

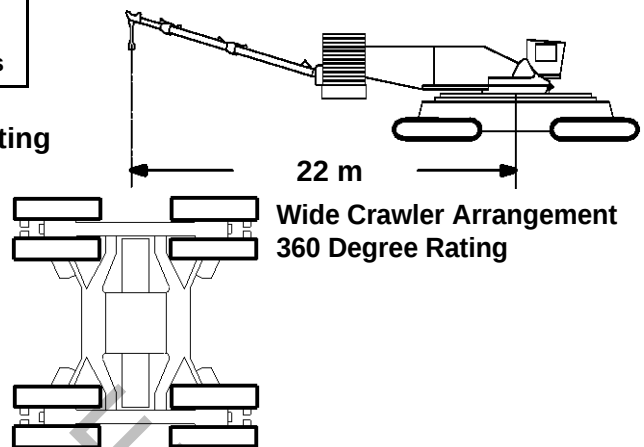
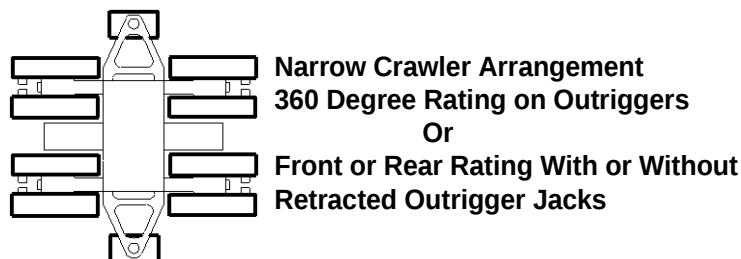
Liftcrane Luffing Jib Capacities

21000
MAX-ER

Luffing Jib No. 81 On
Boom No. 80 With 42,7 m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position

Meets
ANSI B30.5
Requirements

Narrow or Wide Crawler Arrangement - 360 Degree Rating



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 (*). **360 degree operation requires set outrigger jacks for narrow crawler arrangement.**

Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

Caution: Do not luff into area indicated by (c) with 16 780 kg minimum weight. Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

Exit MAX-ER mode before operating without hanging counterweight.

Simultaneous hoisting of both load drums is required for even block travel.

Upper luffing jib point capacity for liftcrane service with single part whip line is 22 130 kg or 44 270 kg with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing jib are 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

General: Machine to operate on a firm uniformly supporting surface with gantry in intermediate position, mast up and bearing turntable level within a tolerance of 13 mm in 3 m and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib rigging assembly **No. 192589** and Wire Rope Specification chart **No. 8201-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.

Narrow Crawler Arrangement: Narrow crawler arrangement (9,1 m) requires outriggers with jacks set for 360 degree operation (no travel). Refer to Operator's Manual for jacking instructions. Operation restricted to limited swing over front or rear with outrigger jacks retracted or outriggers removed. Refer to Operating Range Diagram chart **No. 8141-A**.

Wide Crawler Arrangement: Operation with wide crawler arrangement (14,5m) is 360 degrees.

MACHINE TRAVEL

General: Machine to travel on a firm, level, and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8679-A**.

Narrow Crawler Arrangement: Narrow crawler arrangement (9,1m) travel allowed only with upperworks centered over front or rear of lowerworks (no swing) with outrigger jacks retracted or outriggers removed.

Wide Crawler Arrangement: Wide crawler arrangement (14,5m) travel allowed with 360 degree rating.

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Boom No. 80 With 42,7 m Mast No. 81

208 060 kg Crane Counterweight

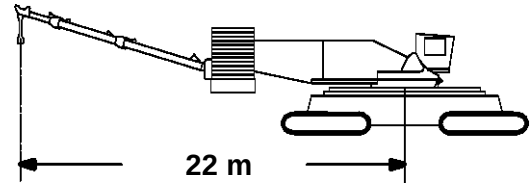
90 720 kg Carbody Counterweight

0 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with MAX-ER, lowerworks carbody beams, outriggers, eight 4 978 mm crawlers, 1 219 mm treads, 42,7 m mast, 8 534 mm retractable gantry, 20 part boom hoist reeving,

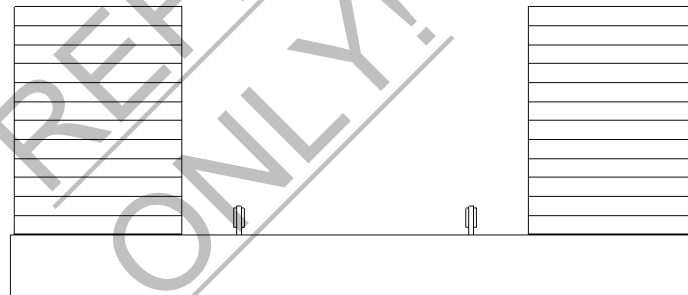
boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 208 060 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 0 kg hanging counterweight.

Warning: Front carbody platform must be removed when raising or lowering boom.

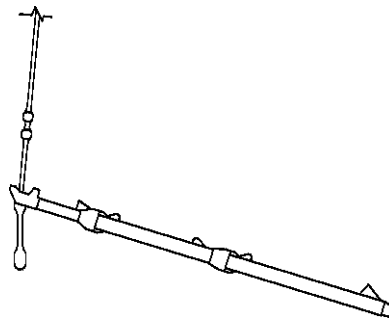
Warning: Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

Machine may tip over side with outrigger jacks retracted or removed. Refer to wind folio for restrictions.

WARNING: Check amount of crane counterweight and hanging counterweight on machine before use of this chart. Refer to Counterweight Assemblies.



208 060 kg Crane Counterweight
24 Side Boxes



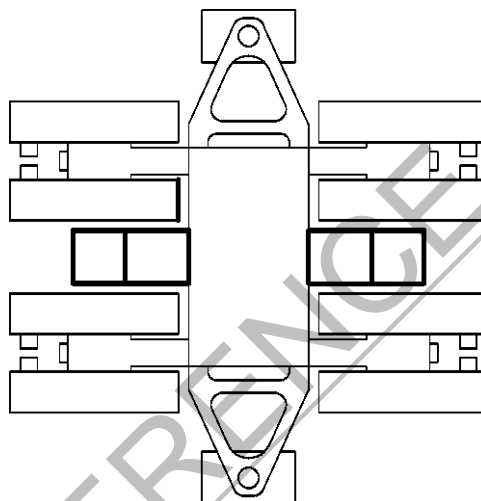
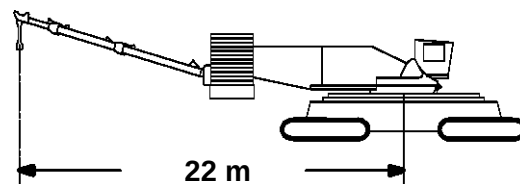
0 kg Hanging Counterweight

Liftcrane Luffing Jib Capacities

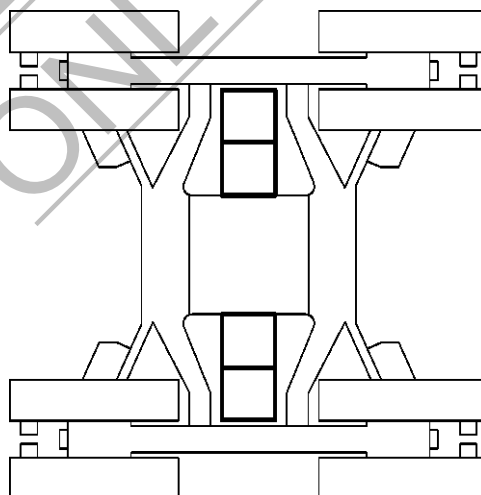
Luffing Jib No. 81 On
Boom No. 80 With 42,7 m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



90 720 kg Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Narrow Crawler Arrangement



90 720 kg Carbody Counterweight
2 Inner Boxes - 2 Outer Boxes
Wide Crawler Arrangement

Liftcrane Luffing Jib Capacities

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Luffing Jib No. 81 On

Boom No. 80 With 42,7 m Mast No. 81

208 060 kg Crane Counterweight

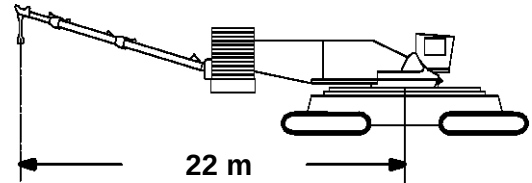
90 720 kg Carbody Counterweight

0 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



WITH OR WITHOUT BOOM AND/OR JIB CATWALKS		
Maximum Boom and Luffing Jib Lengths Lifted Unassisted Using Jack-Knife Method With 0 kg Hanging Counterweight		
Boom Length Meters	Luffing Jib No. 81 Meters	Boom to Luffing Jib Angle Degrees
Over End of Blocked Crawlers		
54,9	36,6 - 91,4	60
61,0	36,6 - 73,2	60
Over End of Unblocked Crawlers		
54,9	36,6 - 91,4	60
61,0	36,6 - 54,9	60
Load blocks, hook and weight ball on ground until boom and luffing jib are erected.		

RAISING AND LOWERING PROCEDURE

Boom and luffing jib combinations must be raised and lowered using jack-knife method.

Release swing brake (disengage swing lock) and slowly raise boom while jib point dolly is allowed to roll on ground. Tension should be applied to luffing jib hoist to keep jib strut off luffing jib during boom raising. Boom up until boom to luffing jib angle reaches value specified in table or jib is vertical, whichever occurs first. Tighten luffing jib suspension with luffing jib hoist. Boom and luffing jib are then raised together using boom hoist until boom reaches desired boom operating angle. Luffing jib radius must be within capacity chart before swinging over side of machine.

Position boom at 85 degrees prior to lowering luffing jib. Lower luffing jib until boom to luffing jib angle reaches value specified in table. Lower boom until luffing jib point is just above ground. If luffing jib is hanging vertical, raise luffing jib a few degrees forward of vertical. Position dolly under jib point, then lower jib point onto dolly. Release swing brake (disengage swing lock) and continue to lower boom while luffing jib rolls along ground. Keep enough tension on luffing jib hoist to keep jib strut off luffing jib.

NOTE: Upper jib point cannot be installed until boom and jib are jack-knifed into position and must be removed before contacting ground when lowering.

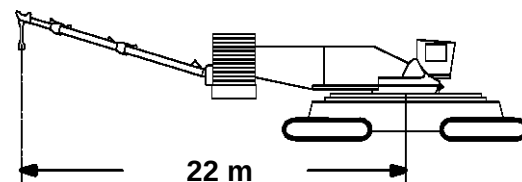
CAUTION: Do not under any condition allow boom to luffing jib angle to become less than

Liftcrane Luffing Jib Capacities

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Boom No. 80 With 42,7 m Mast No. 81
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90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



60 degrees.

54,9 m (180 ft) Boom
36,6 m (120 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
18,3			c			
20,0			c			
22,0			c			
24,0	64,4	90,9	227 500*b			
26,0	60,8	89,8	207 400*b			c
28,0	57,1	88,6	190 400*b	65,8	90,6	177 900*b
30,0	53,2	87,1	175 700*	62,2	89,6	164 000*b
32,0	49,1	85,4	162 700*	58,6	88,4	151 900*b
34,0	44,7	83,4	151 300*	54,7	87,0	141 300*b
36,0	39,9	81,1	141 100*	50,7	85,4	131 800*
38,0	34,5	78,3	131 900*	46,4	83,5	123 200*
40,0	28,1	74,7	123 500*	41,8	81,3	115 500*
42,0	19,9	69,9	115 600*	36,7	78,7	108 500*
44,0				30,8	75,6	101 900*
46,0				23,5	71,4	95 900*

Capacities indicated by (b) require
16 780 kg minimum weight
suspended beneath luffing jib point.

54,9 m (180 ft) Boom
42,7 m (140 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
19,8			c			
20,0			c			
22,0			c			
24,0	68,3	97,7	226 300*b			
26,0	65,3	96,7	206 300*b			
28,0	62,3	95,7	189 400*b			
30,0	59,2	94,5	174 700*	66,5	96,4	162 600*b
32,0	56,0	93,2	161 900*	63,5	95,4	150 500*b
34,0	52,6	91,7	150 600*	60,4	94,3	140 000*b
36,0	49,1	90,0	140 500*	57,2	93,0	130 600*
38,0	45,3	88,0	131 500*	53,9	91,6	122 100*
40,0	41,3	85,8	123 300*	50,5	90,0	114 600*
42,0	36,9	83,2	115 900*	46,8	88,1	107 600*
44,0	32,0	80,1	109 100*	42,9	86,0	101 400*
46,0	26,2	76,3	102 700*	38,7	83,6	95 600*
48,0	18,8	71,2	96 700*	34,0	80,7	90 200*
50,0				28,6	77,3	85 200*
52,0				22,0	72,8	80 400*

Do not luff into area indicated by
(c) with 16 780 kg minimum
weight (see CAUTION on page 1).

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Boom No. 80 With 42,7 m Mast No. 81

208 060 kg Crane Counterweight

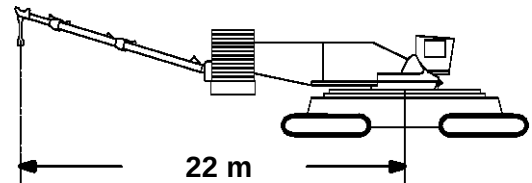
90 720 kg Carbody Counterweight

0 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m (180 ft) Boom

48,8 m (160 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
21,3			c			
22,0			c			
24,0	71,1	104,2	225 300*b			
26,0	68,6	103,4	205 400*b			
28,0	66,0	102,6	188 500*b			
30,0	63,4	101,6	173 900*			
32,0	60,7	100,4	161 100*	67,1	102,2	149 400*b
34,0	58,0	99,2	149 900*	64,5	101,3	138 900*b
36,0	55,1	97,8	139 900*	61,8	100,2	129 500*
38,0	52,1	96,3	130 900*	59,1	99,0	121 200*
40,0	49,1	94,6	122 900*	56,2	97,7	113 700*
42,0	45,8	92,7	115 500*	53,3	96,2	106 800*
44,0	42,3	90,5	108 800*	50,3	94,6	100 600*
46,0	38,6	88,1	102 700*	47,1	92,7	94 900*
48,0	34,6	85,2	97 100*	43,7	90,7	89 700*
50,0	30,0	81,9	91 800*	40,1	88,4	84 900*
52,0	24,7	77,8	86 900*	36,2	85,7	80 400*
54,0	17,9	72,4	82 100*	31,9	82,6	76 100*
56,0				26,9	78,9	72 100*
58,0				20,8	74,1	68 300*

54,9 m (180 ft) Boom

54,9 m (180 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
22,9	74,6	111,0	236 100*b			
24,0	73,3	110,7	223 800*b			
26,0	71,1	110,0	204 000*b			
28,0	68,9	109,2	187 100*b			
30,0	66,6	108,3	172 500*			
32,0	64,3	107,4	159 800*	69,7	108,8	147 600*b
34,0	61,9	106,3	148 600*	67,5	108,0	137 200*
36,0	59,5	105,2	138 600*	65,2	107,1	127 800*
38,0	57,0	103,9	129 700*	62,9	106,1	119 500*
40,0	54,4	102,4	121 600*	60,5	104,9	112 100*
42,0	51,8	100,9	114 400*	58,0	103,7	105 300*
44,0	49,0	99,2	107 800*	55,5	102,3	99 200*
46,0	46,2	97,3	101 700*	52,9	100,8	93 500*
48,0	43,1	95,2	96 100*	50,1	99,2	88 400*
50,0	39,9	92,8	91 000*	47,3	97,3	83 600*
52,0	36,5	90,2	86 300*	44,4	95,3	79 200*
54,0	32,7	87,2	81 800*	41,2	93,1	75 000*
56,0	28,4	83,6	77 600*	37,9	90,6	71 200*
58,0	23,5	79,3	73 600*	34,2	87,7	67 600*
60,0	17,1	73,6	69 800*	30,2	84,4	64 200*
62,0				25,5	80,4	60 900*
64,0				19,9	75,4	57 800*

Capacities indicated by (b) require
16 780 kg minimum weight
suspended beneath luffing jib point.

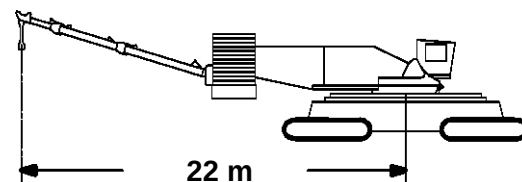
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weight (see CAUTION on page 1).

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Luffing Jib No. 81 On
Boom No. 80 With 42,7 m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



54,9 m (180 ft) Boom
61,0 m (200 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
24,4	74,7	116,9	218 400*b			
26,0	73,1	116,4	202 800*b			
28,0	71,1	115,7	185 900*b			
30,0	69,1	115,0	171 300*			
32,0	67,0	114,1	158 600*			
34,0	65,0	113,2	147 500*			
36,0	62,8	112,2	137 500*	67,8	113,8	126 600*
38,0	60,7	111,1	128 600*	65,8	112,9	118 300*
40,0	58,5	109,8	120 600*	63,7	111,9	110 800*
42,0	56,2	108,5	113 400*	61,5	110,8	104 100*
44,0	53,9	107,1	106 800*	59,4	109,6	98 000*
46,0	51,5	105,5	100 800*	57,1	108,3	92 400*
48,0	49,0	103,8	95 300*	54,8	106,9	87 200*
50,0	46,5	101,9	90 200*	52,5	105,4	82 500*
52,0	43,8	99,8	85 500*	50,0	103,8	78 100*
54,0	40,9	97,6	81 100*	47,5	101,9	74 100*
56,0	37,9	95,0	77 000*	44,8	100,0	70 300*
58,0	34,6	92,2	73 200*	42,1	97,8	66 700*
60,0	31,1	89,0	69 600*	39,1	95,4	63 400*
62,0	27,1	85,3	66 200*	36,0	92,7	60 300*
64,0	22,4	80,7	62 900*	32,5	89,6	57 300*
66,0	16,5	74,8	59 800*	28,7	86,1	54 500*
68,0				24,4	81,9	51 800*
70,0				19,1	76,7	49 200*

54,9 m (180 ft) Boom
67,1 m (220 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
25,9	74,7	122,8	202 000*b			
26,0	74,7	122,8	201 200*b			
28,0	72,9	122,2	184 300*b			
30,0	71,1	121,5	169 800*			
32,0	69,2	120,7	157 100*			
34,0	67,4	119,9	145 900*			
36,0	65,5	119,0	136 000*			
38,0	63,6	118,0	127 100*	68,1	119,6	116 500*
40,0	61,7	116,9	119 200*	66,2	118,7	109 100*
42,0	59,7	115,8	111 900*	64,4	117,7	102 400*
44,0	57,7	114,5	105 400*	62,4	116,7	96 300*
46,0	55,6	113,1	99 400*	60,5	115,5	90 700*
48,0	53,5	111,7	93 900*	58,5	114,3	85 600*
50,0	51,3	110,1	88 900*	56,4	113,0	80 900*
52,0	49,0	108,4	84 200*	54,3	111,6	76 500*
54,0	46,7	106,5	79 800*	52,2	110,0	72 500*
56,0	44,3	104,5	75 800*	49,9	108,4	68 800*
58,0	41,7	102,3	72 000*	47,6	106,6	65 300*
60,0	39,0	99,8	68 500*	45,2	104,6	62 000*
62,0	36,2	97,2	65 200*	42,7	102,5	58 900*
64,0	33,1	94,2	62 000*	40,1	100,1	56 000*
66,0	29,7	90,8	59 100*	37,3	97,6	53 300*
68,0	26,0	86,8	56 200*	34,3	94,7	50 700*
70,0	21,6	82,1	53 500*	31,1	91,5	48 200*
72,0	16,0	75,9	50 800*	27,5	87,8	45 900*
74,0				23,4	83,4	43 600*
76,0				18,4	77,9	41 400*

Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

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Boom No. 80 With 42,7 m Mast No. 81

208 060 kg Crane Counterweight

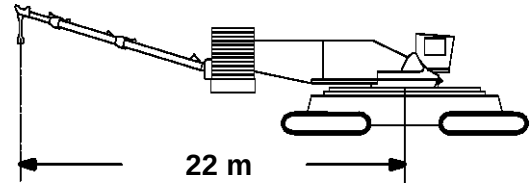
90 720 kg Carbody Counterweight

0 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



54,9 m (180 ft) Boom

73,2 m (240 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
27,4	74,8	128,7	187 400*			
28,0	74,3	128,6	183 000*			
30,0	72,7	127,9	168 300*			
32,0	71,0	127,2	155 600*			
34,0	69,4	126,5	144 500*			
36,0	67,7	125,7	134 500*			
38,0	66,0	124,8	125 700*			
40,0	64,2	123,8	117 700*	68,3	125,3	107 400*
42,0	62,5	122,8	110 500*	66,6	124,4	100 700*
44,0	60,7	121,7	104 000*	64,9	123,5	94 700*
46,0	58,8	120,5	98 000*	63,2	122,5	89 100*
48,0	57,0	119,2	92 600*	61,4	121,4	84 000*
50,0	55,1	117,8	87 500*	59,6	120,2	79 300*
52,0	53,1	116,3	82 900*	57,7	119,0	75 000*
54,0	51,1	114,7	78 500*	55,8	117,7	71 000*
56,0	49,0	113,0	74 500*	53,9	116,2	67 300*
58,0	46,9	111,1	70 800*	51,9	114,6	63 800*
60,0	44,7	109,1	67 300*	49,9	113,0	60 600*
62,0	42,4	106,9	64 000*	47,7	111,2	57 500*
64,0	40,0	104,6	60 900*	45,6	109,2	54 700*
66,0	37,4	102,0	58 000*	43,3	107,1	52 000*
68,0	34,7	99,2	55 200*	40,9	104,8	49 400*
70,0	31,8	96,0	52 600*	38,4	102,4	47 000*
72,0	28,6	92,5	50 100*	35,8	99,7	44 700*
74,0	25,0	88,4	47 700*	32,9	96,6	42 500*
76,0	20,8	83,5	45 400*	29,9	93,2	40 400*
80,0				22,6	84,8	35 900*

54,9 m (180 ft) Boom

79,2 m (260 ft) Luffing Jib

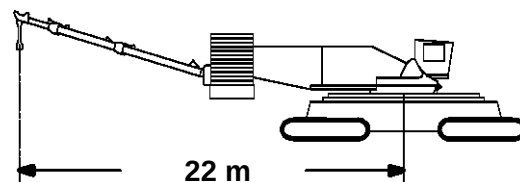
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
29,0	74,9	134,6	174 000*			
30,0	74,1	134,3	166 800*			
32,0	72,6	133,7	154 100*			
34,0	71,0	133,0	142 900*			
36,0	69,5	132,3	133 000*			
38,0	67,9	131,4	124 200*			
40,0	66,3	130,6	116 200*			
42,0	64,7	129,6	109 000*	68,5	131,1	99 000*
44,0	63,1	128,6	102 500*	67,0	130,2	92 900*
46,0	61,5	127,5	96 500*	65,4	129,3	87 400*
48,0	59,8	126,4	91 100*	63,8	128,3	82 300*
50,0	58,1	125,1	86 000*	62,1	127,3	77 700*
52,0	56,4	123,8	81 400*	60,5	126,2	73 400*
54,0	54,6	122,4	77 100*	58,8	124,9	69 400*
56,0	52,8	120,9	73 100*	57,1	123,7	65 700*
58,0	50,9	119,3	69 400*	55,3	122,3	62 200*
60,0	49,0	117,6	65 900*	53,5	120,8	59 000*
62,0	47,1	115,7	62 600*	51,7	119,2	56 000*
64,0	45,0	113,7	59 600*	49,8	117,6	53 100*
66,0	42,9	111,6	56 700*	47,8	115,8	50 500*
68,0	40,7	109,3	53 900*	45,8	113,8	47 900*
70,0	38,4	106,8	51 300*	43,8	111,8	45 500*
72,0	36,0	104,1	48 900*	41,6	109,6	43 300*
74,0	33,4	101,2	46 600*	39,3	107,2	41 100*
76,0	30,6	97,9	44 300*	37,0	104,5	38 800*
80,0	24,1	89,9	40 100*	31,7	98,5	34 300*
84,0	15,2	78,2	36 100*	25,5	91,0	30 200*
88,0				17,4	80,4	26 200*

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42,7 m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



**54,9 m (180 ft) Boom
85,3 m (280 ft) Luffing Jib**

Jib Oper. Rad. m	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
30,5	74,9	140,5	162 200*
32,0	73,8	140,1	152 700*
34,0	72,4	139,4	141 500*
36,0	71,0	138,8	131 600*
38,0	69,6	138,0	122 800*
40,0	68,1	137,2	114 900*
42,0	66,7	136,4	107 700*
44,0	65,2	135,4	101 200*
46,0	63,7	134,4	95 200*
48,0	62,2	133,4	89 800*
50,0	60,6	132,3	84 800*
52,0	59,1	131,1	80 100*
54,0	57,5	129,8	75 800*
56,0	55,9	128,5	71 900*
58,0	54,2	127,0	68 100*
60,0	52,5	125,5	64 700*
62,0	50,8	123,9	61 400*
64,0	49,0	122,2	58 400*
66,0	47,2	120,3	55 500*
68,0	45,3	118,4	52 800*
70,0	43,4	116,3	50 200*
72,0	41,4	114,0	47 800*
74,0	39,3	111,6	45 500*
76,0	37,0	109,0	43 300*
80,0	32,2	103,1	39 200*
84,0	26,7	95,8	35 400*
88,0	19,6	86,1	31 200*

**54,9 m (180 ft) Boom
91,4 m (300 ft) Luffing Jib**

Jib Oper. Rad. m	85 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
32,0	74,9	146,4	151 000*
34,0	73,6	145,9	139 900*
36,0	72,3	145,2	130 000*
38,0	71,0	144,5	121 200*
40,0	69,7	143,8	113 300*
42,0	68,3	143,0	106 100*
44,0	67,0	142,1	99 600*
46,0	65,6	141,2	93 600*
48,0	64,2	140,3	88 200*
50,0	62,8	139,2	83 200*
52,0	61,4	138,1	78 600*
54,0	59,9	137,0	74 300*
56,0	58,4	135,8	70 300*
58,0	56,9	134,5	66 600*
60,0	55,4	133,1	63 100*
62,0	53,9	131,6	59 900*
64,0	52,3	130,1	56 900*
66,0	50,7	128,5	54 000*
68,0	49,0	126,8	51 300*
70,0	47,3	124,9	48 800*
72,0	45,6	123,0	46 400*
74,0	43,8	120,9	44 100*
76,0	41,9	118,7	41 900*
80,0	38,0	113,8	37 900*
84,0	33,6	108,1	33 900*
88,0	28,7	101,3	29 800*
92,0	22,7	92,8	26 000*

Liftcrane Luffing Jib Capacities

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Luffing Jib No. 81 On

Boom No. 80 With 42,7 m Mast No. 81

208 060 kg Crane Counterweight

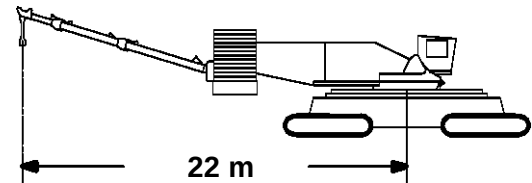
90 720 kg Carbody Counterweight

0 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m (200 ft) Boom

36,6 m (120 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
18,3			c			
20,0			c			
22,0			c			
24,0	65,3	97,3	225 700*b			
26,0	61,8	96,2	205 900*b			
28,0	58,1	95,0	189 000*b			c
30,0	54,2	93,6	174 400*b	64,1	96,2	161 000*b
32,0	50,2	91,9	161 500*	60,5	95,1	149 000*b
34,0	45,9	90,0	150 200*	56,8	93,7	138 600*b
36,0	41,2	87,8	140 100*	52,9	92,3	129 200*
38,0	36,0	85,1	130 900*	48,7	90,5	120 900*
40,0	30,0	81,8	122 600*	44,3	88,5	113 300*
42,0	22,4	77,5	114 900*	39,5	86,2	106 400*
44,0	10,0	69,8	107 300*	34,0	83,3	100 000*
46,0				27,6	79,8	94 100*
48,0				19,2	74,8	88 400*

61,0 m (200 ft) Boom

42,7 m (140 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
19,8			c			
20,0			c			
22,0			c			
24,0	69,1	104,0	224 500*b			
26,0	66,1	103,1	204 700*b			
28,0	63,1	102,1	187 900*b			
30,0	60,0	100,9	173 300*b	68,1	102,9	159 400*b
32,0	56,8	99,6	160 600*	65,1	102,0	147 500*b
34,0	53,5	98,2	149 400*	62,1	100,9	137 100*b
36,0	50,0	96,5	139 400*	58,9	99,7	127 900*
38,0	46,3	94,6	130 400*	55,7	98,4	119 600*
40,0	42,4	92,5	122 400*	52,3	96,9	112 200*
42,0	38,1	90,0	115 000*	48,8	95,1	105 400*
44,0	33,4	87,1	108 200*	45,0	93,2	99 300*
46,0	27,9	83,5	102 000*	41,0	90,9	93 600*
48,0	21,0	78,8	96 000*	36,6	88,3	88 300*
50,0	10,0	70,9	90 100*	31,6	85,2	83 500*
52,0				25,7	81,3	78 800*
54,0				18,1	76,0	74 400*

Capacities indicated by (b) require
16 780 kg minimum weight
suspended beneath luffing jib point.

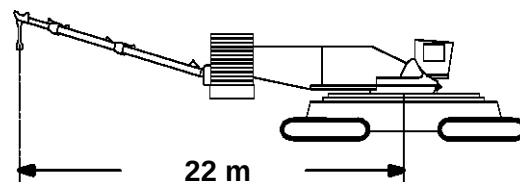
Do not luff into area indicated by
(c) with 16 780 kg minimum
weight (see CAUTION on page 1).

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42,7 m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

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61,0 m (200 ft) Boom
48,8 m (160 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
22,9	73,2	110,9	235 600* b			
24,0	71,8	110,5	223 500* b			
26,0	69,3	109,7	203 800* b			
28,0	66,7	108,9	187 000* b			
30,0	64,1	107,9	172 500*			
32,0	61,5	106,8	159 800*	68,4	108,7	146 300* b
34,0	58,7	105,6	148 700*	65,8	107,8	136 000* b
36,0	55,9	104,3	138 700*	63,2	106,8	126 800*
38,0	52,9	102,8	129 800*	60,5	105,7	118 600*
40,0	49,9	101,1	121 800*	57,8	104,4	111 200*
42,0	46,7	99,2	114 500*	54,9	103,0	104 500*
44,0	43,3	97,2	107 900*	51,9	101,5	98 400*
46,0	39,6	94,8	101 900*	48,8	99,7	92 900*
48,0	35,7	92,1	96 300*	45,5	97,8	87 700*
50,0	31,3	88,9	91 000*	42,1	95,6	83 000*
52,0	26,2	85,1	86 200*	38,3	93,2	78 600*
54,0	19,9	80,1	81 500*	34,3	90,3	74 500*
56,0	10,0	72,0	76 800*	29,7	87,0	70 600*
58,0				24,3	82,8	66 900*
60,0				17,2	77,2	63 200*

61,0 m (200 ft) Boom
54,9 m (180 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
24,4	73,5	116,8	217 900* b			
26,0	71,7	116,2	202 300* b			
28,0	69,5	115,5	185 500* b			
30,0	67,2	114,7	171 000*			
32,0	64,9	113,7	158 400*			
34,0	62,5	112,7	147 300*	68,7	114,4	134 200* b
36,0	60,1	111,5	137 400*	66,4	113,6	125 100*
38,0	57,7	110,3	128 600*	64,1	112,6	116 900*
40,0	55,1	108,9	120 600*	61,7	111,5	109 600*
42,0	52,5	107,4	113 300*	59,3	110,4	102 900*
44,0	49,8	105,7	106 800*	56,8	109,1	96 900*
46,0	46,9	103,9	100 800*	54,2	107,6	91 400*
48,0	44,0	101,8	95 300*	51,6	106,1	86 300*
50,0	40,8	99,5	90 200*	48,8	104,3	81 600*
52,0	37,4	97,0	85 400*	45,9	102,4	77 300*
54,0	33,7	94,1	81 000*	42,9	100,3	73 300*
56,0	29,6	90,7	76 900*	39,7	97,9	69 500*
58,0	24,9	86,6	73 000*	36,2	95,3	66 000*
60,0	19,0	81,4	69 200*	32,4	92,2	62 600*
62,0	10,1	73,1	65 300*	28,1	88,6	59 500*
64,0				23,1	84,2	56 400*
66,0				16,5	78,4	53 400*

Capacities indicated by **(b)** require 16 780 kg minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 42,7 m Mast No. 81

208 060 kg Crane Counterweight

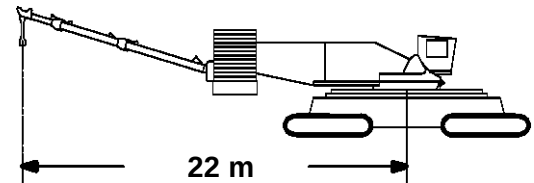
90 720 kg Carbody Counterweight

0 kg Hanging Counterweight

at 22 m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



61,0 m (200 ft) Boom

61,0 m (200 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
25,9	73,7	122,7	201 800*b			
26,0	73,6	122,7	201 100*b			
28,0	71,6	122,0	184 300*b			
30,0	69,6	121,2	169 900*			
32,0	67,6	120,4	157 200*			
34,0	65,5	119,5	146 100*			
36,0	63,4	118,5	136 300*	68,9	120,2	123 700*
38,0	61,3	117,4	127 500*	66,9	119,4	115 500*
40,0	59,1	116,2	119 500*	64,8	118,4	108 300*
42,0	56,8	114,9	112 400*	62,7	117,4	101 600*
44,0	54,5	113,5	105 800*	60,5	116,3	95 600*
46,0	52,2	112,0	99 800*	58,3	115,1	90 200*
48,0	49,7	110,3	94 400*	56,1	113,7	85 100*
50,0	47,2	108,5	89 300*	53,7	112,2	80 500*
52,0	44,5	106,5	84 700*	51,3	110,7	76 200*
54,0	41,7	104,2	80 300*	48,8	108,9	72 200*
56,0	38,7	101,8	76 300*	46,3	107,1	68 500*
58,0	35,5	99,1	72 500*	43,6	105,0	65 000*
60,0	32,1	96,0	68 900*	40,7	102,7	61 800*
62,0	28,2	92,4	65 500*	37,7	100,1	58 700*
64,0	23,8	88,1	62 300*	34,4	97,3	55 800*
66,0	18,3	82,6	59 200*	30,8	94,1	53 100*
68,0	10,1	74,1	56 000*	26,8	90,3	50 400*
70,0				22,1	85,7	47 900*
72,0				16,0	79,5	45 400*

61,0 m (200 ft) Boom

67,1 m (220 ft) Luffing Jib

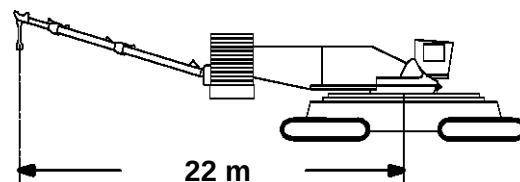
Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Point Elev. m	Luffing Jib Capacity Kilograms
27,4	73,8	128,6	187 200*b			
28,0	73,3	128,4	182 800*b			
30,0	71,5	127,7	168 300*			
32,0	69,7	127,0	155 600*			
34,0	67,9	126,2	144 600*			
36,0	66,0	125,3	134 700*			
38,0	64,1	124,3	125 900*			
40,0	62,2	123,3	118 000*	67,2	125,2	106 400*
42,0	60,2	122,2	110 900*	65,4	124,2	99 800*
44,0	58,2	120,9	104 400*	63,5	123,2	93 900*
46,0	56,1	119,6	98 400*	61,5	122,2	88 400*
48,0	54,0	118,2	93 000*	59,5	121,0	83 400*
50,0	51,9	116,6	88 000*	57,5	119,7	78 800*
52,0	49,6	114,9	83 300*	55,4	118,3	74 600*
54,0	47,3	113,1	79 000*	53,3	116,9	70 600*
56,0	44,9	111,1	75 000*	51,1	115,3	66 900*
58,0	42,4	108,9	71 300*	48,9	113,5	63 500*
60,0	39,8	106,6	67 800*	46,5	111,7	60 300*
62,0	37,0	104,0	64 500*	44,1	109,6	57 300*
64,0	33,9	101,1	61 400*	41,5	107,4	54 400*
66,0	30,7	97,8	58 400*	38,8	104,9	51 800*
68,0	27,0	94,0	55 600*	35,9	102,2	49 200*
70,0	22,8	89,6	52 900*	32,9	99,2	46 800*
72,0	17,7	83,9	50 300*	29,5	95,8	44 500*
74,0	10,1	75,2	47 500*	25,7	91,8	42 300*
76,0				21,2	87,0	40 100*

Capacities indicated by (b) require 16 780 kg minimum weight suspended beneath luffing jib point.

Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On
Boom No. 80 With 42,7 m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Hanging Counterweight
at 22 m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements



21000

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61,0 m (200 ft) Boom
73,2 m (240 ft) Luffing Jib

Jib Oper. Rad. m	85 Degree Boom Angle			80 Degree Boom Angle		
	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms	Jib Ang. Deg.	Jib Point Elev. m	Luffing Jib Capacity Kilograms
29,0	74,0	134,5	174 000*			
30,0	73,1	134,2	166 900*			
32,0	71,5	133,5	154 200*			
34,0	69,8	132,8	143 100*			
36,0	68,1	132,0	133 300*			
38,0	66,4	131,1	124 500*			
40,0	64,7	130,2	116 600*	69,2	131,7	104 800*
42,0	62,9	129,1	109 400*	67,5	130,9	98 200*
44,0	61,1	128,0	102 900*	65,8	130,0	92 300*
46,0	59,3	126,9	97 000*	64,1	129,1	86 800*
48,0	57,5	125,6	91 600*	62,3	128,0	81 900*
50,0	55,6	124,2	86 600*	60,5	126,9	77 300*
52,0	53,6	122,8	82 000*	58,7	125,7	73 000*
54,0	51,6	121,2	77 700*	56,8	124,4	69 100*
56,0	49,6	119,5	73 700*	54,9	123,0	65 400*
58,0	47,5	117,7	70 000*	53,0	121,5	62 000*
60,0	45,3	115,7	66 500*	50,9	119,9	58 900*
62,0	43,0	113,6	63 300*	48,9	118,1	55 800*
64,0	40,6	111,3	60 200*	46,7	116,3	53 100*
66,0	38,1	108,8	57 300*	44,5	114,3	50 400*
68,0	35,4	106,0	54 600*	42,2	112,1	47 900*
70,0	32,6	103,0	52 000*	39,8	109,7	45 600*
72,0	29,5	99,6	49 500*	37,2	107,1	43 300*
74,0	26,0	95,6	47 100*	34,5	104,3	41 100*
76,0	22,0	90,9	44 800*	31,5	101,1	39 000*
80,0				24,7	93,4	34 500*
84,0				15,1	81,8	30 100*