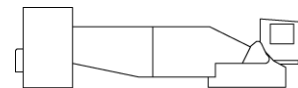


Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
240 720 kg Crane Counterweight
Pedestal Mount - Four Swing Drives
0 Degree thru 3 Degree Static Machine List



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are based on structural competence.

Capacities above 544 300 kg require tandem lower boom points. 54,9m thru 109,7m boom lengths require only the single lower boom point (15 sheaves) to be used. Second lower boom point must be removed from boom on 54,9m thru 109,7m boom lengths.

Upper boom point capacity for liftcrane service with single part whip line is 22 140 kg or 44 270 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Minimum boom operating angle is 36 degrees when drum 2 lead line is reeved over upper sheave in boom top wire rope guide.

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 with turntable bearing properly supported, gantry and mast up, and machine list not to exceed degrees noted. Refer to boom rigging **No. 192587** and Wire Rope Specification chart **No. 8139-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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, 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 top of turntable bearing to centerline of boom point shaft.

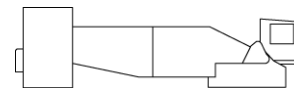
MACHINE EQUIPMENT: Machine equipped with **four swing drives**, 30,5m mast, 8 534 mm retractable gantry, 20 part boom hoist reeving, boom support straps, and 240 720 kg crane counterweight.

Maximum Boom Length Lifted Unassisted	
List	Boom Length
0 Degree	(a) 109,7m
1 Degree	103,6m
2 Degree	103,6m
3 Degree	103,6m
Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be used on 109,7m boom.	

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

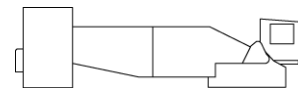


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
30,5m (100 Ft.) Boom							
7,0	82,7	30,7	756 600				7,0
8,0	80,8	30,5	667 400	617 900	573 300		8,0
9,0	78,8	30,3	595 800	555 200	518 400	485 900	9,0
10,0	76,9	30,0	537 500	503 800	472 900	445 100	10,0
11,0	74,9	29,7	489 100	460 800	434 400	410 500	11,0
12,0	72,9	29,4	448 300	424 100	401 400	380 700	12,0
14,0	68,9	28,6	383 100	365 000	347 700	331 700	14,0
16,0	64,7	27,6	333 600	319 300	305 300	291 800	16,0
18,0	60,4	26,5	292 900	281 300	269 400	258 400	18,0
20,0	55,8	25,1	259 100	249 800	240 400	231 500	20,0
22,0	51,0	23,5	231 600	224 200	216 600	209 300	22,0
24,0	45,7	21,5	208 900	202 900	196 600	190 300	24,0
26,0	39,9	19,1	189 800	184 900	179 700	173 300	26,0
28,0	33,2	16,2	173 300	169 400	165 200	158 500	28,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

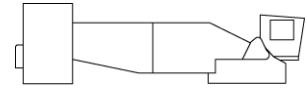


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
36,6m (120 Ft.) Boom							
7,9	82,4	36,7	670 700				7,9
8,0	82,3	36,7	665 000				8,0
9,0	80,7	36,5	593 000	546 800			9,0
10,0	79,1	36,3	534 800	496 100	461 200	430 600	10,0
11,0	77,5	36,1	486 500	453 800	424 100	397 500	11,0
12,0	75,9	35,8	445 700	417 800	392 100	368 900	12,0
14,0	72,6	35,1	380 700	359 700	340 000	321 900	14,0
16,0	69,2	34,3	331 200	314 600	298 600	283 100	16,0
18,0	65,8	33,4	290 900	277 100	263 400	250 800	18,0
20,0	62,2	32,4	257 100	246 000	235 100	224 800	20,0
22,0	58,6	31,1	229 700	220 700	211 700	203 100	22,0
24,0	54,7	29,7	207 000	199 600	192 000	184 900	24,0
26,0	50,6	28,0	187 900	181 800	175 400	169 300	26,0
28,0	46,3	26,1	171 600	166 400	161 000	155 800	28,0
30,0	41,6	23,9	157 500	153 100	148 500	143 900	30,0
32,0	36,4	21,2	145 100	141 400	137 600	132 800	32,0
34,0	30,3	17,9	134 200	131 200	127 900	122 900	34,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

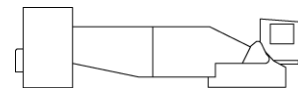


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
42,7m (140 Ft.) Boom							
8,5	82,7	42,8	622 700				8,5
9,0	82,1	42,7	591 800				9,0
10,0	80,7	42,5	533 100	489 400	451 200		10,0
11,0	79,3	42,3	484 900	448 000	415 000	386 700	11,0
12,0	78,0	42,1	444 200	412 600	384 000	358 600	12,0
14,0	75,2	41,5	379 200	355 300	333 300	313 300	14,0
16,0	72,3	40,9	329 800	310 800	292 900	275 500	16,0
18,0	69,5	40,1	289 500	273 700	258 400	244 400	18,0
20,0	66,5	39,2	255 800	243 100	230 700	219 200	20,0
22,0	63,5	38,2	228 400	218 000	207 700	198 100	22,0
24,0	60,4	37,1	205 800	197 100	188 500	180 300	24,0
26,0	57,2	35,8	186 700	179 500	172 100	165 100	26,0
28,0	53,9	34,3	170 400	164 200	157 900	151 900	28,0
30,0	50,4	32,6	156 300	151 000	145 600	140 400	30,0
32,0	46,7	30,8	144 000	139 500	134 700	130 200	32,0
34,0	42,8	28,6	133 200	129 200	125 200	121 200	34,0
36,0	38,5	26,1	123 500	120 100	116 600	113 100	36,0
38,0	33,7	23,2	114 300	112 000	108 900	105 300	38,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

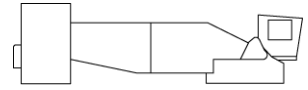


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
48,8m (160 Ft.) Boom							
9,1	82,9	48,9	579 400				9,1
10,0	81,9	48,7	530 300				10,0
11,0	80,7	48,5	482 100	441 000	406 000		11,0
12,0	79,5	48,3	441 500	406 300	375 100	347 800	12,0
14,0	77,1	47,9	376 600	349 900	325 800	304 100	14,0
16,0	74,6	47,3	327 200	306 100	286 400	267 300	16,0
18,0	72,2	46,6	287 200	269 500	252 600	237 300	18,0
20,0	69,6	45,9	253 600	239 200	225 500	212 900	20,0
22,0	67,1	45,0	226 300	214 400	203 000	192 400	22,0
24,0	64,5	44,1	203 600	193 700	184 100	175 100	24,0
26,0	61,8	43,0	184 600	176 200	167 900	160 200	26,0
28,0	59,1	41,8	168 300	161 200	154 000	147 300	28,0
30,0	56,2	40,4	154 200	148 100	141 900	136 000	30,0
32,0	53,3	38,9	141 900	136 600	131 200	126 000	32,0
34,0	50,2	37,2	131 100	126 500	121 700	117 200	34,0
36,0	47,0	35,4	121 500	117 400	113 300	109 200	36,0
38,0	43,6	33,3	112 400	109 300	105 600	102 100	38,0
40,0	40,0	30,9	103 700	101 300	98 700	95 600	40,0
42,0	36,0	28,2	95 800	93 800	91 900	89 700	42,0
44,0	31,6	25,0	88 600	86 900	85 300	83 800	44,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

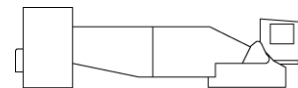


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
54,9m (180 Ft.) Boom							
10,4	82,4	54,8	512 900				10,4
11,0	81,7	54,7	483 200	439 000			11,0
12,0	80,7	54,6	442 500	403 800			12,0
14,0	78,5	54,1	377 700	348 400	322 200	299 200	14,0
16,0	76,4	53,6	328 400	305 100	283 500	263 000	16,0
18,0	74,2	53,1	288 500	268 900	250 500	234 100	18,0
20,0	72,0	52,4	254 900	239 000	224 000	210 400	20,0
22,0	69,8	51,7	227 600	214 500	202 000	190 500	22,0
24,0	67,5	50,8	205 000	194 000	183 400	173 600	24,0
26,0	65,2	49,9	186 100	176 700	167 600	159 100	26,0
28,0	62,9	48,8	169 800	161 800	153 900	146 500	28,0
30,0	60,5	47,7	155 700	148 800	141 900	135 500	30,0
32,0	58,0	46,4	143 500	137 500	131 400	125 700	32,0
34,0	55,4	45,0	132 700	127 400	122 000	117 000	34,0
36,0	52,8	43,5	123 100	118 400	113 700	109 200	36,0
38,0	50,1	41,8	114 600	110 400	106 200	102 200	38,0
40,0	47,2	40,0	106 500	103 100	99 400	95 800	40,0
42,0	44,3	37,9	98 600	96 000	93 200	90 000	42,0
44,0	41,1	35,7	91 400	89 200	87 000	84 700	44,0
46,0	37,7	33,1	84 900	83 000	81 100	79 400	46,0
48,0	34,0	30,2	78 900	77 300	75 700	74 200	48,0
50,0	29,9	26,8	73 400	72 000	70 700	69 400	50,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

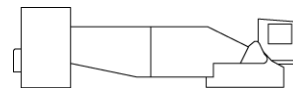


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
61,0m (200 Ft.) Boom							
11,0	82,6	60,9	482 400				11,0
12,0	81,6	60,8	440 500	398 500			12,0
14,0	79,7	60,4	375 700	343 700	315 900	290 900	14,0
16,0	77,8	59,9	326 300	300 900	277 500	255 800	16,0
18,0	75,8	59,4	286 500	265 200	245 300	227 800	18,0
20,0	73,9	58,8	253 000	235 500	219 300	204 700	20,0
22,0	71,9	58,2	225 700	211 300	197 600	185 300	22,0
24,0	69,9	57,4	203 000	190 900	179 400	168 800	24,0
26,0	67,9	56,6	184 000	173 700	163 800	154 600	26,0
28,0	65,8	55,7	167 700	158 900	150 300	142 300	28,0
30,0	63,7	54,7	153 700	146 000	138 400	131 400	30,0
32,0	61,5	53,6	141 400	134 700	128 100	121 800	32,0
34,0	59,4	52,4	130 600	124 700	118 800	113 200	34,0
36,0	57,1	51,1	121 000	115 800	110 500	105 500	36,0
38,0	54,8	49,7	112 400	107 800	103 100	98 600	38,0
40,0	52,4	48,1	104 000	100 500	96 300	92 300	40,0
42,0	50,0	46,4	96 200	93 000	90 000	86 500	42,0
44,0	47,4	44,6	89 100	86 300	83 700	80 800	44,0
46,0	44,8	42,6	82 500	80 100	77 800	75 400	46,0
48,0	41,9	40,4	76 600	74 400	72 400	70 500	48,0
50,0	39,0	37,9	71 100	69 200	67 400	65 700	50,0
52,0	35,8	35,2	66 000	64 400	62 900	61 300	52,0
54,0	32,3	32,0	61 300	59 900	58 600	57 300	54,0
56,0	28,4	28,4	56 900	55 700	54 600	53 500	56,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

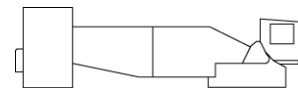


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
67,1m (220 Ft.) Boom							
11,6	82,7	67,0	454 600				11,6
12,0	82,4	66,9	438 600				12,0
14,0	80,6	66,6	373 500	339 400	309 200		14,0
16,0	78,9	66,2	324 100	296 700	271 600	249 200	16,0
18,0	77,2	65,7	284 500	261 400	240 100	221 500	18,0
20,0	75,4	65,2	251 000	232 000	214 600	199 100	20,0
22,0	73,6	64,6	223 600	208 000	193 400	180 200	22,0
24,0	71,8	63,9	201 000	187 800	175 400	164 100	24,0
26,0	70,0	63,2	181 900	170 700	160 000	150 200	26,0
28,0	68,1	62,4	165 700	156 000	146 700	138 100	28,0
30,0	66,3	61,5	151 500	143 200	135 000	127 400	30,0
32,0	64,4	60,5	139 300	131 900	124 700	118 000	32,0
34,0	62,4	59,4	128 500	121 900	115 500	109 500	34,0
36,0	60,5	58,3	118 900	113 100	107 300	102 000	36,0
38,0	58,5	57,1	110 200	105 100	100 000	95 100	38,0
40,0	56,4	55,7	101 500	97 400	93 300	88 600	40,0
42,0	54,3	54,3	93 700	90 000	86 600	82 400	42,0
44,0	52,1	52,7	86 500	83 300	80 200	76 600	44,0
46,0	49,9	51,0	80 000	77 100	74 400	71 400	46,0
48,0	47,6	49,2	74 100	71 500	69 100	66 500	48,0
50,0	45,2	47,2	68 600	66 300	64 100	62 000	50,0
52,0	42,6	45,0	63 500	61 500	59 600	57 700	52,0
54,0	40,0	42,7	58 900	57 000	55 300	53 700	54,0
56,0	37,2	40,1	54 500	52 900	51 400	49 900	56,0
58,0	34,2	37,1	50 400	49 000	47 700	46 400	58,0
60,0	30,9	33,9	46 600	45 400	44 200	43 100	60,0
62,0	27,2	30,1	43 000	42 000	41 000	40 000	62,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

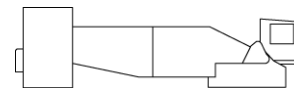


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
73,2m (240 Ft.) Boom							
12,2	82,9	73,1	430 000				12,2
14,0	81,4	72,8	372 200	335 600			14,0
16,0	79,8	72,4	322 900	293 400	267 100		16,0
18,0	78,2	72,0	283 300	258 500	235 900	216 600	18,0
20,0	76,6	71,5	249 900	229 400	210 900	194 500	20,0
22,0	75,0	70,9	222 500	205 600	190 000	176 100	22,0
24,0	73,4	70,3	199 800	185 600	172 300	160 300	24,0
26,0	71,7	69,7	180 800	168 600	157 100	146 700	26,0
28,0	70,0	68,9	164 500	154 000	144 000	134 900	28,0
30,0	68,4	68,1	150 400	141 300	132 500	124 400	30,0
32,0	66,7	67,3	138 100	130 100	122 300	115 100	32,0
34,0	64,9	66,3	127 300	120 200	113 300	106 800	34,0
36,0	63,2	65,3	117 700	111 400	105 200	99 400	36,0
38,0	61,4	64,2	109 000	103 500	97 900	92 500	38,0
40,0	59,6	63,0	100 300	95 700	91 200	85 700	40,0
42,0	57,7	61,7	92 400	88 300	84 400	79 600	42,0
44,0	55,8	60,4	85 300	81 600	78 100	73 900	44,0
46,0	53,9	58,9	78 700	75 500	72 300	68 700	46,0
48,0	51,9	57,3	72 800	69 800	67 000	63 900	48,0
50,0	49,8	55,6	67 300	64 700	62 100	59 500	50,0
52,0	47,7	53,8	62 300	59 900	57 600	55 300	52,0
54,0	45,5	51,8	57 600	55 400	53 400	51 400	54,0
56,0	43,2	49,7	53 200	51 300	49 500	47 700	56,0
58,0	40,8	47,4	49 200	47 500	45 800	44 200	58,0
60,0	38,3	44,9	45 400	43 900	42 400	41 000	60,0
62,0	35,6	42,1	41 900	40 500	39 200	37 900	62,0
64,0	32,8	39,1	38 500	37 300	36 100	35 000	64,0
66,0	29,6	35,6	35 400	34 300	33 300	32 300	66,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

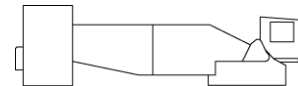


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
79,2m (260 Ft.) Boom							
13,7	82,3	79,0	378 200				13,7
14,0	82,1	78,9	370 700				14,0
16,0	80,6	78,6	320 600	289 700			16,0
18,0	79,2	78,2	281 300	254 700	231 100		18,0
20,0	77,7	77,8	247 800	225 900	206 200	189 000	20,0
22,0	76,2	77,3	220 400	202 200	185 700	171 100	22,0
24,0	74,7	76,7	197 700	182 400	168 300	155 700	24,0
26,0	73,2	76,1	178 600	165 600	153 400	142 400	26,0
28,0	71,7	75,4	162 300	151 100	140 400	130 700	28,0
30,0	70,1	74,7	148 200	138 400	129 100	120 500	30,0
32,0	68,6	73,9	135 900	127 300	119 000	111 400	32,0
34,0	67,0	73,0	125 100	117 400	110 100	103 200	34,0
36,0	65,4	72,1	115 500	108 700	102 000	95 600	36,0
38,0	63,8	71,1	106 400	100 600	94 600	88 200	38,0
40,0	62,1	70,1	97 700	92 500	87 400	81 500	40,0
42,0	60,5	68,9	89 800	85 200	80 800	75 400	42,0
44,0	58,8	67,7	82 600	78 500	74 700	69 900	44,0
46,0	57,1	66,4	76 000	72 400	68 900	64 700	46,0
48,0	55,3	65,0	70 100	66 800	63 600	60 000	48,0
50,0	53,5	63,5	64 600	61 600	58 800	55 600	50,0
52,0	51,6	61,9	59 600	56 900	54 300	51 500	52,0
54,0	49,7	60,2	54 900	52 400	50 100	47 700	54,0
56,0	47,8	58,4	50 600	48 300	46 200	44 100	56,0
58,0	45,8	56,5	46 500	44 500	42 600	40 700	58,0
60,0	43,7	54,4	42 700	40 900	39 200	37 500	60,0
62,0	41,5	52,1	39 200	37 500	35 900	34 400	62,0
64,0	39,2	49,7	35 900	34 400	32 900	31 600	64,0
66,0	36,8	47,0	32 800	31 400	30 100	28 900	66,0
68,0	34,3	44,1	29 800	28 600	27 400	26 300	68,0
70,0	31,5	40,9	27 000	25 900	24 900	23 900	70,0
72,0	28,6	37,3	24 300	23 400	22 500	21 600	72,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

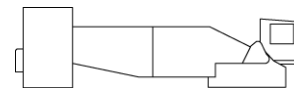


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
85,3m (280 Ft.) Boom							
13,7	82,9	85,2	376 700				13,7
14,0	82,7	85,1	369 300				14,0
16,0	81,3	84,8	319 100	286 300			16,0
18,0	79,9	84,4	279 900	251 600	226 800		18,0
20,0	78,6	84,0	246 400	223 100	202 400	184 400	20,0
22,0	77,2	83,6	219 000	199 700	182 300	166 900	22,0
24,0	75,8	83,1	196 400	180 000	165 100	151 900	24,0
26,0	74,4	82,5	177 300	163 300	150 400	138 900	26,0
28,0	73,0	81,9	160 900	148 900	137 600	127 500	28,0
30,0	71,6	81,2	146 800	136 300	126 400	117 400	30,0
32,0	70,2	80,5	134 500	125 300	116 500	108 500	32,0
34,0	68,7	79,7	123 700	115 500	107 700	100 300	34,0
36,0	67,3	78,8	114 000	106 800	99 600	92 200	36,0
38,0	65,8	77,9	104 800	98 500	91 800	85 000	38,0
40,0	64,3	76,9	96 000	90 400	84 700	78 500	40,0
42,0	62,8	75,9	88 100	83 100	78 100	72 400	42,0
44,0	61,3	74,8	80 900	76 400	72 200	67 000	44,0
46,0	59,7	73,6	74 400	70 300	66 500	61 900	46,0
48,0	58,1	72,4	68 500	64 800	61 300	57 200	48,0
50,0	56,5	71,0	63 000	59 600	56 500	52 800	50,0
52,0	54,9	69,6	57 900	54 900	52 000	48 800	52,0
54,0	53,2	68,1	53 200	50 500	47 900	45 000	54,0
56,0	51,5	66,5	48 900	46 400	44 000	41 500	56,0
58,0	49,7	64,8	44 900	42 600	40 400	38 200	58,0
60,0	47,9	63,0	41 100	39 000	37 000	35 100	60,0
62,0	46,0	61,1	37 600	35 700	33 800	32 100	62,0
64,0	44,1	59,0	34 300	32 500	30 900	29 300	64,0
66,0	42,1	56,8	31 200	29 600	28 000	26 600	66,0
68,0	40,0	54,4	28 200	26 800	25 400	24 000	68,0
70,0	37,8	51,9	25 400	24 100	22 800	21 700	70,0
72,0	35,5	49,1	22 800	21 600	20 500	19 400	72,0
74,0	33,1	46,1	20 300	19 200	18 200		74,0
76,0	30,5	42,7	17 900	17 000			76,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

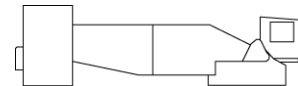


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
91,4m (300 Ft.) Boom							
15,2	82,4	91,1	334 300				15,2
16,0	81,9	91,0	317 700				16,0
18,0	80,6	90,6	277 800	248 000			18,0
20,0	79,3	90,3	244 400	219 600	197 800	179 200	20,0
22,0	78,1	89,8	216 900	196 400	178 000	162 000	22,0
24,0	76,8	89,3	194 200	176 900	161 200	147 400	24,0
26,0	75,5	88,8	175 100	160 300	146 700	134 600	26,0
28,0	74,2	88,2	158 700	145 900	134 100	123 400	28,0
30,0	72,9	87,6	144 600	133 400	123 000	113 400	30,0
32,0	71,5	86,9	132 300	122 500	113 200	104 200	32,0
34,0	70,2	86,2	121 500	112 700	104 200	95 700	34,0
36,0	68,9	85,4	111 700	104 000	95 800	87 900	36,0
38,0	67,5	84,6	102 200	95 400	87 900	80 800	38,0
40,0	66,1	83,7	93 300	87 300	80 800	74 300	40,0
42,0	64,7	82,8	85 400	79 900	74 400	68 400	42,0
44,0	63,3	81,7	78 200	73 300	68 400	62 900	44,0
46,0	61,9	80,7	71 700	67 200	63 000	57 900	46,0
48,0	60,5	79,5	65 700	61 700	57 900	53 300	48,0
50,0	59,0	78,3	60 200	56 500	53 100	49 000	50,0
52,0	57,5	77,0	55 100	51 800	48 600	45 000	52,0
54,0	56,0	75,7	50 500	47 400	44 500	41 300	54,0
56,0	54,5	74,2	46 100	43 300	40 700	37 800	56,0
58,0	52,9	72,7	42 100	39 500	37 100	34 500	58,0
60,0	51,3	71,1	38 300	35 900	33 700	31 500	60,0
62,0	49,6	69,4	34 800	32 600	30 600	28 600	62,0
64,0	48,0	67,6	31 400	29 500	27 600	25 800	64,0
66,0	46,2	65,7	28 400	26 500	24 800	23 200	66,0
68,0	44,4	63,7	25 400	23 800	22 200	20 600	68,0
70,0	42,6	61,5	22 700	21 100	19 700	18 300	70,0
72,0	40,7	59,2	20 000	18 600			72,0
74,0	38,7	56,7	17 600				74,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

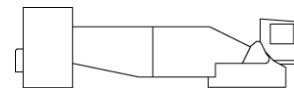


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
97,5m (320 Ft.) Boom							
15,2	82,9	97,2	332 700				15,2
16,0	82,4	97,2	316 100				16,0
18,0	81,2	96,8	276 300	244 900			18,0
20,0	80,0	96,5	242 900	216 700	194 000		20,0
22,0	78,8	96,1	215 400	193 700	174 500	158 100	22,0
24,0	77,6	95,6	192 700	174 400	157 900	143 500	24,0
26,0	76,4	95,1	173 500	157 900	143 700	131 000	26,0
28,0	75,2	94,6	157 200	143 700	131 200	119 900	28,0
30,0	74,0	94,0	143 100	131 200	120 200	109 600	30,0
32,0	72,7	93,4	130 800	120 400	110 100	100 500	32,0
34,0	71,5	92,7	119 900	110 600	101 000	92 200	34,0
36,0	70,3	92,0	110 000	101 400	92 700	84 500	36,0
38,0	69,0	91,2	100 300	93 000	85 000	77 500	38,0
40,0	67,7	90,4	91 500	85 000	78 000	71 100	40,0
42,0	66,4	89,5	83 500	77 700	71 500	65 200	42,0
44,0	65,1	88,6	76 300	71 100	65 700	59 900	44,0
46,0	63,8	87,6	69 800	65 000	60 300	54 900	46,0
48,0	62,5	86,5	63 800	59 400	55 300	50 400	48,0
50,0	61,2	85,4	58 300	54 300	50 600	46 100	50,0
52,0	59,8	84,2	53 300	49 600	46 200	42 200	52,0
54,0	58,4	83,0	48 600	45 200	42 100	38 500	54,0
56,0	57,0	81,7	44 200	41 200	38 300	35 100	56,0
58,0	55,6	80,3	40 200	37 300	34 700	31 800	58,0
60,0	54,1	78,9	36 400	33 800	31 400	28 800	60,0
62,0	52,7	77,3	32 900	30 500	28 200	25 900	62,0
64,0	51,1	75,7	29 600	27 400	25 300	23 200	64,0
66,0	49,6	74,0	26 500	24 400	22 500	20 700	66,0
68,0	48,0	72,2	23 500	21 700	19 900	18 200	68,0
70,0	46,4	70,3	20 800	19 000	17 400		70,0
72,0	44,7	68,3	18 200				72,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
 240 720 kg Crane Counterweight
 Pedestal Mount - Four Swing Drives
 0 Degree thru 3 Degree Static Machine List

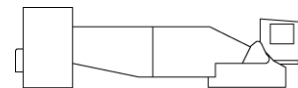


Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms	1 Degree List Boom Capacity Kilograms	2 Degree List Boom Capacity Kilograms	3 Degree List Boom Capacity Kilograms	Oper. Radius Meter
103,6m (340 Ft.) Boom							
16,8	82,4	103,2	297 100				16,8
18,0	81,7	103,0	274 500				18,0
20,0	80,6	102,7	240 800	213 200	189 600		20,0
22,0	79,5	102,3	213 300	190 400	170 400		22,0
24,0	78,4	101,9	190 500	171 200	154 000	138 900	24,0
26,0	77,2	101,4	171 400	154 800	139 900	126 100	26,0
28,0	76,1	100,9	155 000	140 700	127 300	114 800	28,0
30,0	74,9	100,4	140 900	128 300	116 000	104 800	30,0
32,0	73,8	99,8	128 600	117 000	105 900	95 900	32,0
34,0	72,6	99,1	117 700	106 800	96 800	87 700	34,0
36,0	71,5	98,5	107 600	97 700	88 700	80 200	36,0
38,0	70,3	97,7	97 600	89 500	81 100	73 300	38,0
40,0	69,1	97,0	88 700	81 800	74 100	67 000	40,0
42,0	67,9	96,2	80 800	74 500	67 800	61 200	42,0
44,0	66,7	95,3	73 600	67 900	62 000	55 900	44,0
46,0	65,5	94,4	67 000	61 800	56 600	51 000	46,0
48,0	64,3	93,4	61 000	56 300	51 700	46 500	48,0
50,0	63,0	92,4	55 500	51 200	47 100	42 300	50,0
52,0	61,8	91,3	50 400	46 500	42 800	38 400	52,0
54,0	60,5	90,1	45 700	42 100	38 700	34 700	54,0
56,0	59,2	88,9	41 400	38 000	34 900	31 300	56,0
58,0	57,9	87,7	37 300	34 300	31 400	28 100	58,0
60,0	56,6	86,4	33 500	30 700	28 100	25 100	60,0
62,0	55,2	85,0	30 000	27 400	24 900	22 300	62,0
64,0	53,8	83,5	26 700	24 300	22 000	19 600	64,0
66,0	52,4	81,9	23 600	21 400	19 200		66,0
68,0	51,0	80,3	20 700	18 600			68,0
70,0	49,6	78,6	17 900				70,0

Liftcrane Boom Capacities

21000

Boom No. 80 with 30,5m Mast
240 720 kg Crane Counterweight
Pedestal Mount - Four Swing Drives
0 Degree thru 3 Degree Static Machine List



Oper. Radius Meter	Boom Angle Deg.	Boom Point Elev. Meter	0 Degree List Boom Capacity Kilograms
109,7m (360 Ft.) Boom			
16,8	82,9	109,3	295 500
18,0	82,2	109,2	272 800
20,0	81,1	108,8	239 200
22,0	80,1	108,5	211 700
24,0	79,0	108,1	188 900
26,0	78,0	107,7	169 800
28,0	76,9	107,2	153 400
30,0	75,8	106,7	139 200
32,0	74,7	106,1	126 900
34,0	73,6	105,5	116 000
36,0	72,5	104,9	105 600
38,0	71,4	104,2	95 600
40,0	70,3	103,5	86 700
42,0	69,2	102,7	78 700
44,0	68,1	101,9	71 500
46,0	66,9	101,1	64 900
48,0	65,8	100,2	58 900
50,0	64,6	99,2	53 400
52,0	63,5	98,2	48 400
54,0	62,3	97,1	43 700
56,0	61,1	96,0	39 300
58,0	59,9	94,9	35 200
60,0	58,7	93,6	31 500
62,0	57,4	92,3	27 900
64,0	56,2	91,0	24 600
66,0	54,9	89,6	21 600
68,0	53,6	88,1	18 600