,0	28,0	58,0	7 200 *	15 800 *	108,0
112,0	23,5	49,5	5 600 *	12 900 *	112,0
116,0	18,0	38,7	4 100 *	10 100 *	116,0