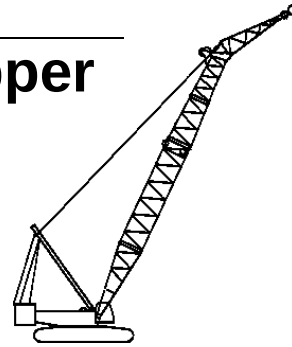


Liftcrane Boom Extended Upper Point Capacities

Boom No. 58WA with 7,6 m Extended
Upper Boom Point
166 920 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating



16000
SERIES 4



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point (upper sheave) capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part line. In all cases, upper boom point capacities cannot exceed those listed for extended upper boom point (lower sheave) capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath upper boom point sheaves, is considered part of extended upper boom point 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. Refer to boom rigging **No. 81009833**, Wire Rope Specification chart **No. 8889-A**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-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.

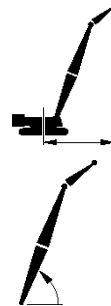
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8890-A**

Boom Catwalks Deduct

Deduct 275 kg from capacities when boom catwalks are attached.

Optional Block Reeving

When block is reeved with optional 6 or 8 part reeving with wire rope dead end on upper boom point (upper sheave), deduct 1 600 kg from capacities. Refer to reeving diagram **No. 81022461** for optional reeving.



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.



EXTENDED UPPER BOOM POINT ELEVATION: Extended upper boom point elevation is vertical distance from ground level to centerline of extended upper boom point (lower sheave) shaft.

MACHINE EQUIPMENT: Machine equipped with 10 363 mm crawlers, 1 524 mm treads, 9 754 mm live mast, 26 part boom hoist reeving, boom support straps, 166 920 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

Maximum Boom Length Lifted Unassisted

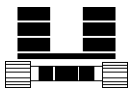
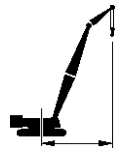
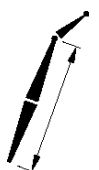
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
92,0 m (a) (b)	83,0 m

Load block, hook and weight ball on ground until combined weights are within rated capacity of chart.

(a) Machine must be equipped with optional upperworks jacking cylinders to both reeve and use the whip line on 92,0 m boom with boom catwalks removed.

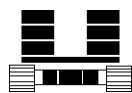
(b) Machine must be equipped with optional upperworks jacking cylinders and boom must be rigged with one load hoist lead line to raise 92,0 m boom with boom catwalks attached.

Explanation of Symbols

	Boom No. 58WA with 7,6 m Extended Upper Boom Point
	Crane Counterweight + Carbody Counterweight
	360 Degree Rating
	Operating Radius (see page 1)
	Boom Angle (see page 1)
	Extended Upper Boom Point Elevation (see page 1)
	Lifting Capacities (see page 1)
	Boom Length
	Extended Upper Boom Point Offset Angle



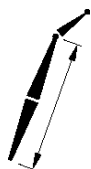
58WA



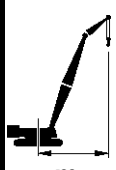
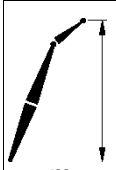
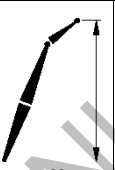
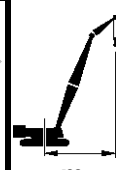
166 920 kg
+
54 430 kg



360°



44,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
12,2	82,1	52,9	130 000 *				12,2
14,0	80,0	52,5	130 000 *				14,0
16,0	77,7	51,9	130 000 *				16,0
18,0	75,3	51,3	119 600				18,0
20,0	73,0	50,6	103 200	73,7	50,3	103 800	20,0
22,0	70,6	49,7	90 200	71,3	49,4	90 700	22,0
24,0	68,1	48,8	79 800	68,8	48,5	80 300	24,0
26,0	65,6	47,8	71 300	66,3	47,5	71 700	26,0
28,0	63,0	46,7	64 100	63,7	46,3	64 500	28,0
30,0	60,4	45,4	58 100	61,1	45,1	58 400	30,0
32,0	57,7	44,0	52 800	58,3	43,6	53 100	32,0
34,0	54,8	42,4	48 300	55,5	42,1	48 600	34,0
36,0	51,9	40,7	44 300	52,5	40,3	44 600	36,0
38,0	48,8	38,8	40 800	49,4	38,4	41 000	38,0
40,0	45,5	36,7	37 700	46,1	36,2	37 800	40,0
42,0	42,0	34,2	34 800	42,5	33,8	35 000	42,0
44,0	38,2	31,5	32 300	38,7	31,0	32 400	44,0
46,0	34,0	28,3	29 900				46,0

58WA



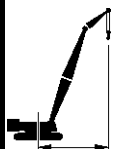
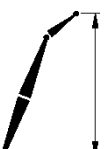
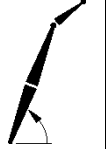
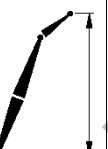
166 920 kg
+
54 430 kg



360°

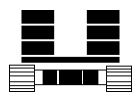


47,0 m

	28°			35°			
 m	 m	 m	 kg	 m	 m	 kg	 m
12,2	82,5	55,9	130 000 *				12,2
14,0	80,6	55,6	130 000 *				14,0
16,0	78,4	55,0	130 000 *				16,0
18,0	76,2	54,4	119 400				18,0
20,0	74,0	53,8	103 000	74,7	53,5	103 600	20,0
22,0	71,7	53,0	90 000	72,4	52,7	90 500	22,0
24,0	69,4	52,1	79 500	70,1	51,8	80 000	24,0
26,0	67,1	51,2	71 000	67,8	50,9	71 400	26,0
28,0	64,7	50,1	63 800	65,4	49,8	64 200	28,0
30,0	62,2	48,9	57 800	62,9	48,6	58 100	30,0
32,0	59,7	47,6	52 500	60,4	47,3	52 800	32,0
34,0	57,1	46,2	48 000	57,8	45,9	48 200	34,0
36,0	54,5	44,7	44 000	55,0	44,3	44 200	36,0
38,0	51,7	42,9	40 500	52,2	42,6	40 700	38,0
40,0	48,8	41,0	37 400	49,3	40,6	37 500	40,0
42,0	45,7	38,9	34 500	46,2	38,5	34 600	42,0
44,0	42,4	36,5	31 900	42,9	36,1	32 100	44,0
46,0	38,9	33,9	29 600	39,3	33,4	29 700	46,0
48,0	35,0	30,8	27 500				48,0
50,0	30,7	27,2	25 500				50,0



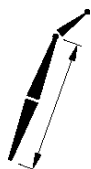
58WA



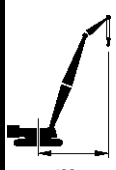
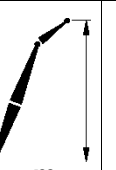
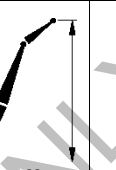
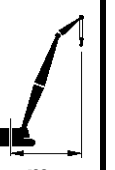
166 920 kg
+
54 430 kg



360°



50,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
12,2	82,9	59,0	130 000 *				12,2
14,0	81,1	58,6	130 000 *				14,0
16,0	79,0	58,1	130 000 *				16,0
18,0	76,9	57,6	119 400				18,0
20,0	74,8	56,9	102 900	75,5	56,6	103 500	20,0
22,0	72,7	56,2	89 900	73,4	55,9	90 400	22,0
24,0	70,6	55,4	79 400	71,2	55,1	79 900	24,0
26,0	68,4	54,5	70 900	69,0	54,2	71 300	26,0
28,0	66,1	53,5	63 700	66,8	53,2	64 100	28,0
30,0	63,9	52,4	57 700	64,5	52,1	58 000	30,0
32,0	61,5	51,2	52 400	62,1	50,9	52 800	32,0
34,0	59,1	49,9	47 900	59,7	49,6	48 200	34,0
36,0	56,7	48,5	43 900	57,2	48,1	44 100	36,0
38,0	54,1	46,9	40 400	54,7	46,5	40 600	38,0
40,0	51,5	45,2	37 300	52,0	44,8	37 400	40,0
42,0	48,7	43,3	34 400	49,2	42,9	34 600	42,0
44,0	45,8	41,2	31 900	46,3	40,7	32 000	44,0
46,0	42,8	38,8	29 600	43,2	38,4	29 700	46,0
48,0	39,5	36,2	27 500	39,9	35,7	27 600	48,0
50,0	35,9	33,3	25 500	36,2	32,7	25 600	50,0
52,0	31,9	29,8	23 700				52,0



166 920 kg
+
54 430 kg



53,0 m

	28°			35°			
m	m	m	kg	m	kg	m	m
13,7	81,8	61,7	130 000 *				13,7
14,0	81,5	61,7	130 000 *				14,0
16,0	79,6	61,2	130 000 *				16,0
18,0	77,6	60,7	119 200				18,0
20,0	75,6	60,1	102 600	76,3	59,8	103 300	20,0
22,0	73,6	59,4	89 600	74,3	59,1	90 200	22,0
24,0	71,6	58,6	79 100	72,2	58,3	79 700	24,0
26,0	69,5	57,8	70 600	70,2	57,5	71 000	26,0
28,0	67,4	56,9	63 400	68,0	56,5	63 800	28,0
30,0	65,3	55,8	57 300	65,9	55,5	57 700	30,0
32,0	63,1	54,7	52 100	63,7	54,4	52 400	32,0
34,0	60,9	53,5	47 600	61,5	53,2	47 800	34,0
36,0	58,6	52,2	43 600	59,2	51,8	43 800	36,0
38,0	56,3	50,7	40 000	56,8	50,4	40 300	38,0
40,0	53,8	49,1	36 900	54,4	48,8	37 100	40,0
42,0	51,3	47,4	34 100	51,8	47,0	34 300	42,0
44,0	48,7	45,5	31 500	49,2	45,1	31 700	44,0
46,0	46,0	43,4	29 200	46,4	43,0	29 300	46,0
48,0	43,1	41,1	27 100	43,5	40,7	27 200	48,0
50,0	40,0	38,6	25 200	40,4	38,1	25 300	50,0
52,0	36,6	35,7	23 400				52,0
54,0	33,0	32,4	21 700				54,0

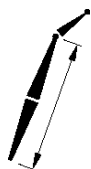


58WA

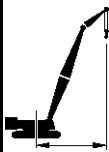
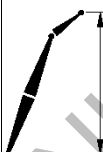
166 920 kg
+
54 430 kg



360°

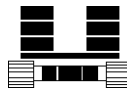


56,0 m

	 28°			 35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
13,7	82,2	64,8	130 000 *				13,7
14,0	81,9	64,7	130 000 *				14,0
16,0	80,1	64,3	130 000 *				16,0
18,0	78,2	63,8	119 000				18,0
20,0	76,3	63,2	102 500	77,0	62,9	103 100	20,0
22,0	74,4	62,6	89 400	75,1	62,3	90 000	22,0
24,0	72,5	61,9	78 900	73,1	61,6	79 500	24,0
26,0	70,6	61,1	70 300	71,2	60,8	70 800	26,0
28,0	68,6	60,2	63 200	69,2	59,9	63 600	28,0
30,0	66,6	59,2	57 100	67,2	58,9	57 500	30,0
32,0	64,5	58,2	51 900	65,1	57,8	52 200	32,0
34,0	62,4	57,0	47 300	63,0	56,7	47 600	34,0
36,0	60,3	55,8	43 300	60,9	55,4	43 600	36,0
38,0	58,1	54,4	39 800	58,7	54,1	40 000	38,0
40,0	55,9	53,0	36 600	56,4	52,6	36 800	40,0
42,0	53,6	51,4	33 800	54,1	51,0	34 000	42,0
44,0	51,2	49,6	31 300	51,6	49,2	31 400	44,0
46,0	48,7	47,7	28 900	49,1	47,3	29 100	46,0
48,0	46,1	45,7	26 800	46,5	45,2	27 000	48,0
50,0	43,3	43,4	24 900	43,7	42,9	25 000	50,0
52,0	40,4	40,9	23 200	40,8	40,4	23 200	52,0
54,0	37,3	38,1	21 500	37,6	37,6	21 500	54,0
56,0	33,9	34,9	20 000				56,0



58WA



166 920 kg
+
54 430 kg



360°



59,0 m

	28°			35°			
m	m	m	kg	m	m	kg	m
13,7	82,6	67,8	130 000 *				13,7
14,0	82,3	67,8	130 000 *				14,0
16,0	80,5	67,4	130 000 *				16,0
18,0	78,8	66,9	118 800				18,0
20,0	77,0	66,4	102 200	77,6	66,1	102 900	20,0
22,0	75,2	65,7	89 100	75,8	65,4	89 700	22,0
24,0	73,3	65,1	78 600	73,9	64,7	79 200	24,0
26,0	71,5	64,3	70 000	72,1	64,0	70 500	26,0
28,0	69,6	63,5	62 800	70,2	63,1	63 200	28,0
30,0	67,7	62,6	56 700	68,3	62,2	57 100	30,0
32,0	65,8	61,6	51 500	66,3	61,2	51 800	32,0
34,0	63,8	60,5	46 900	64,4	60,1	47 200	34,0
36,0	61,8	59,3	42 900	62,4	59,0	43 200	36,0
38,0	59,8	58,0	39 400	60,3	57,7	39 600	38,0
40,0	57,7	56,7	36 200	58,2	56,3	36 500	40,0
42,0	55,5	55,2	33 400	56,0	54,8	33 600	42,0
44,0	53,3	53,6	30 800	53,8	53,2	31 100	44,0
46,0	51,0	51,9	28 600	51,5	51,5	28 700	46,0
48,0	48,6	50,0	26 400	49,1	49,6	26 600	48,0
50,0	46,2	47,9	24 500	46,6	47,5	24 700	50,0
52,0	43,6	45,7	22 700	44,0	45,2	22 900	52,0
54,0	40,8	43,2	21 100	41,2	42,7	21 200	54,0
56,0	37,9	40,5	19 600	38,2	40,0	19 600	56,0
58,0	34,7	37,4	18 200				58,0
60,0	31,3	33,9	16 800				60,0

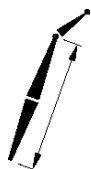


58WA

166 920 kg
+
54 430 kg



360°



62,0 m

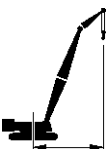
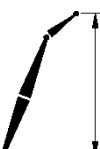
	28°			35°			
m	o	m	kg	o	m	kg	m
13,7	82,9	70,9	130 000 *				13,7
14,0	82,6	70,8	130 000 *				14,0
16,0	81,0	70,4	130 000 *				16,0
18,0	79,3	70,0	118 700				18,0
20,0	77,6	69,5	102 000	78,1	69,2	102 800	20,0
22,0	75,8	68,9	88 900	76,4	68,6	89 600	22,0
24,0	74,1	68,2	78 500	74,7	67,9	79 000	24,0
26,0	72,3	67,5	69 800	72,9	67,2	70 300	26,0
28,0	70,6	66,7	62 700	71,1	66,4	63 100	28,0
30,0	68,8	65,9	56 500	69,3	65,5	56 900	30,0
32,0	66,9	64,9	51 300	67,5	64,6	51 700	32,0
34,0	65,1	63,9	46 700	65,6	63,6	47 000	34,0
36,0	63,2	62,8	42 700	63,7	62,5	43 000	36,0
38,0	61,3	61,6	39 200	61,8	61,3	39 500	38,0
40,0	59,3	60,3	36 000	59,8	60,0	36 300	40,0
42,0	57,3	58,9	33 200	57,8	58,6	33 500	42,0
44,0	55,2	57,4	30 700	55,7	57,1	30 900	44,0
46,0	53,1	55,8	28 400	53,5	55,4	28 600	46,0
48,0	50,9	54,1	26 300	51,3	53,7	26 400	48,0
50,0	48,6	52,2	24 400	49,0	51,8	24 500	50,0
52,0	46,3	50,2	22 600	46,7	49,7	22 700	52,0
54,0	43,8	47,9	20 900	44,2	47,5	21 100	54,0
56,0	41,2	45,5	19 400	41,5	45,0	19 500	56,0
58,0	38,4	42,8	18 000	38,7	42,3	18 100	58,0
60,0	35,5	39,9	16 700				60,0
62,0	32,2	36,5	15 400				62,0
64,0	28,7	32,7	14 300				64,0



166 920 kg
+
54 430 kg



65,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
15,2	82,0	73,7	130 000 *	82,5	73,4	130 000 *	15,2
16,0	81,3	73,5	130 000 *	81,9	73,2	129 400 *	16,0
18,0	79,7	73,1	118 500	80,3	72,8	119 900	18,0
20,0	78,1	72,6	101 800	78,6	72,3	102 500	20,0
22,0	76,4	72,0	88 700	77,0	71,7	89 300	22,0
24,0	74,8	71,4	78 200	75,3	71,1	78 700	24,0
26,0	73,1	70,7	69 500	73,6	70,4	70 000	26,0
28,0	71,4	69,9	62 300	71,9	69,6	62 800	28,0
30,0	69,7	69,1	56 200	70,2	68,8	56 600	30,0
32,0	68,0	68,2	50 900	68,5	67,9	51 300	32,0
34,0	66,2	67,3	46 400	66,7	66,9	46 700	34,0
36,0	64,4	66,2	42 300	64,9	65,9	42 600	36,0
38,0	62,6	65,1	38 800	63,1	64,8	39 100	38,0
40,0	60,7	63,9	35 700	61,2	63,5	35 900	40,0
42,0	58,8	62,6	32 800	59,3	62,2	33 100	42,0
44,0	56,9	61,2	30 300	57,4	60,8	30 500	44,0
46,0	54,9	59,7	28 000	55,4	59,3	28 200	46,0
48,0	52,9	58,1	25 900	53,3	57,7	26 100	48,0
50,0	50,8	56,3	23 900	51,2	55,9	24 100	50,0
52,0	48,6	54,4	22 200	49,0	54,0	22 300	52,0
54,0	46,3	52,4	20 500	46,7	52,0	20 700	54,0
56,0	44,0	50,2	19 000	44,3	49,8	19 100	56,0
58,0	41,5	47,8	17 600	41,9	47,3	17 700	58,0
60,0	38,9	45,2	16 300	39,2	44,7	16 400	60,0
62,0	36,1	42,3	15 100	36,4	41,7	15 100	62,0
64,0	33,1	39,1	13 900				64,0

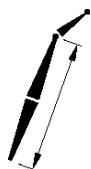


58WA

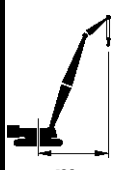
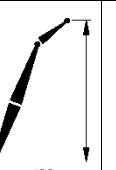
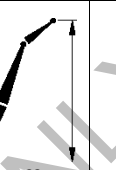
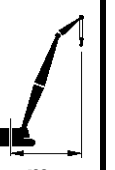
166 920 kg
+
54 430 kg



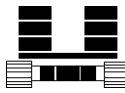
360°



68,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
15,2	82,3	76,7	130 000 *	82,8	76,4	130 000 *	15,2
16,0	81,7	76,6	130 000 *	82,2	76,3	129 400 *	16,0
18,0	80,1	76,1	118 400	80,7	75,8	119 700	18,0
20,0	78,6	75,7	101 600	79,1	75,4	102 400	20,0
22,0	77,0	75,1	88 400	77,5	74,8	89 100	22,0
24,0	75,4	74,5	77 900	75,9	74,2	78 500	24,0
26,0	73,8	73,9	69 300	74,3	73,6	69 800	26,0
28,0	72,2	73,2	62 000	72,7	72,8	62 500	28,0
30,0	70,6	72,4	55 900	71,1	72,1	56 300	30,0
32,0	68,9	71,5	50 600	69,4	71,2	51 000	32,0
34,0	67,2	70,6	46 100	67,7	70,3	46 400	34,0
36,0	65,5	69,6	42 100	66,0	69,3	42 400	36,0
38,0	63,8	68,5	38 500	64,3	68,2	38 800	38,0
40,0	62,0	67,4	35 400	62,5	67,1	35 600	40,0
42,0	60,3	66,2	32 500	60,7	65,8	32 800	42,0
44,0	58,4	64,8	30 000	58,9	64,5	30 200	44,0
46,0	56,6	63,4	27 700	57,0	63,1	27 800	46,0
48,0	54,7	61,9	25 500	55,1	61,5	25 800	48,0
50,0	52,7	60,3	23 600	53,1	59,9	23 800	50,0
52,0	50,7	58,5	21 800	51,1	58,1	22 000	52,0
54,0	48,6	56,7	20 200	49,0	56,3	20 400	54,0
56,0	46,4	54,7	18 700	46,8	54,2	18 800	56,0
58,0	44,2	52,5	17 300	44,5	52,0	17 400	58,0
60,0	41,8	50,1	16 000	42,1	49,6	16 100	60,0
62,0	39,3	47,5	14 700	39,6	47,0	14 800	62,0
64,0	36,7	44,7	13 600	37,0	44,2	13 700	64,0
66,0	33,9	41,6	12 500				66,0
68,0	30,8	38,0	11 500				68,0

58WA



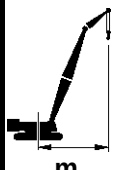
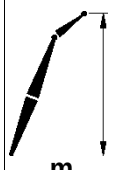
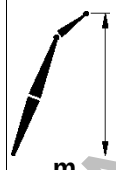
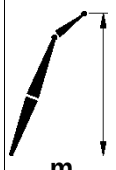
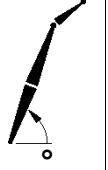
166 920 kg
+
54 430 kg



360°



71,0 m

 m	28° 			35° 			 m
	 m	 m	 kg	 m	 m	 kg	
15,2	82,6	79,8	130 000 *				15,2
16,0	82,0	79,6	130 000 *				16,0
18,0	80,5	79,2	118 100	81,0	78,9	118 700	18,0
20,0	79,0	78,8	101 200	79,5	78,4	102 000	20,0
22,0	77,5	78,2	88 000	78,0	77,9	88 700	22,0
24,0	76,0	77,7	77 500	76,5	77,4	78 100	24,0
26,0	74,4	77,0	68 800	75,0	76,7	69 300	26,0
28,0	72,9	76,4	61 500	73,4	76,0	62 000	28,0
30,0	71,3	75,6	55 400	71,8	75,3	55 900	30,0
32,0	69,8	74,8	50 100	70,2	74,5	50 500	32,0
34,0	68,2	73,9	45 500	68,6	73,6	45 900	34,0
36,0	66,5	73,0	41 500	67,0	72,6	41 900	36,0
38,0	64,9	71,9	37 900	65,4	71,6	38 300	38,0
40,0	63,2	70,9	34 800	63,7	70,5	35 100	40,0
42,0	61,5	69,7	31 900	62,0	69,3	32 200	42,0
44,0	59,8	68,4	29 400	60,2	68,1	29 600	44,0
46,0	58,0	67,1	27 100	58,5	66,7	27 300	46,0
48,0	56,3	65,7	24 900	56,7	65,3	25 200	48,0
50,0	54,4	64,2	23 000	54,8	63,8	23 200	50,0
52,0	52,5	62,5	21 200	52,9	62,1	21 400	52,0
54,0	50,6	60,8	19 600	51,0	60,4	19 800	54,0
56,0	48,6	58,9	18 100	48,9	58,5	18 200	56,0
58,0	46,5	56,9	16 700	46,8	56,5	16 800	58,0
60,0	44,3	54,7	15 400	44,7	54,3	15 500	60,0
62,0	42,1	52,4	14 200	42,4	51,9	14 200	62,0
64,0	39,7	49,9	13 000	40,0	49,4	13 100	64,0
66,0	37,2	47,1	11 900	37,5	46,6	12 000	66,0
68,0	34,6	44,0	10 900				68,0
70,0	31,7	40,6	9 900				70,0

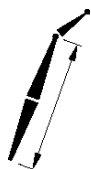


58WA

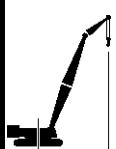
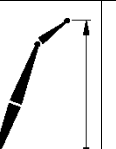
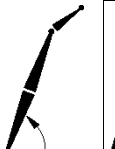
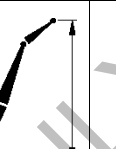
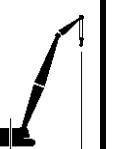
166 920 kg
+
54 430 kg

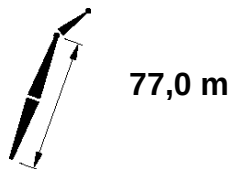
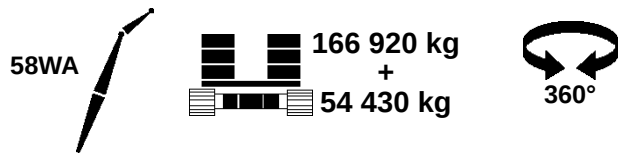


360°



74,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
15,2	82,9	82,8	130 000 *				15,2
16,0	82,3	82,7	130 000 *				16,0
18,0	80,9	82,3	118 000	81,4	82,0	118 500	18,0
20,0	79,4	81,8	101 000	79,9	81,5	101 900	20,0
22,0	78,0	81,3	87 800	78,5	81,0	88 600	22,0
24,0	76,5	80,8	77 300	77,0	80,5	77 900	24,0
26,0	75,0	80,2	68 600	75,5	79,9	69 200	26,0
28,0	73,6	79,5	61 300	74,0	79,2	61 800	28,0
30,0	72,1	78,8	55 200	72,5	78,5	55 600	30,0
32,0	70,5	78,0	49 900	71,0	77,7	50 300	32,0
34,0	69,0	77,2	45 300	69,5	76,9	45 700	34,0
36,0	67,5	76,3	41 300	67,9	76,0	41 600	36,0
38,0	65,9	75,3	37 700	66,4	75,0	38 000	38,0
40,0	64,3	74,3	34 500	64,8	73,9	34 800	40,0
42,0	62,7	73,2	31 700	63,1	72,8	32 000	42,0
44,0	61,1	72,0	29 100	61,5	71,6	29 400	44,0
46,0	59,4	70,7	26 800	59,8	70,4	27 100	46,0
48,0	57,7	69,4	24 700	58,1	69,0	24 900	48,0
50,0	56,0	67,9	22 800	56,4	67,6	23 000	50,0
52,0	54,2	66,4	21 000	54,6	66,0	21 200	52,0
54,0	52,4	64,8	19 400	52,7	64,4	19 600	54,0
56,0	50,5	63,0	17 900	50,9	62,6	18 000	56,0
58,0	48,6	61,1	16 400	48,9	60,7	16 600	58,0
60,0	46,6	59,1	15 200	46,9	58,7	15 300	60,0
62,0	44,5	57,0	13 900	44,8	56,5	14 000	62,0
64,0	42,3	54,7	12 800	42,6	54,2	12 900	64,0
66,0	40,1	52,2	11 700	40,4	51,7	11 800	66,0
68,0	37,7	49,5	10 700	38,0	48,9	10 800	68,0
70,0	35,2	46,5	9 700	35,4	45,9	9 800	70,0
72,0	32,5	43,2	8 800				72,0
74,0	29,5	39,5	7 900				74,0



	28°			35°			
m	m	m	kg	m	kg	m	m
16,8	82,1	85,6	130 000 *	82,6	85,3	128 800 *	16,8
18,0	81,2	85,3	117 800	81,7	85,0	118 400	18,0
20,0	79,8	84,9	100 800	80,3	84,6	101 700	20,0
22,0	78,4	84,4	87 500	78,9	84,1	88 300	22,0
24,0	77,0	83,9	76 900	77,5	83,6	77 600	24,0
26,0	75,6	83,3	68 300	76,1	83,0	68 800	26,0
28,0	74,2	82,7	61 000	74,6	82,4	61 500	28,0
30,0	72,7	82,0	54 800	73,2	81,7	55 300	30,0
32,0	71,3	81,3	49 500	71,7	80,9	49 900	32,0
34,0	69,8	80,4	44 900	70,3	80,1	45 300	34,0
36,0	68,3	79,6	40 900	68,8	79,3	41 300	36,0
38,0	66,8	78,7	37 300	67,3	78,3	37 600	38,0
40,0	65,3	77,7	34 100	65,7	77,3	34 400	40,0
42,0	63,8	76,6	31 300	64,2	76,3	31 600	42,0
44,0	62,2	75,5	28 700	62,6	75,1	29 000	44,0
46,0	60,6	74,3	26 400	61,0	73,9	26 700	46,0
48,0	59,0	73,0	24 300	59,4	72,6	24 500	48,0
50,0	57,4	71,6	22 400	57,8	71,3	22 600	50,0
52,0	55,7	70,2	20 600	56,1	69,8	20 800	52,0
54,0	54,0	68,6	18 900	54,3	68,2	19 100	54,0
56,0	52,2	67,0	17 400	52,6	66,6	17 600	56,0
58,0	50,4	65,2	16 000	50,8	64,8	16 200	58,0
60,0	48,5	63,4	14 700	48,9	63,0	14 800	60,0
62,0	46,6	61,4	13 500	46,9	60,9	13 600	62,0
64,0	44,6	59,2	12 300	44,9	58,8	12 400	64,0
66,0	42,6	57,0	11 300	42,9	56,5	11 400	66,0
68,0	40,4	54,5	10 200	40,7	54,0	10 300	68,0
70,0	38,1	51,8	9 300	38,4	51,3	9 400	70,0
72,0	35,7	48,9	8 400				72,0
74,0	33,2	45,7	7 500				74,0
76,0	30,4	42,1	6 700				76,0

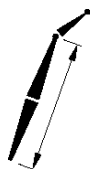


58WA

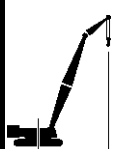
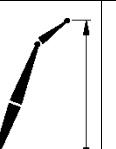
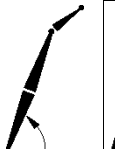
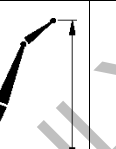
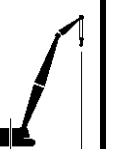
166 920 kg
+
54 430 kg

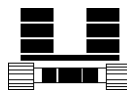


360°



80,0 m

	28°			35°			
 m	 m	 m	 kg	 m	 m	 kg	 m
16,8	82,3	88,6	130 000 *	82,8	88,3	128 800 *	16,8
18,0	81,5	88,4	117 700	82,0	88,1	118 200	18,0
20,0	80,2	88,0	100 600	80,6	87,7	101 400	20,0
22,0	78,8	87,5	87 300	79,3	87,2	88 100	22,0
24,0	77,5	87,0	76 700	77,9	86,7	77 400	24,0
26,0	76,1	86,5	68 000	76,6	86,1	68 600	26,0
28,0	74,7	85,8	60 700	75,2	85,5	61 200	28,0
30,0	73,4	85,2	54 500	73,8	84,9	55 000	30,0
32,0	72,0	84,5	49 200	72,4	84,1	49 600	32,0
34,0	70,5	83,7	44 600	71,0	83,4	45 000	34,0
36,0	69,1	82,9	40 500	69,6	82,5	40 900	36,0
38,0	67,7	82,0	37 000	68,1	81,6	37 300	38,0
40,0	66,2	81,0	33 800	66,7	80,7	34 100	40,0
42,0	64,8	80,0	30 900	65,2	79,7	31 200	42,0
44,0	63,3	78,9	28 400	63,7	78,6	28 700	44,0
46,0	61,8	77,8	26 000	62,2	77,4	26 300	46,0
48,0	60,2	76,6	23 900	60,6	76,2	24 200	48,0
50,0	58,7	75,3	22 000	59,0	74,9	22 200	50,0
52,0	57,1	73,9	20 200	57,4	73,5	20 400	52,0
54,0	55,4	72,4	18 600	55,8	72,0	18 800	54,0
56,0	53,8	70,9	17 100	54,1	70,5	17 200	56,0
58,0	52,1	69,2	15 700	52,4	68,8	15 800	58,0
60,0	50,3	67,5	14 300	50,7	67,1	14 500	60,0
62,0	48,5	65,6	13 100	48,9	65,2	13 200	62,0
64,0	46,7	63,6	12 000	47,0	63,2	12 100	64,0
66,0	44,8	61,5	10 900	45,1	61,1	11 000	66,0
68,0	42,8	59,2	9 900	43,1	58,8	10 000	68,0
70,0	40,7	56,8	8 900	41,0	56,3	9 000	70,0
72,0	38,5	54,2	8 000	38,8	53,7	8 100	72,0
74,0	36,3	51,3	7 200	36,5	50,8	7 300	74,0
76,0	33,8	48,2	6 400				76,0
78,0	31,2	44,7	5 600				78,0



166 920 kg
+
54 430 kg



360°



83,0 m

	28°			35°			
m	m	m	kg	m	kg	m	m
16,8	82,6	91,7	130 000 *				16,8
18,0	81,8	91,4	117 500				18,0
20,0	80,5	91,0	100 300	81,0	90,7	101 200	20,0
22,0	79,2	90,6	87 000	79,7	90,3	87 800	22,0
24,0	77,9	90,1	76 300	78,3	89,8	77 000	24,0
26,0	76,6	89,6	67 600	77,0	89,3	68 300	26,0
28,0	75,3	89,0	60 300	75,7	88,7	60 900	28,0
30,0	73,9	88,3	54 100	74,4	88,0	54 600	30,0
32,0	72,6	87,7	48 800	73,0	87,3	49 300	32,0
34,0	71,2	86,9	44 200	71,7	86,6	44 600	34,0
36,0	69,9	86,1	40 100	70,3	85,8	40 500	36,0
38,0	68,5	85,3	36 500	68,9	84,9	36 900	38,0
40,0	67,1	84,3	33 400	67,5	84,0	33 700	40,0
42,0	65,7	83,4	30 500	66,1	83,0	30 800	42,0
44,0	64,2	82,3	27 900	64,6	82,0	28 200	44,0
46,0	62,8	81,2	25 600	63,2	80,9	25 900	46,0
48,0	61,3	80,1	23 500	61,7	79,7	23 800	48,0
50,0	59,8	78,8	21 500	60,2	78,5	21 800	50,0
52,0	58,3	77,5	19 800	58,7	77,2	20 000	52,0
54,0	56,8	76,1	18 100	57,1	75,8	18 300	54,0
56,0	55,2	74,7	16 600	55,6	74,3	16 800	56,0
58,0	53,6	73,1	15 200	53,9	72,7	15 400	58,0
60,0	51,9	71,5	13 900	52,3	71,1	14 100	60,0
62,0	50,3	69,7	12 700	50,6	69,3	12 800	62,0
64,0	48,5	67,8	11 500	48,8	67,4	11 700	64,0
66,0	46,7	65,9	10 500	47,0	65,4	10 600	66,0
68,0	44,9	63,8	9 500	45,2	63,3	9 600	68,0
70,0	43,0	61,5	8 500	43,3	61,0	8 600	70,0
72,0	41,0	59,1	7 600	41,2	58,6	7 700	72,0
74,0	38,9	56,5	6 800	39,2	56,0	6 800	74,0
76,0	36,7	53,7	5 900	36,9	53,2	6 000	76,0
78,0	34,4	50,6	5 100 *				78,0

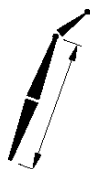


58WA

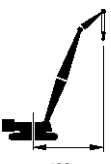
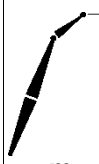
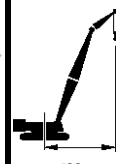
166 920 kg
+
54 430 kg



360°

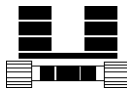


86,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
16,8	82,8	94,7	123 900 *				16,8
18,0	82,1	94,5	116 200				18,0
20,0	80,8	94,1	100 100	81,3	93,8	101 000	20,0
22,0	79,6	93,7	86 700	80,0	93,4	87 600	22,0
24,0	78,3	93,2	76 100	78,7	92,9	76 800	24,0
26,0	77,0	92,7	67 300	77,5	92,4	68 000	26,0
28,0	75,7	92,1	60 000	76,2	91,8	60 600	28,0
30,0	74,5	91,5	53 900	74,9	91,2	54 400	30,0
32,0	73,2	90,8	48 500	73,6	90,5	49 000	32,0
34,0	71,9	90,1	43 900	72,3	89,8	44 300	34,0
36,0	70,5	89,3	39 900	71,0	89,0	40 300	36,0
38,0	69,2	88,5	36 300	69,6	88,2	36 700	38,0
40,0	67,9	87,6	33 100	68,3	87,3	33 400	40,0
42,0	66,5	86,7	30 200	66,9	86,4	30 600	42,0
44,0	65,1	85,7	27 700	65,5	85,4	28 000	44,0
46,0	63,8	84,7	25 400	64,1	84,3	25 600	46,0
48,0	62,4	83,5	23 200	62,7	83,2	23 500	48,0
50,0	60,9	82,4	21 300	61,3	82,0	21 500	50,0
52,0	59,5	81,1	19 500	59,8	80,8	19 700	52,0
54,0	58,0	79,8	17 800	58,4	79,4	18 100	54,0
56,0	56,5	78,4	16 300	56,9	78,0	16 500	56,0
58,0	55,0	76,9	14 900	55,3	76,5	15 100	58,0
60,0	53,4	75,3	13 600	53,7	75,0	13 800	60,0
62,0	51,8	73,7	12 400	52,1	73,3	12 500	62,0
64,0	50,2	71,9	11 200	50,5	71,5	11 400	64,0
66,0	48,5	70,1	10 200	48,8	69,7	10 300	66,0
68,0	46,8	68,1	9 200	47,1	67,7	9 300	68,0
70,0	45,0	66,0	8 200	45,3	65,6	8 300	70,0
72,0	43,2	63,8	7 300	43,4	63,3	7 400	72,0
74,0	41,3	61,4	6 500	41,5	60,9	6 600	74,0
76,0	39,3	58,8	5 700	39,5	58,3	5 700	76,0



58WA



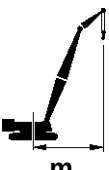
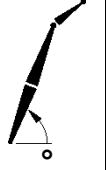
166 920 kg
+
54 430 kg



360°



89,0 m

	28°			35°			
 m	 m	 m	 kg	 m	 m	 kg	 m
18,3	82,1	97,5	114 200	82,6	97,2	111 400 *	18,3
20,0	81,1	97,2	99 800	81,5	96,8	101 000	20,0
22,0	79,9	96,7	86 500	80,3	96,4	87 300	22,0
24,0	78,7	96,3	75 800	79,1	96,0	76 500	24,0
26,0	77,4	95,8	67 000	77,9	95,5	67 700	26,0
28,0	76,2	95,2	59 700	76,6	94,9	60 300	28,0
30,0	75,0	94,6	53 500	75,4	94,3	54 000	30,0
32,0	73,7	94,0	48 200	74,1	93,7	48 700	32,0
34,0	72,5	93,3	43 500	72,9	93,0	44 000	34,0
36,0	71,2	92,6	39 400	71,6	92,2	39 900	36,0
38,0	69,9	91,8	35 900	70,3	91,4	36 300	38,0
40,0	68,6	90,9	32 700	69,0	90,6	33 100	40,0
42,0	67,3	90,0	29 800	67,7	89,7	30 100	42,0
44,0	66,0	89,1	27 300	66,4	88,7	27 500	44,0
46,0	64,7	88,1	24 900	65,0	87,7	25 200	46,0
48,0	63,3	87,0	22 800	63,7	86,6	23 100	48,0
50,0	61,9	85,9	20 800	62,3	85,5	21 100	50,0
52,0	60,5	84,7	19 100	60,9	84,3	19 300	52,0
54,0	59,1	83,4	17 400	59,5	83,0	17 600	54,0
56,0	57,7	82,1	15 900	58,0	81,7	16 100	56,0
58,0	56,3	80,6	14 500	56,6	80,3	14 700	58,0
60,0	54,8	79,2	13 100	55,1	78,8	13 300	60,0
62,0	53,3	77,6	11 900	53,6	77,2	12 100	62,0
64,0	51,7	75,9	10 800	52,0	75,5	10 900	64,0
66,0	50,1	74,2	9 700	50,4	73,8	9 900	66,0
68,0	48,5	72,3	8 700	48,8	71,9	8 900	68,0
70,0	46,8	70,3	7 800	47,1	69,9	7 900	70,0
72,0	45,1	68,3	6 900	45,4	67,8	7 000	72,0
74,0	43,3	66,0	6 000	43,6	65,6	6 100	74,0
76,0	41,5	63,7	5 000 *	41,7	63,2	5 100 *	76,0

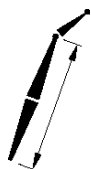


58WA

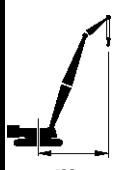
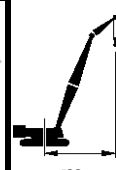
166 920 kg
+
54 430 kg



360°



92,0 m

 m	28° 			35° 			 m
	 °	m	kg	 °	m	kg	
18,3	82,4	100,5	108 500 *	82,8	100,2	105 000 *	18,3
20,0	81,4	100,2	100 000	81,8	99,9	101 100	20,0
22,0	80,2	99,8	86 300	80,6	99,5	87 100	22,0
24,0	79,0	99,4	75 600	79,4	99,1	76 300	24,0
26,0	77,8	98,9	66 800	78,2	98,6	67 400	26,0
28,0	76,6	98,4	59 500	77,0	98,0	60 000	28,0
30,0	75,4	97,8	53 300	75,8	97,5	53 700	30,0
32,0	74,2	97,2	47 900	74,6	96,8	48 400	32,0
34,0	73,0	96,5	43 300	73,4	96,2	43 700	34,0
36,0	71,8	95,8	39 200	72,2	95,4	39 600	36,0
38,0	70,5	95,0	35 600	70,9	94,7	35 900	38,0
40,0	69,3	94,2	32 400	69,7	93,9	32 700	40,0
42,0	68,0	93,3	29 600	68,4	93,0	29 800	42,0
44,0	66,8	92,4	27 000	67,1	92,1	27 200	44,0
46,0	65,5	91,4	24 700	65,9	91,1	24 900	46,0
48,0	64,2	90,4	22 500	64,5	90,1	22 700	48,0
50,0	62,9	89,3	20 600	63,2	89,0	20 700	50,0
52,0	61,5	88,2	18 800	61,9	87,8	18 900	52,0
54,0	60,2	86,9	17 200	60,5	86,6	17 300	54,0
56,0	58,8	85,7	15 700	59,2	85,3	15 700	56,0
58,0	57,4	84,3	14 200	57,8	83,9	14 300	58,0
60,0	56,0	82,9	12 900	56,3	82,5	13 000	60,0
62,0	54,6	81,4	11 700	54,9	81,0	11 800	62,0
64,0	53,1	79,8	10 500	53,4	79,4	10 600	64,0
66,0	51,6	78,2	9 500	51,9	77,8	9 500	66,0
68,0	50,1	76,4	8 500	50,4	76,0	8 500	68,0
70,0	48,5	74,5	7 500	48,8	74,1	7 500	70,0
72,0	46,9	72,6	6 600	47,1	72,2	6 600	72,0
74,0	45,2	70,5	5 600 *	45,5	70,1	5 600 *	74,0
76,0	43,5	68,3	4 600 *	43,7	67,8	4 600 *	76,0