

Liftcrane Boom Extended Upper Point Capacities

Boom No. 58BRS with 7,6 m Extended

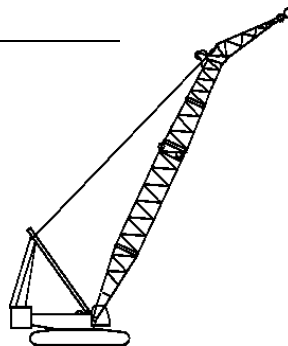
Upper Boom Point

166 920 kg Crane Counterweight

18 730 kg Auxiliary Counterweight

54 430 kg Carbody Counterweight

360 Degree Rating



16000 SERIES 5



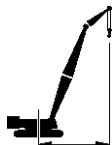
LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

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. 81016771**, Boom Raising Procedure **No. 8971-A**, Wire Rope Specification chart **No. 8965-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. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8966-A**



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 ($^{\circ}$) 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:

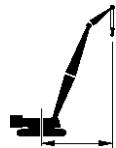
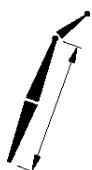
Extended upper boom point elevation is vertical distance from ground level to centerline of extended upper boom point (lower sheave) shaft.

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, auxiliary counterweight tray and two 7 940 kg counterweights, two 13 610 kg and four 6 800 kg carbody counterweights.

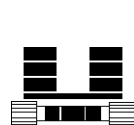
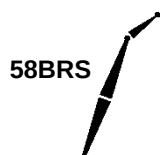
With or Without Boom Catwalks
Boom Lengths Lifted Using Boom Raising System
Over End of Blocked Crawlers
Boom Length
89,0 - 107,0 m
Load block, hook and weight ball on ground until combined weights are within rated capacity of chart.

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.

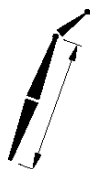
Explanation of Symbols

58BRS 	Boom No. 58BRS with 7,6 m Extended Upper Boom Point
	Crane Counterweight + Auxiliary 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

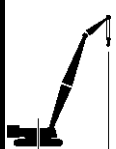
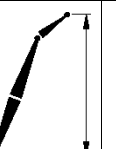
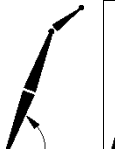
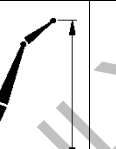
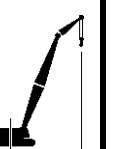
16000 SERIES 5 ANSI B30.5



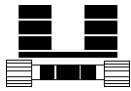
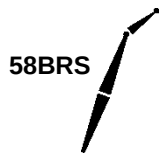
166 920 kg
+
18 730 kg
+
54 430 kg



89,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
18,3	82,1	97,5	116 000 *	82,6	97,1	111 900 *	18,3
20,0	81,1	97,1	106 100 *	81,5	96,8	107 100 *	20,0
22,0	79,9	96,7	93 300 *	80,3	96,4	94 000 *	22,0
24,0	78,7	96,3	82 800 *	79,1	96,0	83 400 *	24,0
26,0	77,4	95,8	73 900 *	77,9	95,4	74 500 *	26,0
28,0	76,2	95,2	66 400 *	76,6	94,9	66 900 *	28,0
30,0	75,0	94,6	59 700 *	75,4	94,3	60 300 *	30,0
32,0	73,7	94,0	53 800 *	74,1	93,7	54 400 *	32,0
34,0	72,4	93,3	48 700 *	72,8	93,0	49 300 *	34,0
36,0	71,2	92,5	44 200 *	71,6	92,2	44 800 *	36,0
38,0	69,9	91,7	40 200 *	70,3	91,4	40 700 *	38,0
40,0	68,6	90,9	36 600 *	69,0	90,6	37 100 *	40,0
42,0	67,3	90,0	33 300 *	67,7	89,7	33 800 *	42,0
44,0	66,0	89,0	30 400 *	66,4	88,7	30 800 *	44,0
46,0	64,6	88,0	27 700 *	65,0	87,7	28 100 *	46,0
48,0	63,3	87,0	25 200 *	63,7	86,6	25 600 *	48,0
50,0	61,9	85,8	23 000 *	62,3	85,5	23 300 *	50,0
52,0	60,5	84,6	20 900 *	60,9	84,3	21 200 *	52,0
54,0	59,1	83,4	18 900 *	59,5	83,0	19 200 *	54,0
56,0	57,7	82,0	17 100 *	58,0	81,7	17 400 *	56,0
58,0	56,2	80,6	15 400 *	56,6	80,2	15 700 *	58,0
60,0	54,8	79,1	13 900 *	55,1	78,7	14 100 *	60,0
62,0	53,2	77,6	12 400 *	53,6	77,2	12 600 *	62,0
64,0	51,7	75,9	11 000 *	52,0	75,5	11 200 *	64,0
66,0	50,1	74,1	9 700 *	50,4	73,7	9 900 *	66,0
68,0	48,5	72,3	8 500 *	48,8	71,9	8 700 *	68,0
70,0	46,8	70,3	7 400 *	47,1	69,9	7 500 *	70,0
72,0	45,1	68,2	6 200 *	45,4	67,8	6 400 *	72,0
74,0	43,3	66,0	5 200 *	43,6	65,5	5 300 *	74,0

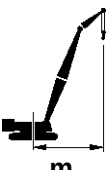
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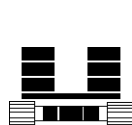
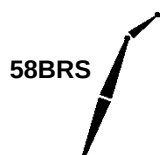
166 920 kg
+
18 730 kg
+
54 430 kg



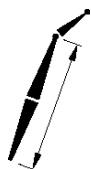
92,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
18,3	82,4	100,5	108 800 *	82,8	100,2	105 700 *	18,3
20,0	81,4	100,2	105 400 *	81,8	99,9	105 000 *	20,0
22,0	80,2	99,8	92 300 *	80,6	99,5	93 200 *	22,0
24,0	79,0	99,3	81 800 *	79,4	99,0	82 500 *	24,0
26,0	77,8	98,9	73 100 *	78,2	98,5	73 700 *	26,0
28,0	76,6	98,3	65 500 *	77,0	98,0	66 100 *	28,0
30,0	75,4	97,8	58 900 *	75,8	97,4	59 500 *	30,0
32,0	74,2	97,1	53 100 *	74,6	96,8	53 700 *	32,0
34,0	73,0	96,5	48 000 *	73,4	96,1	48 600 *	34,0
36,0	71,8	95,7	43 500 *	72,2	95,4	44 000 *	36,0
38,0	70,5	95,0	39 500 *	70,9	94,7	40 000 *	38,0
40,0	69,3	94,2	35 900 *	69,7	93,8	36 300 *	40,0
42,0	68,0	93,3	32 600 *	68,4	93,0	33 000 *	42,0
44,0	66,8	92,4	29 700 *	67,1	92,0	30 100 *	44,0
46,0	65,5	91,4	26 900 *	65,8	91,1	27 300 *	46,0
48,0	64,2	90,4	24 500 *	64,5	90,0	24 800 *	48,0
50,0	62,9	89,3	22 200 *	63,2	88,9	22 500 *	50,0
52,0	61,5	88,1	20 100 *	61,9	87,8	20 400 *	52,0
54,0	60,2	86,9	18 200 *	60,5	86,6	18 500 *	54,0
56,0	58,8	85,6	16 400 *	59,1	85,3	16 700 *	56,0
58,0	57,4	84,3	14 700 *	57,7	83,9	15 000 *	58,0
60,0	56,0	82,9	13 200 *	56,3	82,5	13 400 *	60,0
62,0	54,6	81,4	11 700 *	54,9	81,0	11 900 *	62,0
64,0	53,1	79,8	10 300 *	53,4	79,4	10 500 *	64,0
66,0	51,6	78,1	9 000 *	51,9	77,7	9 200 *	66,0
68,0	50,1	76,4	7 800 *	50,3	76,0	8 000 *	68,0
70,0	48,5	74,5	6 600 *	48,8	74,1	6 800 *	70,0
72,0	46,9	72,6	5 600 *	47,1	72,1	5 700 *	72,0

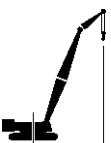
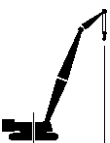
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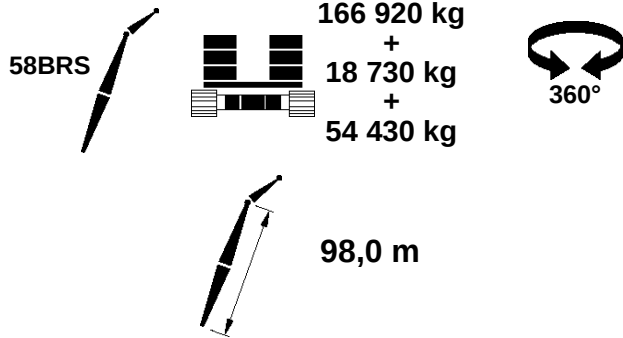
166 920 kg
+
18 730 kg
+
54 430 kg



95,0 m

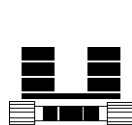
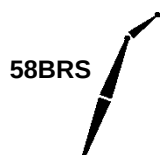
	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
18,3	82,6	103,5	107 000 *	83,0	103,2	101 600 *	18,3
20,0	81,6	103,2	104 600 *	82,0	102,9	98 300 *	20,0
22,0	80,5	102,9	91 600 *	80,9	102,5	93 400 *	22,0
24,0	79,3	102,4	81 200 *	79,7	102,1	82 000 *	24,0
26,0	78,2	102,0	72 400 *	78,6	101,6	73 100 *	26,0
28,0	77,0	101,4	64 800 *	77,4	101,1	65 500 *	28,0
30,0	75,9	100,9	58 300 *	76,3	100,6	59 000 *	30,0
32,0	74,7	100,3	52 400 *	75,1	100,0	53 100 *	32,0
34,0	73,5	99,6	47 400 *	73,9	99,3	48 000 *	34,0
36,0	72,3	98,9	42 900 *	72,7	98,6	43 400 *	36,0
38,0	71,1	98,2	38 800 *	71,5	97,9	39 400 *	38,0
40,0	69,9	97,4	35 200 *	70,3	97,1	35 700 *	40,0
42,0	68,7	96,6	32 000 *	69,1	96,2	32 400 *	42,0
44,0	67,5	95,7	29 000 *	67,9	95,3	29 400 *	44,0
46,0	66,3	94,7	26 300 *	66,6	94,4	26 800 *	46,0
48,0	65,0	93,8	23 900 *	65,4	93,4	24 300 *	48,0
50,0	63,7	92,7	21 600 *	64,1	92,4	22 000 *	50,0
52,0	62,5	91,6	19 500 *	62,8	91,2	19 900 *	52,0
54,0	61,2	90,4	17 600 *	61,5	90,1	17 900 *	54,0
56,0	59,8	89,2	15 800 *	60,2	88,8	16 100 *	56,0
58,0	58,5	87,9	14 100 *	58,8	87,5	14 400 *	58,0
60,0	57,2	86,6	12 600 *	57,5	86,2	12 800 *	60,0
62,0	55,8	85,1	11 100 *	56,1	84,7	11 400 *	62,0
64,0	54,4	83,6	9 800 *	54,7	83,2	10 000 *	64,0
66,0	52,9	82,0	8 500 *	53,2	81,6	8 600 *	66,0
68,0	51,5	80,4	7 200 *	51,8	80,0	7 400 *	68,0
70,0	50,0	78,6	6 100 *	50,3	78,2	6 300 *	70,0
72,0				48,7	76,3	5 100 *	72,0

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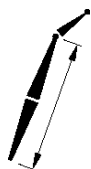


	28°			35°			
m	m	m	kg	m	kg	m	m
18,3	82,8	106,6	105 700 *	82,3	106,0	95 800 *	18,3
20,0	81,9	106,3	103 600 *				20,0
22,0	80,8	105,9	90 600 *	81,2	105,6	92 700 *	22,0
24,0	79,6	105,5	80 300 *	80,0	105,2	81 000 *	24,0
26,0	78,5	105,0	71 500 *	78,9	104,7	72 200 *	26,0
28,0	77,4	104,5	64 000 *	77,8	104,2	64 700 *	28,0
30,0	76,3	104,0	57 500 *	76,7	103,7	58 200 *	30,0
32,0	75,1	103,4	51 700 *	75,5	103,1	52 400 *	32,0
34,0	74,0	102,8	46 600 *	74,4	102,5	47 200 *	34,0
36,0	72,9	102,1	42 100 *	73,2	101,8	42 700 *	36,0
38,0	71,7	101,4	38 100 *	72,1	101,1	38 700 *	38,0
40,0	70,5	100,6	34 500 *	70,9	100,3	35 000 *	40,0
42,0	69,4	99,8	31 200 *	69,7	99,5	31 700 *	42,0
44,0	68,2	99,0	28 300 *	68,5	98,6	28 700 *	44,0
46,0	67,0	98,1	25 600 *	67,3	97,7	26 000 *	46,0
48,0	65,8	97,1	23 100 *	66,1	96,8	23 500 *	48,0
50,0	64,6	96,1	20 900 *	64,9	95,7	21 200 *	50,0
52,0	63,3	95,0	18 800 *	63,7	94,7	19 100 *	52,0
54,0	62,1	93,9	16 900 *	62,4	93,6	17 200 *	54,0
56,0	60,8	92,7	15 100 *	61,1	92,4	15 400 *	56,0
58,0	59,5	91,5	13 400 *	59,8	91,1	13 700 *	58,0
60,0	58,2	90,2	11 900 *	58,5	89,8	12 100 *	60,0
62,0	56,9	88,8	10 400 *	57,2	88,4	10 600 *	62,0
64,0	55,6	87,4	9 000 *	55,9	87,0	9 300 *	64,0
66,0	54,2	85,9	7 700 *	54,5	85,5	8 000 *	66,0
68,0	52,8	84,3	6 500 *	53,1	83,9	6 700 *	68,0
70,0	51,4	82,6	5 400 *	51,7	82,2	5 500 *	70,0

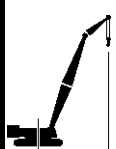
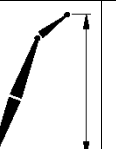
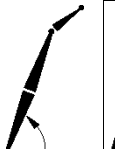
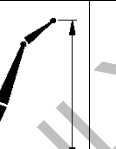
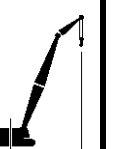
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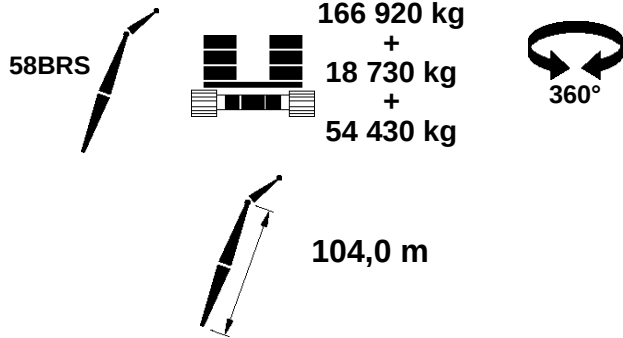
166 920 kg
+
18 730 kg
+
54 430 kg



101,0 m

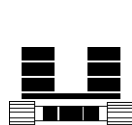
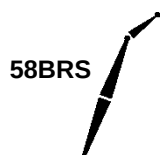
	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
19,8	82,2	109,4	99 800 *	82,6	109,1	93 000 *	19,8
20,0	82,1	109,3	99 300 *	82,5	109,0	92 800 *	20,0
22,0	81,0	109,0	92 700 *	81,4	108,7	90 400 *	22,0
24,0	79,9	108,6	81 600 *	80,3	108,2	82 900 *	24,0
26,0	78,9	108,1	72 800 *	79,2	107,8	73 500 *	26,0
28,0	77,8	107,6	65 000 *	78,1	107,3	65 800 *	28,0
30,0	76,7	107,1	58 300 *	77,0	106,8	59 000 *	30,0
32,0	75,6	106,5	52 400 *	75,9	106,2	53 100 *	32,0
34,0	74,5	105,9	47 300 *	74,8	105,6	47 900 *	34,0
36,0	73,4	105,3	42 800 *	73,7	105,0	43 300 *	36,0
38,0	72,2	104,6	38 700 *	72,6	104,3	39 300 *	38,0
40,0	71,1	103,9	35 100 *	71,5	103,5	35 600 *	40,0
42,0	70,0	103,1	31 900 *	70,3	102,7	32 300 *	42,0
44,0	68,8	102,2	28 900 *	69,2	101,9	29 300 *	44,0
46,0	67,7	101,4	26 200 *	68,0	101,0	26 600 *	46,0
48,0	66,5	100,4	23 700 *	66,8	100,1	24 100 *	48,0
50,0	65,3	99,5	21 500 *	65,7	99,1	21 800 *	50,0
52,0	64,1	98,4	19 400 *	64,5	98,1	19 700 *	52,0
54,0	62,9	97,3	17 400 *	63,2	97,0	17 800 *	54,0
56,0	61,7	96,2	15 700 *	62,0	95,9	15 900 *	56,0
58,0	60,5	95,0	14 000 *	60,8	94,7	14 300 *	58,0
60,0	59,2	93,8	12 400 *	59,5	93,4	12 700 *	60,0
62,0	58,0	92,4	11 000 *	58,3	92,1	11 200 *	62,0
64,0	56,7	91,1	9 600 *	57,0	90,7	9 800 *	64,0
66,0	55,4	89,6	8 300 *	55,7	89,2	8 500 *	66,0
68,0	54,0	88,1	7 000 *	54,3	87,7	7 300 *	68,0
70,0	52,7	86,5	5 900 *	53,0	86,1	6 100 *	70,0

16000 SERIES 5 ANSI B30.5

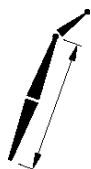


	28°			35°			
m	°	m	kg	°	m	kg	m
19,8	82,4	112,4	91 100 *	82,8	112,1	86 000 *	19,8
20,0	82,3	112,4	90 900 *	82,7	112,1	85 800 *	20,0
22,0	81,3	112,0	88 500 *	81,6	111,7	84 100 *	22,0
24,0	80,2	111,6	81 800 *	80,6	111,3	81 200 *	24,0
26,0	79,2	111,2	72 500 *	79,5	110,9	73 200 *	26,0
28,0	78,1	110,7	64 900 *	78,5	110,4	65 600 *	28,0
30,0	77,0	110,2	58 100 *	77,4	109,9	58 900 *	30,0
32,0	76,0	109,7	52 300 *	76,3	109,3	53 000 *	32,0
34,0	74,9	109,1	47 200 *	75,3	108,8	47 800 *	34,0
36,0	73,8	108,4	42 600 *	74,2	108,1	43 200 *	36,0
38,0	72,7	107,8	38 600 *	73,1	107,4	39 100 *	38,0
40,0	71,6	107,1	35 000 *	72,0	106,7	35 500 *	40,0
42,0	70,5	106,3	31 700 *	70,9	106,0	32 200 *	42,0
44,0	69,4	105,5	28 800 *	69,8	105,2	29 200 *	44,0
46,0	68,3	104,6	26 100 *	68,6	104,3	26 500 *	46,0
48,0	67,2	103,7	23 600 *	67,5	103,4	24 000 *	48,0
50,0	66,0	102,8	21 400 *	66,4	102,5	21 700 *	50,0
52,0	64,9	101,8	19 300 *	65,2	101,5	19 600 *	52,0
54,0	63,7	100,8	17 300 *	64,0	100,4	17 600 *	54,0
56,0	62,6	99,7	15 500 *	62,9	99,3	15 900 *	56,0
58,0	61,4	98,5	13 900 *	61,7	98,2	14 200 *	58,0
60,0	60,2	97,3	12 300 *	60,5	96,9	12 600 *	60,0
62,0	58,9	96,0	10 900 *	59,2	95,7	11 100 *	62,0
64,0	57,7	94,7	9 500 *	58,0	94,3	9 700 *	64,0
66,0	56,5	93,3	8 200 *	56,7	93,0	8 400 *	66,0
68,0	55,2	91,9	7 000 *	55,5	91,5	7 200 *	68,0
70,0	53,9	90,3	5 800 *	54,2	90,0	6 000 *	70,0

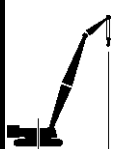
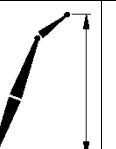
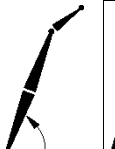
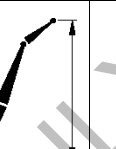
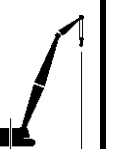
16000 SERIES 5 ANSI B30.5



166 920 kg
+
18 730 kg
+
54 430 kg



107,0 m

	28°			35°			
 m	 °	 m	 kg	 °	 m	 kg	 m
19,8	82,6	115,4	87 900 *				19,8
20,0	82,5	115,4	87 800 *				20,0
22,0	81,5	115,1	86 600 *	81,9	114,8	82 000 *	22,0
24,0	80,5	114,7	81 100 *	80,8	114,4	80 100 *	24,0
26,0	79,5	114,3	71 800 *	79,8	113,9	72 600 *	26,0
28,0	78,4	113,8	64 300 *	78,8	113,5	65 000 *	28,0
30,0	77,4	113,3	57 600 *	77,7	113,0	58 300 *	30,0
32,0	76,4	112,8	51 700 *	76,7	112,5	52 400 *	32,0
34,0	75,3	112,2	46 600 *	75,7	111,9	47 200 *	34,0
36,0	74,3	111,6	42 100 *	74,6	111,3	42 700 *	36,0
38,0	73,2	110,9	38 100 *	73,5	110,6	38 600 *	38,0
40,0	72,1	110,2	34 400 *	72,5	109,9	34 900 *	40,0
42,0	71,1	109,5	31 200 *	71,4	109,2	31 700 *	42,0
44,0	70,0	108,7	28 200 *	70,3	108,4	28 700 *	44,0
46,0	68,9	107,9	25 500 *	69,2	107,6	25 900 *	46,0
48,0	67,8	107,0	23 000 *	68,1	106,7	23 400 *	48,0
50,0	66,7	106,1	20 800 *	67,0	105,8	21 100 *	50,0
52,0	65,6	105,2	18 700 *	65,9	104,8	19 000 *	52,0
54,0	64,5	104,2	16 700 *	64,8	103,8	17 100 *	54,0
56,0	63,3	103,1	14 900 *	63,7	102,7	15 300 *	56,0
58,0	62,2	102,0	13 300 *	62,5	101,6	13 600 *	58,0
60,0	61,0	100,8	11 700 *	61,3	100,5	12 000 *	60,0
62,0	59,9	99,6	10 300 *	60,2	99,2	10 500 *	62,0
64,0	58,7	98,3	8 900 *	59,0	98,0	9 200 *	64,0
66,0	57,5	97,0	7 600 *	57,7	96,6	7 900 *	66,0
68,0	56,2	95,6	6 400 *	56,5	95,2	6 600 *	68,0
70,0	55,0	94,1	5 300 *	55,3	93,7	5 500 *	70,0