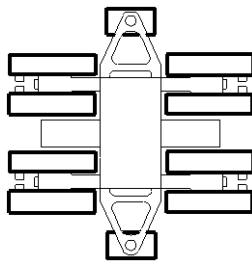
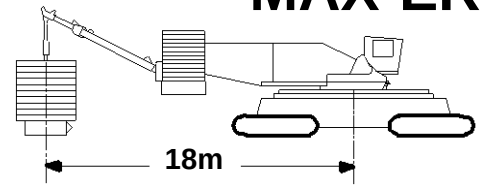


Liftcrane Boom Capacities

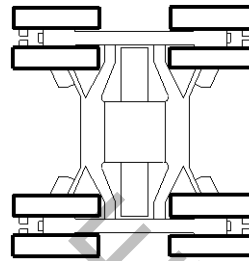
Boom No. 80 with 42.7m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



Narrow Crawler Arrangement
360 Degree Rating on Outriggers
Or
Front or Rear Rating With or Without
Retracted Outrigger Jacks



Wide Crawler Arrangement
360 Degree Rating

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 (*). **360 degree operation requires set outrigger jacks for narrow crawler arrangement.**

Hanging counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Minimum boom capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging counterweight.

Capacities above 544 300 kg require tandem lower boom points. 97.5m thru 115.8m boom lengths require only the single lower boom point (15 sheaves) to be used. Second lower boom point must be removed and single lower boom point repositioned to center of boom on 97.5m thru 115.8m boom lengths.

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

Upper boom 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 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

General: Machine to operate in a level position on a firm uniformly supporting surface with gantry in intermediate position and mast up. Refer to boom rigging **No. 194413** and Wire Rope Specification chart **No. 8168-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 operators manual for operating guidelines.

Narrow Crawler Arrangement: Narrow crawler arrangement (9.1m) requires outriggers with jacks set for 360 degree operation (no travel). Refer to operators 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 and boom within boom angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8169-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.

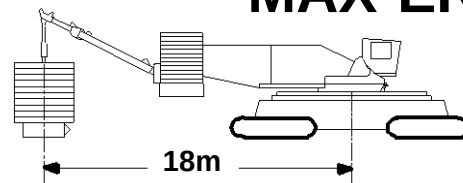
Wide Crawler Arrangement: Wide crawler arrangement (14.5m) travel allowed with 360 degree rating.

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

21000
MAX-ER



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 ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with MAX-ER, lowerworks carbody beams, outriggers, eight 4 978 mm crawlers, 1 219 mm treads, 42.7m mast, 8 534 mm

retractable gantry, 20 part boom hoist reeving, boom support straps, 208 060 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and hanging counterweight as specified.

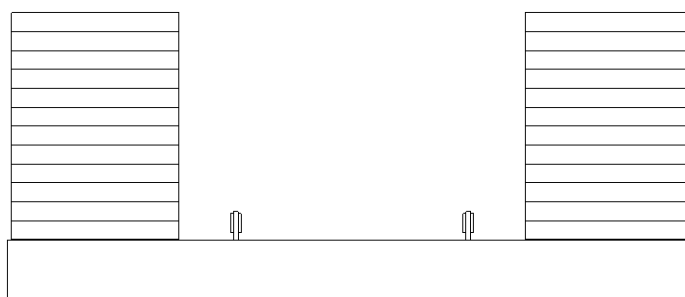
Warning: Front carbody platform must be removed when raising or lowering boom.

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.

WITH OR WITHOUT BOOM CATWALKS	
Maximum Boom Length Lifted Unassisted	
With 0 kg Hanging Counterweight	
Over End of Blocked Crawlers	Over End of Unblocked Crawlers
109.7m	103.6m
With 112 170 kg - 511 330 kg Hanging Counterweight	
Over End of Unblocked Crawlers	
115.8m	
Load block, hook and weight ball on ground at start.	

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

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

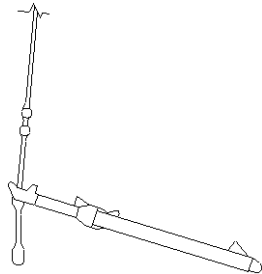
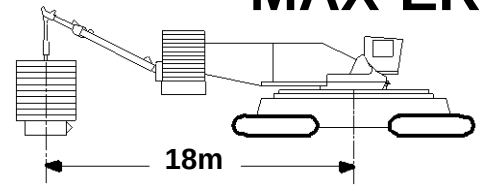
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

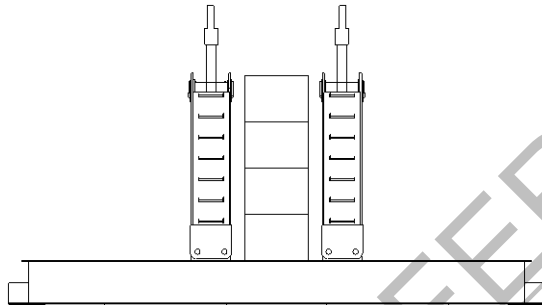
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

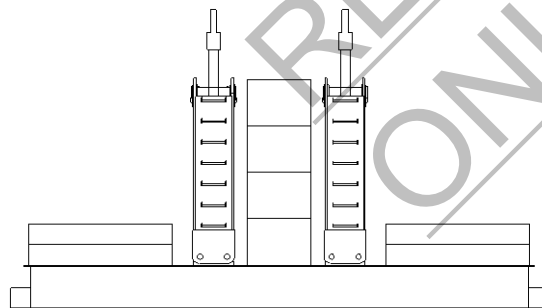
**21000
MAX-ER**



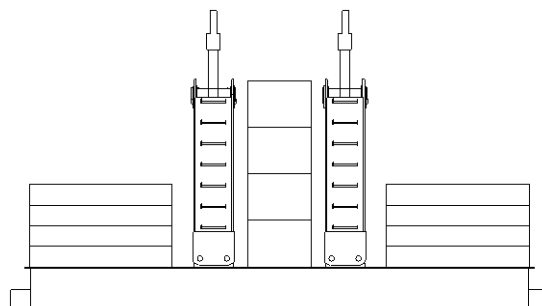
0 kg Hanging Counterweight



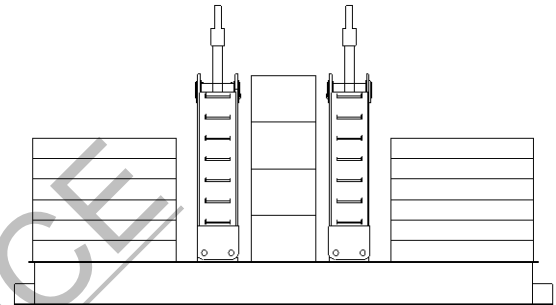
112 170 kg Hanging Counterweight
4 Center Boxes



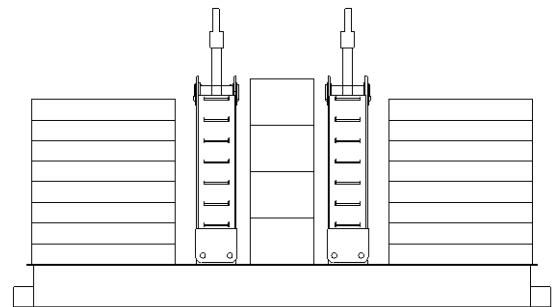
192 010 kg Hanging Counterweight
4 Side Boxes - 4 Center Boxes



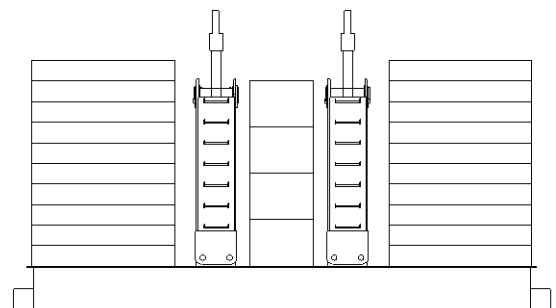
271 840 kg Hanging Counterweight
8 Side Boxes - 4 Center Boxes



351 670 kg Hanging Counterweight
12 Side Boxes - 4 Center Boxes



431 500 kg Hanging Counterweight
16 Side Boxes - 4 Center Boxes



511 330 kg Hanging Counterweight
20 Side Boxes - 4 Center Boxes

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

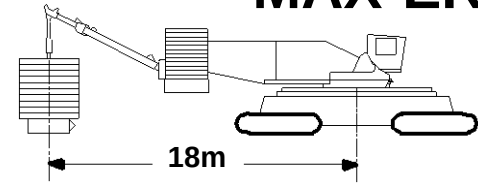
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



42.7m (140 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
8.5	82.7	45.3	632 600*	500 900	788 400*	744 900	899 200*			8.5
9.0	82.1	45.3	601 200*	464 100	749 700*	691 500	855 300*			9.0
10.0	80.7	45.1	541 600*	397 600	676 100*	595 300	771 900*			10.0
11.0	79.3	44.9	492 600*	347 000	615 600*	522 100	703 300*			11.0
12.0	78.0	44.6	451 200*	306 600	564 600*	463 800	645 400*			12.0
14.0	75.2	44.1	385 300*	246 500	483 300*	376 800	553 000*	508 700	623 900*	14.0
16.0	72.3	43.4	335 100*	203 800	421 400*	315 100	482 800*	426 500	544 200*	16.0
18.0	69.5	42.7	294 000*	172 000	372 800*	269 200	427 600*	366 400	482 500*	18.0
20.0	66.5	41.8	259 700*	147 400	333 500*	233 500	383 100*	319 800	432 600*	20.0
22.0	63.5	40.8	232 000*	127 600	301 100*	205 000	346 300*	282 400	391 500*	22.0
24.0	60.4	39.6	209 000*	111 500	273 900*	181 700	315 400*	251 900	357 000*	24.0
26.0	57.2	38.3	189 700*	98 100	250 700*	162 300	289 200*	226 600	327 600*	26.0
28.0	53.9	36.9	173 200*	86 600	230 600*	145 800	266 600*	205 100	302 300*	28.0
30.0	50.4	35.2	158 800*	76 800	212 500*	131 700	246 900*	186 700	280 300*	30.0
32.0	46.7	33.3	146 400*	68 300	196 500*	119 500	229 600*	170 700	261 000*	32.0
34.0	42.8	31.2	135 400*	60 900	182 500*	108 700	214 200*	156 600	243 800*	34.0
36.0	38.5	28.7	125 600*	54 200	170 000*	99 200	200 500*	144 200	228 500*	36.0
38.0	33.7	25.7	116 800*	48 200	158 900*	90 700	188 200*	133 100	214 800*	38.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

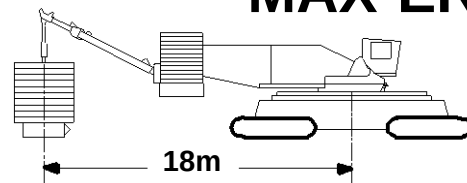
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



42.7m (140 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
8.5	82.7	45.3					8.5
9.0	82.1	45.3					9.0
10.0	80.7	45.1					10.0
11.0	79.3	44.9					11.0
12.0	78.0	44.6					12.0
14.0	75.2	44.1					14.0
16.0	72.3	43.4					16.0
18.0	69.5	42.7					18.0
20.0	66.5	41.8	406 400	482 500*			20.0
22.0	63.5	40.8	359 900	436 700*			22.0
24.0	60.4	39.6	322 300	398 500*			24.0
26.0	57.2	38.3	291 000	366 100*			26.0
28.0	53.9	36.9	264 400	338 100*			28.0
30.0	50.4	35.2	241 700	313 800*			30.0
32.0	46.7	33.3	221 900	292 400*	273 200	323 700*	32.0
34.0	42.8	31.2	204 600	273 400*	252 700	303 000*	34.0
36.0	38.5	28.7	189 300	256 500*	234 400	284 500*	36.0
38.0	33.7	25.7	175 600	241 300*	218 200	264 100*	38.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

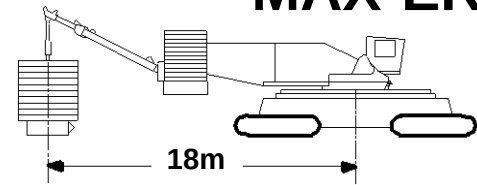
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



48.8m (160 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
9.1	82.9	51.4	588 800*	455 900	735 000*	680 800	839 000*			9.1
10.0	81.9	51.3	539 000*	399 700	673 500*	599 500	769 200*			10.0
11.0	80.7	51.1	490 000*	348 200	613 100*	525 000	700 700*			11.0
12.0	79.5	50.9	448 700*	307 200	562 100*	465 700	642 800*			12.0
14.0	77.1	50.4	382 800*	246 200	480 800*	377 400	550 600*	510 400	621 400*	14.0
16.0	74.6	49.9	332 700*	203 000	419 000*	315 000	480 400*	427 100	541 800*	16.0
18.0	72.2	49.2	291 800*	170 900	370 400*	268 500	425 300*	366 400	480 100*	18.0
20.0	69.6	48.4	257 600*	145 900	331 200*	232 600	380 800*	319 300	430 300*	20.0
22.0	67.1	47.6	229 900*	126 000	298 800*	203 800	344 000*	281 600	389 200*	22.0
24.0	64.5	46.6	206 900*	109 800	271 600*	180 300	313 200*	251 000	354 700*	24.0
26.0	61.8	45.5	187 600*	96 200	248 500*	160 800	287 000*	225 400	325 400*	26.0
28.0	59.1	44.3	171 100*	84 700	228 500*	144 200	264 400*	203 800	300 200*	28.0
30.0	56.2	43.0	156 900*	74 900	210 500*	130 100	244 700*	185 300	278 200*	30.0
32.0	53.3	41.5	144 400*	66 400	194 500*	117 800	227 500*	169 300	258 900*	32.0
34.0	50.2	39.8	133 400*	58 900	180 500*	107 000	212 100*	155 200	241 700*	34.0
36.0	47.0	37.9	123 600*	52 300	168 100*	97 500	198 500*	142 800	226 500*	36.0
38.0	43.6	35.8	114 900*	46 400	157 000*	89 000	186 200*	131 700	212 700*	38.0
40.0	40.0	33.5	107 100*	41 000	147 000*	81 400	175 100*	121 800	200 400*	40.0
42.0	36.0	30.7	100 000*	36 200	138 000*	74 500	165 000*	112 800	189 200*	42.0
44.0	31.6	27.6	93 400*	31 800	129 700*	68 200	155 500*	104 600	178 900*	44.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

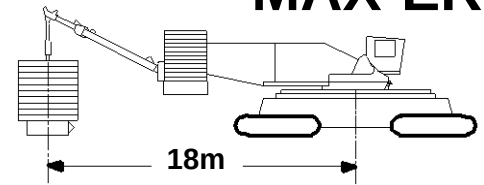
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



48.8m (160 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
9.1	82.9	51.4					9.1
10.0	81.9	51.3					10.0
11.0	80.7	51.1					11.0
12.0	79.5	50.9					12.0
14.0	77.1	50.4					14.0
16.0	74.6	49.9					16.0
18.0	72.2	49.2					18.0
20.0	69.6	48.4	406 500	480 200*			20.0
22.0	67.1	47.6	359 600	434 400*			22.0
24.0	64.5	46.6	321 700	396 300*			24.0
26.0	61.8	45.5	290 100	363 900*			26.0
28.0	59.1	44.3	263 400	335 900*			28.0
30.0	56.2	43.0	240 600	311 600*			30.0
32.0	53.3	41.5	220 800	290 200*	272 300	321 600*	32.0
34.0	50.2	39.8	203 400	271 300*	251 700	300 900*	34.0
36.0	47.0	37.9	188 100	254 400*	233 500	282 400*	36.0
38.0	43.6	35.8	174 500	239 300*	217 300	265 900*	38.0
40.0	40.0	33.5	162 200	225 600*	202 700	250 800*	40.0
42.0	36.0	30.7	151 200	213 200*	189 600	237 300*	42.0
44.0	31.6	27.6	141 100	201 900*	177 600	223 100*	44.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

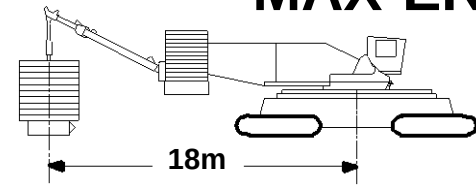
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



54.9m (180 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
10.4	82.4	57.4	518 500*	381 800	648 600*	574 500	741 300*			10.4
11.0	81.7	57.3	488 300*	349 900	611 400*	528 400	699 000*			11.0
12.0	80.7	57.1	447 100*	308 300	560 400*	468 100	641 200*			12.0
14.0	78.5	56.7	381 200*	246 400	479 200*	378 600	548 900*	512 600	619 800*	14.0
16.0	76.4	56.2	331 100*	202 700	417 400*	315 400	478 800*	428 300	540 200*	16.0
18.0	74.2	55.6	290 300*	170 200	368 800*	268 500	423 700*	366 900	478 600*	18.0
20.0	72.0	55.0	256 100*	145 100	329 600*	232 200	379 200*	319 400	428 800*	20.0
22.0	69.8	54.2	228 400*	125 000	297 200*	203 200	342 400*	281 500	387 600*	22.0
24.0	67.5	53.4	205 500*	108 600	270 100*	179 600	311 600*	250 500	353 200*	24.0
26.0	65.2	52.4	186 200*	95 000	247 000*	159 900	285 500*	224 800	323 900*	26.0
28.0	62.9	51.4	169 700*	83 500	227 000*	143 300	262 900*	203 100	298 700*	28.0
30.0	60.5	50.2	155 400*	73 600	209 000*	129 000	243 200*	184 500	276 700*	30.0
32.0	58.0	49.0	142 900*	65 100	193 100*	116 700	226 000*	168 400	257 400*	32.0
34.0	55.4	47.6	132 000*	57 500	179 100*	105 900	210 700*	154 300	240 300*	34.0
36.0	52.8	46.1	122 300*	50 900	166 700*	96 300	197 100*	141 800	225 000*	36.0
38.0	50.1	44.4	113 500*	45 000	155 600*	87 800	184 800*	130 700	211 300*	38.0
40.0	47.2	42.5	105 700*	39 700	145 700*	80 200	173 800*	120 900	199 000*	40.0
42.0	44.3	40.5	98 600*	34 900	136 600*	73 400	163 700*	111 900	187 800*	42.0
44.0	41.1	38.2	92 200*	30 600	128 400*	67 200	154 200*	103 800	177 600*	44.0
46.0	37.7	35.6	86 300*	26 600	121 000*	61 500	145 600*	96 400	168 200*	46.0
48.0	34.0	32.7	80 900*	22 900	114 100*	56 200	137 700*	89 600	159 600*	48.0
50.0	29.9	29.3	75 900*	19 500	107 700*	51 400	130 400*	83 300	151 600*	50.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

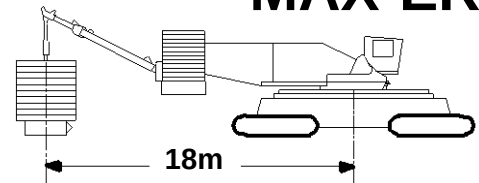
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



54.9m (180 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
10.4	82.4	57.4					10.4
11.0	81.7	57.3					11.0
12.0	80.7	57.1					12.0
14.0	78.5	56.7					14.0
16.0	76.4	56.2					16.0
18.0	74.2	55.6					18.0
20.0	72.0	55.0					20.0
22.0	69.8	54.2	360 500	433 400*			22.0
24.0	67.5	53.4	321 600	394 800*			24.0
26.0	65.2	52.4	289 900	362 400*			26.0
28.0	62.9	51.4	263 000	334 400*			28.0
30.0	60.5	50.2	240 000	310 100*			30.0
32.0	58.0	49.0	220 100	288 800*	271 900	320 100*	32.0
34.0	55.4	47.6	202 700	269 900*	251 200	299 500*	34.0
36.0	52.8	46.1	187 400	253 000*	232 900	281 000*	36.0
38.0	50.1	44.4	173 700	237 900*	216 700	264 400*	38.0
40.0	47.2	42.5	161 500	224 200*	202 100	249 500*	40.0
42.0	44.3	40.5	150 400	211 800*	189 000	235 900*	42.0
44.0	41.1	38.2	140 400	200 500*	177 100	223 500*	44.0
46.0	37.7	35.6	131 300	190 200*	166 300	212 200*	46.0
48.0	34.0	32.7	123 000	180 700*	156 400	201 800*	48.0
50.0	29.9	29.3	115 200	171 900*	147 200	191 200*	50.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

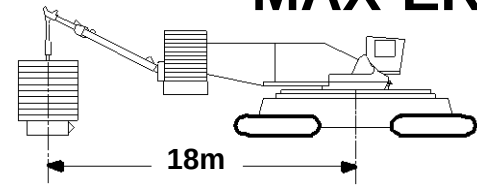
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



61.0m (200 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
11.0	82.6	63.5	488 000*	354 300	611 300*	535 100	699 100*			11.0
12.0	81.6	63.3	445 400*	310 400	558 800*	471 800	639 500*			12.0
14.0	79.7	62.9	379 400*	247 300	477 500*	380 600	547 200*	515 600	618 100*	14.0
16.0	77.8	62.5	329 300*	202 700	415 600*	316 300	476 900*	429 900	538 400*	16.0
18.0	75.8	62.0	288 600*	169 700	366 900*	268 600	421 800*	367 700	476 700*	18.0
20.0	73.9	61.4	254 400*	144 200	327 700*	231 800	377 300*	319 500	426 800*	20.0
22.0	71.9	60.7	226 700*	123 800	295 200*	202 400	340 500*	281 100	385 700*	22.0
24.0	69.9	60.0	203 600*	107 200	268 100*	178 500	309 600*	249 800	351 200*	24.0
26.0	67.9	59.1	184 300*	93 400	245 000*	158 600	283 500*	223 800	321 900*	26.0
28.0	65.8	58.2	167 800*	81 700	225 000*	141 800	260 800*	201 900	296 600*	28.0
30.0	63.7	57.2	153 500*	71 700	207 100*	127 400	241 100*	183 100	274 600*	30.0
32.0	61.5	56.1	141 000*	63 100	191 200*	114 900	223 900*	166 900	255 300*	32.0
34.0	59.4	54.9	130 000*	55 400	177 100*	104 000	208 600*	152 600	238 200*	34.0
36.0	57.1	53.6	120 300*	48 800	164 700*	94 400	194 900*	140 100	222 900*	36.0
38.0	54.8	52.2	111 500*	42 800	153 700*	85 900	182 700*	128 900	209 200*	38.0
40.0	52.4	50.7	103 700*	37 500	143 700*	78 200	171 600*	118 900	196 900*	40.0
42.0	50.0	49.0	96 600*	32 600	134 600*	71 300	161 600*	109 900	185 700*	42.0
44.0	47.4	47.1	90 200*	28 300	126 400*	65 000	152 200*	101 800	175 400*	44.0
46.0	44.8	45.1	84 300*	24 300	118 900*	59 300	143 600*	94 400	166 100*	46.0
48.0	41.9	42.9	78 900*	20 700	112 100*	54 100	135 700*	87 600	157 500*	48.0
50.0	39.0	40.5	73 900*	17 300	105 700*	49 300	128 400*	81 400	149 600*	50.0
52.0	35.8	37.7	69 300*	14 100	99 900*	44 800	121 600*	75 600	142 200*	52.0
54.0	32.3	34.6	65 000*	11 200	94 500*	40 700	115 400*	70 200	135 400*	54.0
56.0	28.4	31.0	61 000*	8 500	89 400*	36 800	109 600*	65 200	129 000*	56.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

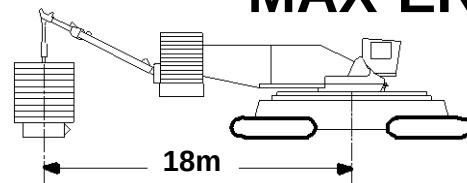
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



61.0m (200 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
11.0	82.6	63.5					11.0
12.0	81.6	63.3					12.0
14.0	79.7	62.9					14.0
16.0	77.8	62.5					16.0
18.0	75.8	62.0					18.0
20.0	73.9	61.4					20.0
22.0	71.9	60.7	360 500	431 500*			22.0
24.0	69.9	60.0	321 200	392 800*			24.0
26.0	67.9	59.1	289 200	360 300*			26.0
28.0	65.8	58.2	262 100	332 400*			28.0
30.0	63.7	57.2	238 900	308 000*			30.0
32.0	61.5	56.1	218 800	286 700*			32.0
34.0	59.4	54.9	201 300	267 800*	250 100	297 500*	34.0
36.0	57.1	53.6	185 800	250 900*	231 600	278 900*	36.0
38.0	54.8	52.2	172 100	235 800*	215 200	262 300*	38.0
40.0	52.4	50.7	159 800	222 100*	200 600	247 400*	40.0
42.0	50.0	49.0	148 700	209 700*	187 400	233 800*	42.0
44.0	47.4	47.1	138 600	198 400*	175 500	221 400*	44.0
46.0	44.8	45.1	129 500	188 100*	164 600	210 100*	46.0
48.0	41.9	42.9	121 200	178 600*	154 700	199 700*	48.0
50.0	39.0	40.5	113 500	169 800*	145 600	190 100*	50.0
52.0	35.8	37.7	106 400	161 700*	137 200	181 200*	52.0
54.0	32.3	34.6	99 800	154 100*	129 400	172 900*	54.0
56.0	28.4	31.0	93 600	147 100*	122 100	164 300*	56.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

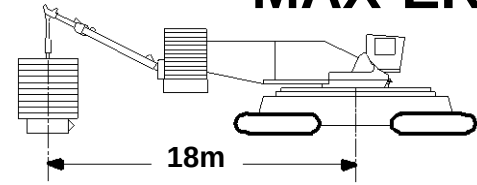
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



67.1m (220 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
11.6	82.7	69.5	460 100*	329 100	577 300*	499 200	660 800*			11.6
12.0	82.4	69.5	443 900*	312 400	557 300*	475 200	638 100*			12.0
14.0	80.6	69.1	377 600*	247 700	475 600*	381 900	545 300*	517 900	616 200*	14.0
16.0	78.9	68.7	327 400*	202 400	413 600*	316 600	475 000*	431 000	536 400*	16.0
18.0	77.2	68.3	286 800*	168 900	365 000*	268 400	419 800*	367 900	474 700*	18.0
20.0	75.4	67.7	252 700*	143 000	325 700*	231 100	375 300*	319 200	424 800*	20.0
22.0	73.6	67.1	224 800*	122 400	293 200*	201 300	338 500*	280 400	383 700*	22.0
24.0	71.8	66.5	201 800*	105 600	266 000*	177 200	307 600*	248 800	349 100*	24.0
26.0	70.0	65.7	182 400*	91 600	242 900*	157 100	281 400*	222 600	319 800*	26.0
28.0	68.1	64.9	165 800*	79 800	223 000*	140 100	258 700*	200 400	294 500*	28.0
30.0	66.3	64.0	151 500*	69 700	205 200*	125 600	239 100*	181 500	272 500*	30.0
32.0	64.4	63.1	139 000*	61 000	189 200*	113 000	221 800*	165 100	253 200*	32.0
34.0	62.4	62.0	128 000*	53 300	175 100*	102 000	206 500*	150 800	236 100*	34.0
36.0	60.5	60.9	118 200*	46 600	162 700*	92 300	192 800*	138 200	220 800*	36.0
38.0	58.5	59.6	109 500*	40 600	151 600*	83 700	180 600*	126 900	207 100*	38.0
40.0	56.4	58.3	101 600*	35 100	141 600*	76 000	169 500*	116 900	194 800*	40.0
42.0	54.3	56.8	94 600*	30 300	132 600*	69 100	159 500*	107 900	183 500*	42.0
44.0	52.1	55.3	88 100*	25 900	124 400*	62 800	150 200*	99 700	173 300*	44.0
46.0	49.9	53.6	82 200*	21 900	116 900*	57 100	141 500*	92 300	163 900*	46.0
48.0	47.6	51.8	76 800*	18 200	110 000*	51 800	133 600*	85 400	155 400*	48.0
50.0	45.2	49.8	71 800*	14 800	103 700*	47 000	126 300*	79 200	147 400*	50.0
52.0	42.6	47.6	67 200*	11 700	97 800*	42 600	119 600*	73 400	140 100*	52.0
54.0	40.0	45.2	63 000*	8 800	92 400*	38 400	113 400*	68 100	133 200*	54.0
56.0	37.2	42.6	59 000*	6 100	87 400*	34 600	107 600*	63 100	126 900*	56.0
58.0	34.2	39.7	55 300*	3 600	82 700*	31 000	102 200*	58 500	121 000*	58.0
60.0	30.9	36.4	51 400*		78 300*	27 600	97 100*	54 100	115 400*	60.0
62.0	27.2	32.6	47 400*		74 200*	24 500	92 400*	50 000	110 200*	62.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

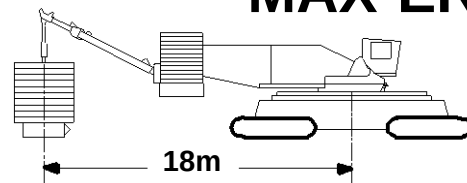
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



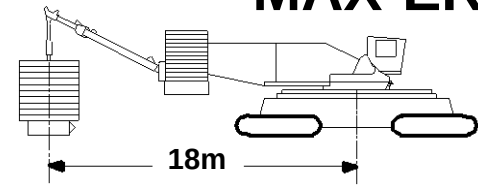
67.1m (220 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
11.6	82.7	69.5							11.6
12.0	82.4	69.5							12.0
14.0	80.6	69.1							14.0
16.0	78.9	68.7							16.0
18.0	77.2	68.3							18.0
20.0	75.4	67.7							20.0
22.0	73.6	67.1	360 200	429 400*					22.0
24.0	71.8	66.5	320 600	390 700*					24.0
26.0	70.0	65.7	288 200	358 300*					26.0
28.0	68.1	64.9	260 900	330 300*					28.0
30.0	66.3	64.0	237 500	306 000*					30.0
32.0	64.4	63.1	217 300	284 600*					32.0
34.0	62.4	62.0	199 600	265 700*	248 700	295 400*			34.0
36.0	60.5	60.9	184 100	248 800*	230 000	276 800*			36.0
38.0	58.5	59.6	170 200	233 600*	213 500	260 200*			38.0
40.0	56.4	58.3	157 900	220 000*	198 900	245 200*			40.0
42.0	54.3	56.8	146 700	207 600*	185 600	231 600*			42.0
44.0	52.1	55.3	136 600	196 300*	173 700	219 300*			44.0
46.0	49.9	53.6	127 500	185 900*	162 800	207 900*			46.0
48.0	47.6	51.8	119 100	176 400*	152 800	197 500*			48.0
50.0	45.2	49.8	111 400	167 700*	143 700	187 900*			50.0
52.0	42.6	47.6	104 300	159 600*	135 200	179 100*	166 200	198 500*	52.0
54.0	40.0	45.2	97 800	152 000*	127 500	170 800*	157 200	189 600*	54.0
56.0	37.2	42.6	91 700	145 000*	120 200	163 100*	148 800	181 300*	56.0
58.0	34.2	39.7	86 000	138 500*	113 500	156 000*	141 000	171 200*	58.0
60.0	30.9	36.4	80 600	132 300*	107 200	149 300*	133 700	159 500*	60.0
62.0	27.2	32.6	75 600	126 600*	101 200	141 800*			62.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81
208 060 kg Crane Counterweight
90 720 kg Carbody Counterweight
**0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position**
Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**

73.2m (240 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
12.2	82.9	75.6	435 400*	307 400	547 100*	468 200	626 600*			12.2
14.0	81.4	75.3	376 500*	249 300	474 500*	384 500	544 300*			14.0
16.0	79.8	75.0	326 300*	203 300	412 500*	318 300	474 000*	435 300	536 700*	16.0
18.0	78.2	74.5	285 900*	169 300	363 900*	269 400	418 700*	369 500	473 600*	18.0
20.0	76.6	74.0	251 700*	143 100	324 600*	231 600	374 200*	320 300	423 700*	20.0
22.0	75.0	73.5	223 900*	122 200	292 100*	201 500	337 300*	281 000	382 500*	22.0
24.0	73.4	72.9	200 800*	105 200	264 900*	177 100	306 500*	249 100	348 000*	24.0
26.0	71.7	72.2	181 400*	91 100	241 800*	156 800	280 200*	222 600	318 700*	26.0
28.0	70.0	71.5	164 800*	79 100	221 800*	139 700	257 600*	200 300	293 400*	28.0
30.0	68.4	70.7	150 500*	68 900	204 100*	125 000	237 900*	181 200	271 300*	30.0
32.0	66.7	69.8	138 000*	60 100	188 100*	112 400	220 600*	164 700	252 000*	32.0
34.0	64.9	68.9	127 000*	52 400	174 100*	101 300	205 300*	150 200	234 900*	34.0
36.0	63.2	67.8	117 200*	45 600	161 600*	91 500	191 600*	137 500	219 600*	36.0
38.0	61.4	66.7	108 500*	39 500	150 500*	82 900	179 400*	126 300	205 900*	38.0
40.0	59.6	65.6	100 600*	34 100	140 500*	75 100	168 300*	116 200	193 600*	40.0
42.0	57.7	64.3	93 500*	29 200	131 500*	68 100	158 300*	107 100	182 300*	42.0
44.0	55.8	62.9	87 000*	24 800	123 300*	61 800	149 100*	98 900	172 100*	44.0
46.0	53.9	61.5	81 100*	20 800	115 800*	56 100	140 400*	91 400	162 800*	46.0
48.0	51.9	59.9	75 700*	17 100	108 900*	50 800	132 500*	84 500	154 200*	48.0
50.0	49.8	58.2	70 700*	13 700	102 600*	46 000	125 200*	78 200	146 300*	50.0
52.0	47.7	56.4	66 100*	10 600	96 700*	41 500	118 500*	72 500	138 900*	52.0
54.0	45.5	54.4	61 900*	7 700	91 300*	37 400	112 300*	67 100	132 100*	54.0
56.0	43.2	52.3	57 900*	5 000	86 300*	33 500	106 500*	62 200	125 800*	56.0
58.0	40.8	50.0	54 200*	2 400	81 600*	30 000	101 100*	57 500	119 900*	58.0
60.0	38.3	47.4	50 200*		77 300*	26 700	96 100*	53 200	114 300*	60.0
62.0	35.6	44.7	46 400*		73 100*	23 500	91 400*	49 200	109 200*	62.0
64.0	32.8	41.6	42 700*		69 300*	20 600	86 900*	45 400	104 300*	64.0
66.0	29.6	38.2	39 300*		65 700*	17 800	82 700*	41 800	99 600*	66.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

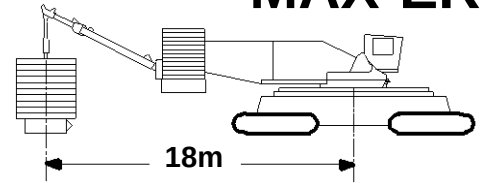
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



73.2m (240 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
12.2	82.9	75.6							12.2
14.0	81.4	75.3							14.0
16.0	79.8	75.0							16.0
18.0	78.2	74.5							18.0
20.0	76.6	74.0							20.0
22.0	75.0	73.5	361 200	428 300*					22.0
24.0	73.4	72.9	321 200	389 600*					24.0
26.0	71.7	72.2	288 500	357 100*					26.0
28.0	70.0	71.5	261 000	329 100*					28.0
30.0	68.4	70.7	237 400	304 800*					30.0
32.0	66.7	69.8	217 100	283 400*					32.0
34.0	64.9	68.9	199 300	264 500*	248 500	294 200*			34.0
36.0	63.2	67.8	183 600	247 600*	229 700	275 600*			36.0
38.0	61.4	66.7	169 700	232 500*	213 200	259 000*			38.0
40.0	59.6	65.6	157 200	218 800*	198 400	244 000*			40.0
42.0	57.7	64.3	146 100	206 400*	185 100	230 500*			42.0
44.0	55.8	62.9	135 900	195 100*	173 100	218 100*			44.0
46.0	53.9	61.5	126 700	184 800*	162 100	206 800*			46.0
48.0	51.9	59.9	118 300	175 300*	152 100	196 400*			48.0
50.0	49.8	58.2	110 600	166 500*	143 000	186 800*			50.0
52.0	47.7	56.4	103 500	158 400*	134 600	177 900*	165 600	197 400*	52.0
54.0	45.5	54.4	96 900	150 900*	126 800	169 700*	156 600	188 500*	54.0
56.0	43.2	52.3	90 800	143 900*	119 500	162 000*	148 200	180 100*	56.0
58.0	40.8	50.0	85 200	137 400*	112 800	154 900*	140 500	172 400*	58.0
60.0	38.3	47.4	79 900	131 300*	106 500	148 200*	133 200	165 100*	60.0
62.0	35.6	44.7	74 900	125 500*	100 600	141 900*	126 400	158 300*	62.0
64.0	32.8	41.6	70 200	120 100*	95 100	136 000*	120 000	149 000*	64.0
66.0	29.6	38.2	65 800	115 000*	89 900	130 400*	114 000	139 200*	66.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

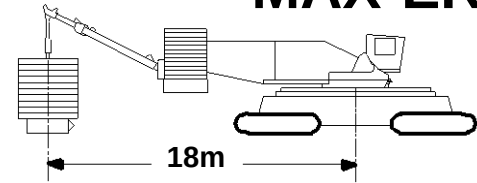
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

 0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**


79.2m (260 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
13.7	82.3	81.5	382 900*	258 000	482 800*	397 900	554 000*			13.7
14.0	82.1	81.5	375 200*	250 800	473 400*	387 500	543 300*			14.0
16.0	80.6	81.2	324 200*	203 000	410 500*	318 800	471 900*	436 700	534 700*	16.0
18.0	79.2	80.8	284 000*	168 500	361 800*	269 200	416 700*	369 900	471 500*	18.0
20.0	77.7	80.3	249 800*	141 900	322 500*	230 900	372 100*	320 100	421 700*	20.0
22.0	76.2	79.8	222 000*	120 700	290 000*	200 500	335 200*	280 300	380 400*	22.0
24.0	74.7	79.3	198 900*	103 500	262 800*	175 800	304 300*	248 100	345 900*	24.0
26.0	73.2	78.7	179 400*	89 200	239 600*	155 300	278 100*	221 400	316 500*	26.0
28.0	71.7	78.0	162 800*	77 200	219 700*	138 000	255 400*	198 800	291 200*	28.0
30.0	70.1	77.2	148 400*	66 900	202 100*	123 200	235 800*	179 600	269 200*	30.0
32.0	68.6	76.5	135 900*	57 900	186 100*	110 400	218 400*	163 000	249 900*	32.0
34.0	67.0	75.6	124 900*	50 100	172 100*	99 200	203 100*	148 400	232 700*	34.0
36.0	65.4	74.7	115 100*	43 300	159 600*	89 400	189 500*	135 600	217 400*	36.0
38.0	63.8	73.7	106 400*	37 200	148 400*	80 700	177 200*	124 200	203 800*	38.0
40.0	62.1	72.6	98 500*	31 700	138 400*	72 800	166 100*	114 100	191 400*	40.0
42.0	60.5	71.5	91 400*	26 800	129 400*	65 800	156 100*	104 900	180 200*	42.0
44.0	58.8	70.2	84 900*	22 300	121 100*	59 500	147 000*	96 700	170 000*	44.0
46.0	57.1	68.9	79 000*	18 300	113 700*	53 700	138 300*	89 100	160 600*	46.0
48.0	55.3	67.6	73 600*	14 600	106 800*	48 400	130 400*	82 300	152 000*	48.0
50.0	53.5	66.1	68 600*	11 200	100 500*	43 500	123 100*	75 900	144 100*	50.0
52.0	51.6	64.5	64 000*	8 000	94 600*	39 100	116 400*	70 100	136 700*	52.0
54.0	49.7	62.8	59 800*	5 100	89 200*	34 900	110 200*	64 800	129 900*	54.0
56.0	47.8	61.0	55 800*	2 400	84 200*	31 100	104 400*	59 800	123 600*	56.0
58.0	45.8	59.0	51 700*		79 500*	27 500	99 000*	55 200	117 700*	58.0
60.0	43.7	56.9	47 600*		75 100*	24 200	94 000*	50 900	112 100*	60.0
62.0	41.5	54.7	43 800*		71 000*	21 100	89 300*	46 800	107 000*	62.0
64.0	39.2	52.2	40 200*		67 200*	18 100	84 800*	43 000	102 100*	64.0
66.0	36.8	49.6	36 700*		63 600*	15 300	80 700*	39 500	97 500*	66.0
68.0	34.3	46.7	33 500*		60 100*	12 800	76 700*	36 100	93 200*	68.0
70.0	31.5	43.5	30 500*		56 900*	10 200	73 000*	32 900	89 100*	70.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

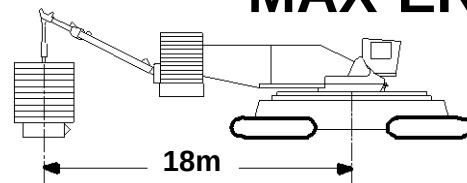
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



79.2m (260 Ft.) Boom

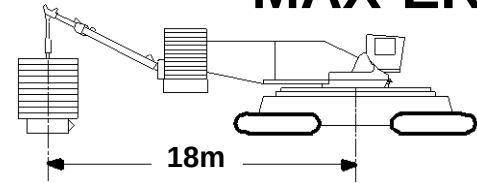
Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
13.7	82.3	81.5							13.7
14.0	82.1	81.5							14.0
16.0	80.6	81.2							16.0
18.0	79.2	80.8							18.0
20.0	77.7	80.3							20.0
22.0	76.2	79.8							22.0
24.0	74.7	79.3	321 000	387 800*					24.0
26.0	73.2	78.7	287 600	355 000*					26.0
28.0	71.7	78.0	259 800	327 000*					28.0
30.0	70.1	77.2	236 000	302 600*					30.0
32.0	68.6	76.5	215 500	281 300*					32.0
34.0	67.0	75.6	197 600	262 300*	247 000	292 100*			34.0
36.0	65.4	74.7	181 800	245 400*	228 100	273 400*			36.0
38.0	63.8	73.7	167 800	230 300*	211 500	256 800*			38.0
40.0	62.1	72.6	155 300	216 600*	196 600	241 900*			40.0
42.0	60.5	71.5	144 000	204 200*	183 200	228 300*			42.0
44.0	58.8	70.2	133 800	192 900*	171 100	215 900*			44.0
46.0	57.1	68.9	124 600	182 600*	160 100	204 600*			46.0
48.0	55.3	67.6	116 100	173 100*	150 100	194 200*			48.0
50.0	53.5	66.1	108 400	164 300*	140 900	184 600*			50.0
52.0	51.6	64.5	101 200	156 200*	132 400	175 700*	163 600	195 200*	52.0
54.0	49.7	62.8	94 700	148 700*	124 600	167 500*	154 500	186 300*	54.0
56.0	47.8	61.0	88 500	141 700*	117 300	159 800*	146 100	177 900*	56.0
58.0	45.8	59.0	82 900	135 200*	110 600	152 700*	138 300	170 200*	58.0
60.0	43.7	56.9	77 600	129 100*	104 300	146 000*	131 100	162 900*	60.0
62.0	41.5	54.7	72 600	123 300*	98 400	139 800*	124 300	156 100*	62.0
64.0	39.2	52.2	68 000	118 000*	92 900	133 900*	117 900	149 800*	64.0
66.0	36.8	49.6	63 600	112 900*	87 800	128 300*	111 900	143 700*	66.0
68.0	34.3	46.7	59 400	108 100*	82 900	123 100*	106 300	137 400*	68.0
70.0	31.5	43.5	55 500	103 600*	78 200	118 100*	101 000	128 900*	70.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81
 208 060 kg Crane Counterweight
 90 720 kg Carbody Counterweight
 0 kg Thru 511 330 kg Hanging Counterweight
 at 18m Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



85.3m (280 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
13.7	82.9	87.7	381 600*	259 500	481 500*	400 500	552 700*			13.7
14.0	82.7	87.7	373 900*	252 200	472 100*	390 000	542 000*			14.0
16.0	81.3	87.4	322 900*	203 600	409 200*	320 200	470 600*	438 900	533 400*	16.0
18.0	79.9	87.0	282 800*	168 600	360 400*	269 800	415 300*	371 300	470 200*	18.0
20.0	78.6	86.6	248 700*	141 600	321 100*	231 200	370 700*	320 800	420 300*	20.0
22.0	77.2	86.1	220 700*	120 200	288 600*	200 300	333 800*	280 600	379 000*	22.0
24.0	75.8	85.6	197 600*	102 700	261 400*	175 400	302 900*	248 100	344 500*	24.0
26.0	74.4	85.0	178 200*	88 300	238 200*	154 700	276 700*	221 100	315 200*	26.0
28.0	73.0	84.4	161 500*	76 100	218 300*	137 200	254 100*	198 400	289 800*	28.0
30.0	71.6	83.7	147 200*	65 800	200 700*	122 300	234 300*	178 900	267 800*	30.0
32.0	70.2	83.0	134 600*	56 800	184 800*	109 400	217 100*	162 200	248 500*	32.0
34.0	68.7	82.2	123 600*	48 900	170 700*	98 200	201 700*	147 500	231 300*	34.0
36.0	67.3	81.4	113 800*	42 000	158 300*	88 300	188 100*	134 600	216 100*	36.0
38.0	65.8	80.5	105 100*	35 800	147 200*	79 500	175 800*	123 200	202 400*	38.0
40.0	64.3	79.5	97 200*	30 300	137 100*	71 600	164 800*	113 000	190 000*	40.0
42.0	62.8	78.5	90 100*	25 400	128 100*	64 600	154 700*	103 800	178 800*	42.0
44.0	61.3	77.4	83 600*	20 900	119 900*	58 100	145 600*	95 400	168 600*	44.0
46.0	59.7	76.2	77 700*	16 800	112 400*	52 300	137 000*	87 900	159 200*	46.0
48.0	58.1	74.9	72 300*	13 100	105 500*	47 000	129 100*	81 000	150 600*	48.0
50.0	56.5	73.6	67 300*	9 700	99 200*	42 200	121 800*	74 700	142 700*	50.0
52.0	54.9	72.2	62 700*	6 500	93 300*	37 700	115 100*	68 800	135 400*	52.0
54.0	53.2	70.7	58 500*	3 600	87 900*	33 500	108 900*	63 500	128 600*	54.0
56.0	51.5	69.1	54 500*		82 900*	29 700	103 100*	58 500	122 200*	56.0
58.0	49.7	67.4	50 200*		78 200*	26 100	97 700*	53 900	116 400*	58.0
60.0	47.9	65.6	46 100*		73 900*	22 800	92 700*	49 500	110 800*	60.0
62.0	46.0	63.6	42 300*		69 800*	19 600	88 000*	45 500	105 700*	62.0
64.0	44.1	61.6	38 700*		65 900*	16 700	83 600*	41 700	100 800*	64.0
66.0	42.1	59.4	35 200*		62 300*	13 900	79 400*	38 100	96 200*	66.0
68.0	40.0	57.0	32 000*		58 900*	11 300	75 500*	34 800	91 900*	68.0
70.0	37.8	54.4	29 000*		55 700*	8 900	71 800*	31 600	87 800*	70.0
74.0	33.1	48.6	23 400*		49 800*	4 300	65 000*	25 700	80 200*	74.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

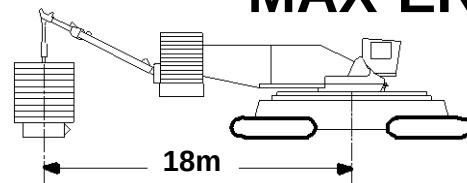
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

 0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**


85.3m (280 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
13.7	82.9	87.7							13.7
14.0	82.7	87.7							14.0
16.0	81.3	87.4							16.0
18.0	79.9	87.0							18.0
20.0	78.6	86.6							20.0
22.0	77.2	86.1							22.0
24.0	75.8	85.6	321 300	386 400*					24.0
26.0	74.4	85.0	287 600	353 600*					26.0
28.0	73.0	84.4	259 500	325 600*					28.0
30.0	71.6	83.7	235 600	301 200*					30.0
32.0	70.2	83.0	214 900	279 900*					32.0
34.0	68.7	82.2	196 900	260 900*					34.0
36.0	67.3	81.4	181 000	244 100*	227 600	272 200*			36.0
38.0	65.8	80.5	166 900	228 900*	210 700	255 400*			38.0
40.0	64.3	79.5	154 300	215 200*	195 700	240 500*			40.0
42.0	62.8	78.5	143 000	202 800*	182 300	226 900*			42.0
44.0	61.3	77.4	132 800	191 600*	170 200	214 500*			44.0
46.0	59.7	76.2	123 500	181 200*	159 100	203 200*			46.0
48.0	58.1	74.9	115 000	171 700*	149 000	192 800*			48.0
50.0	56.5	73.6	107 200	163 000*	139 800	183 200*			50.0
52.0	54.9	72.2	100 100	154 900*	131 300	174 300*	162 600	193 900*	52.0
54.0	53.2	70.7	93 400	147 400*	123 400	166 100*	153 500	184 900*	54.0
56.0	51.5	69.1	87 300	140 400*	116 200	158 500*	145 100	176 600*	56.0
58.0	49.7	67.4	81 600	133 800*	109 400	151 400*	137 300	168 900*	58.0
60.0	47.9	65.6	76 300	127 800*	103 100	144 700*	130 000	161 600*	60.0
62.0	46.0	63.6	71 400	122 000*	97 300	138 400*	123 200	154 800*	62.0
64.0	44.1	61.6	66 700	116 700*	91 700	132 600*	116 800	148 400*	64.0
66.0	42.1	59.4	62 400	111 600*	86 600	127 000*	110 800	142 400*	66.0
68.0	40.0	57.0	58 200	106 800*	81 700	121 800*	105 200	136 700*	68.0
70.0	37.8	54.4	54 300	102 300*	77 100	116 900*	99 900	131 400*	70.0
74.0	33.1	48.6	47 200	94 000*	68 600	107 800*	90 100	120 200*	74.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

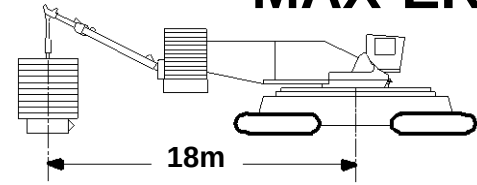
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



91.4m (300 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
15.2	82.4	93.6	338 600*	219 700	429 000*	344 200	493 300*	468 800	557 600*	15.2
16.0	81.9	93.5	321 700*	204 100	408 200*	321 800	469 700*	439 600	531 300*	16.0
18.0	80.6	93.2	280 800*	167 500	358 300*	269 300	413 200*	371 200	468 100*	18.0
20.0	79.3	92.8	246 700*	140 200	319 000*	230 100	368 500*	320 200	418 100*	20.0
22.0	78.1	92.4	218 800*	118 500	286 500*	199 000	331 700*	279 600	376 900*	22.0
24.0	76.8	91.9	195 600*	100 900	259 200*	173 800	300 800*	246 800	342 300*	24.0
26.0	75.5	91.4	176 200*	86 300	236 000*	152 900	274 500*	219 600	312 900*	26.0
28.0	74.2	90.8	159 500*	74 000	216 100*	135 300	251 800*	196 700	287 600*	28.0
30.0	72.9	90.2	145 100*	63 600	198 600*	120 300	232 100*	177 100	265 600*	30.0
32.0	71.5	89.5	132 600*	54 500	182 700*	107 300	214 800*	160 200	246 200*	32.0
34.0	70.2	88.8	121 500*	46 600	168 600*	96 000	199 500*	145 500	229 100*	34.0
36.0	68.9	88.0	111 700*	39 600	156 200*	86 000	185 900*	132 500	213 800*	36.0
38.0	67.5	87.1	102 900*	33 400	145 000*	77 200	173 600*	121 000	200 100*	38.0
40.0	66.1	86.3	95 100*	27 800	135 000*	69 200	162 500*	110 700	187 800*	40.0
42.0	64.7	85.3	87 900*	22 900	126 000*	62 100	152 500*	101 500	176 600*	42.0
44.0	63.3	84.3	81 500*	18 300	117 700*	55 700	143 400*	93 100	166 300*	44.0
46.0	61.9	83.2	75 600*	14 200	110 200*	49 900	134 900*	85 500	157 000*	46.0
48.0	60.5	82.1	70 200*	10 500	103 300*	44 500	127 000*	78 600	148 400*	48.0
50.0	59.0	80.9	65 200*	7 100	97 000*	39 600	119 700*	72 200	140 500*	50.0
52.0	57.5	79.6	60 600*	3 900	91 200*	35 100	112 900*	66 400	133 200*	52.0
54.0	56.0	78.2	56 300*		85 800*	31 000	106 700*	60 900	126 300*	54.0
56.0	54.5	76.8	52 000*		80 800*	27 100	101 000*	55 900	120 000*	56.0
58.0	52.9	75.3	47 500*		76 000*	23 500	95 600*	51 300	114 100*	58.0
60.0	51.3	73.7	43 400*		71 700*	20 200	90 500*	47 000	108 600*	60.0
62.0	49.6	72.0	39 500*		67 600*	17 000	85 800*	42 900	103 400*	62.0
64.0	48.0	70.2	35 900*		63 800*	14 100	81 400*	39 200	98 600*	64.0
66.0	46.2	68.3	32 500*		60 200*	11 300	77 200*	35 600	94 000*	66.0
68.0	44.4	66.2	29 300*		56 700*	8 700	73 300*	32 200	89 700*	68.0
70.0	42.6	64.0	26 300*		53 500*	6 200	69 700*	29 100	85 600*	70.0
74.0	38.7	59.2	20 700*		47 600*	1 700	62 800*	23 200	78 100*	74.0
78.0	34.4	53.7			42 300*		56 700*	17 900	71 200*	78.0
82.0	29.5	47.0			37 400*		51 200*	13 100	64 900*	82.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

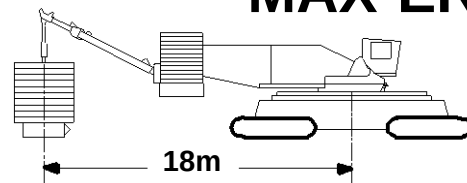
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



91.4m (300 Ft.) Boom

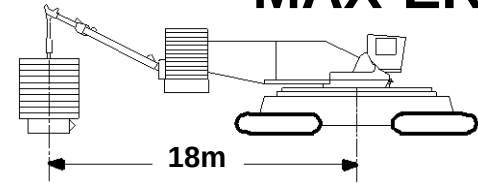
Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
15.2	82.4	93.6							15.2
16.0	81.9	93.5							16.0
18.0	80.6	93.2							18.0
20.0	79.3	92.8							20.0
22.0	78.1	92.4							22.0
24.0	76.8	91.9	320 300	384 300*					24.0
26.0	75.5	91.4	286 300	351 400*					26.0
28.0	74.2	90.8	258 000	323 400*					28.0
30.0	72.9	90.2	234 000	299 000*					30.0
32.0	71.5	89.5	213 200	277 700*					32.0
34.0	70.2	88.8	195 000	258 700*					34.0
36.0	68.9	88.0	179 000	241 800*	225 700	269 900*			36.0
38.0	67.5	87.1	164 900	226 700*	208 800	253 200*			38.0
40.0	66.1	86.3	152 200	213 000*	193 700	238 200*			40.0
42.0	64.7	85.3	140 800	200 600*	180 200	224 700*			42.0
44.0	63.3	84.3	130 500	189 300*	168 000	212 300*			44.0
46.0	61.9	83.2	121 200	179 000*	156 900	201 000*			46.0
48.0	60.5	82.1	112 700	169 500*	146 800	190 600*			48.0
50.0	59.0	80.9	104 800	160 700*	137 500	181 000*			50.0
52.0	57.5	79.6	97 700	152 600*	129 000	172 100*	160 300	191 600*	52.0
54.0	56.0	78.2	91 000	145 100*	121 100	163 900*	151 200	182 700*	54.0
56.0	54.5	76.8	84 900	138 100*	113 800	156 300*	142 800	174 400*	56.0
58.0	52.9	75.3	79 200	131 600*	107 000	149 100*	134 900	166 600*	58.0
60.0	51.3	73.7	73 800	125 500*	100 700	142 400*	127 600	159 400*	60.0
62.0	49.6	72.0	68 900	119 800*	94 800	136 200*	120 800	152 600*	62.0
64.0	48.0	70.2	64 200	114 500*	89 300	130 300*	114 500	146 200*	64.0
66.0	46.2	68.3	59 800	109 400*	84 100	124 800*	108 500	140 200*	66.0
68.0	44.4	66.2	55 700	104 700*	79 300	119 600*	102 800	134 600*	68.0
70.0	42.6	64.0	51 900	100 100*	74 700	114 700*	97 500	129 200*	70.0
74.0	38.7	59.2	44 700	91 800*	66 200	105 600*	87 800	119 300*	74.0
78.0	34.4	53.7	38 300	84 400*	58 600	97 400*	79 000	110 200*	78.0
82.0	29.5	47.0	32 400	77 500*	51 700	90 000*	71 000	96 500*	82.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81
 208 060 kg Crane Counterweight
 90 720 kg Carbody Counterweight
 0 kg Thru 511 330 kg Hanging Counterweight
 at 18m Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



97.5m (320 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
15.2	82.9	99.8	339 900*	224 200	430 300*	349 600	494 700*			15.2
16.0	82.4	99.7	323 000*	208 300	409 500*	326 900	471 100*			16.0
18.0	81.2	99.4	282 300*	171 200	359 700*	273 700	414 600*	377 100	469 100*	18.0
20.0	80.0	99.0	248 300*	143 600	320 400*	234 000	370 000*	324 600	419 500*	20.0
22.0	78.8	98.6	220 300*	121 700	287 900*	202 600	333 100*	283 700	378 300*	22.0
24.0	77.6	98.2	197 200*	103 900	260 700*	177 100	302 200*	250 500	343 800*	24.0
26.0	76.4	97.7	177 700*	89 200	237 500*	156 100	276 000*	223 100	314 400*	26.0
28.0	75.2	97.1	161 100*	76 800	217 500*	138 300	253 300*	200 000	289 100*	28.0
30.0	74.0	96.6	146 700*	66 200	200 100*	123 200	233 600*	180 200	267 100*	30.0
32.0	72.7	95.9	134 100*	57 100	184 300*	110 200	216 300*	163 200	247 700*	32.0
34.0	71.5	95.3	123 100*	49 100	170 200*	98 700	201 000*	148 400	230 600*	34.0
36.0	70.3	94.5	113 300*	42 100	157 800*	88 700	187 300*	135 400	215 300*	36.0
38.0	69.0	93.8	104 500*	35 900	146 600*	79 800	175 100*	123 800	201 600*	38.0
40.0	67.7	92.9	96 600*	30 300	136 600*	71 900	164 100*	113 400	189 300*	40.0
42.0	66.4	92.0	89 500*	25 300	127 600*	64 700	154 000*	104 200	178 100*	42.0
44.0	65.1	91.1	83 100*	20 800	119 300*	58 200	144 900*	95 800	167 900*	44.0
46.0	63.8	90.1	77 200*	16 700	111 800*	52 400	136 500*	88 100	158 500*	46.0
48.0	62.5	89.1	71 800*	12 900	104 900*	47 000	128 600*	81 200	149 900*	48.0
50.0	61.2	88.0	66 800*	9 500	98 600*	42 100	121 300*	74 800	142 000*	50.0
52.0	59.8	86.8	62 200*	6 300	92 800*	37 600	114 600*	68 900	134 700*	52.0
54.0	58.4	85.6	58 000*	3 400	87 400*	33 400	108 300*	63 500	127 900*	54.0
56.0	57.0	84.3	54 000*		82 400*	29 600	102 600*	58 500	121 600*	56.0
58.0	55.6	82.9	49 900*		77 700*	26 000	97 200*	53 900	115 700*	58.0
60.0	54.1	81.4	45 800*		73 300*	22 600	92 100*	49 500	110 200*	60.0
62.0	52.7	79.9	41 900*		69 300*	19 500	87 400*	45 400	105 000*	62.0
64.0	51.1	78.3	38 300*		65 400*	16 500	83 100*	41 600	100 200*	64.0
66.0	49.6	76.6	34 900*		61 800*	13 800	78 900*	38 100	95 600*	66.0
68.0	48.0	74.8	31 700*		58 400*	11 200	75 000*	34 700	91 300*	68.0
70.0	46.4	72.9	28 700*		55 200*	8 700	71 300*	31 600	87 200*	70.0
74.0	43.0	68.7	23 100*		49 300*	4 200	64 600*	25 700	79 800*	74.0
78.0	39.4	64.0			44 000*		58 500*	20 500	72 900*	78.0
82.0	35.4	58.6			39 200*		52 900*	15 800	66 700*	82.0
86.0	31.1	52.3			34 800*		47 900*	11 400	61 000*	86.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

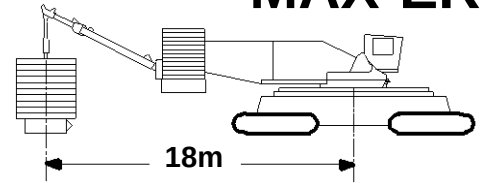
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

 0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**


97.5m (320 Ft.) Boom

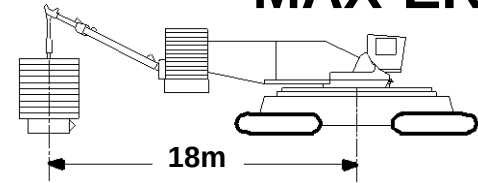
Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
15.2	82.9	99.8							15.2
16.0	82.4	99.7							16.0
18.0	81.2	99.4							18.0
20.0	80.0	99.0							20.0
22.0	78.8	98.6							22.0
24.0	77.6	98.2							24.0
26.0	76.4	97.7	290 100	352 900*					26.0
28.0	75.2	97.1	261 600	324 900*					28.0
30.0	74.0	96.6	237 300	300 500*					30.0
32.0	72.7	95.9	216 400	279 100*					32.0
34.0	71.5	95.3	198 100	260 200*					34.0
36.0	70.3	94.5	182 000	243 300*	229 000	271 400*			36.0
38.0	69.0	93.8	167 800	228 200*	211 800	254 700*			38.0
40.0	67.7	92.9	155 100	214 500*	196 800	239 700*			40.0
42.0	66.4	92.0	143 600	202 100*	183 200	226 200*			42.0
44.0	65.1	91.1	133 300	190 800*	170 900	213 800*			44.0
46.0	63.8	90.1	123 900	180 500*	159 700	202 500*			46.0
48.0	62.5	89.1	115 400	171 000*	149 600	192 100*			48.0
50.0	61.2	88.0	107 500	162 300*	140 300	182 500*			50.0
52.0	59.8	86.8	100 300	154 200*	131 700	173 700*	163 200	193 200*	52.0
54.0	58.4	85.6	93 700	146 700*	123 800	165 500*	154 000	184 300*	54.0
56.0	57.0	84.3	87 500	139 700*	116 500	157 800*	145 600	176 000*	56.0
58.0	55.6	82.9	81 800	133 200*	109 700	150 700*	137 700	168 200*	58.0
60.0	54.1	81.4	76 500	127 100*	103 400	144 000*	130 400	161 000*	60.0
62.0	52.7	79.9	71 500	121 400*	97 500	137 800*	123 600	154 200*	62.0
64.0	51.1	78.3	66 800	116 000*	92 000	131 900*	117 200	147 800*	64.0
66.0	49.6	76.6	62 400	111 000*	86 800	126 400*	111 200	141 800*	66.0
68.0	48.0	74.8	58 300	106 200*	81 900	121 200*	105 600	136 200*	68.0
70.0	46.4	72.9	54 400	101 800*	77 300	116 300*	100 200	130 800*	70.0
74.0	43.0	68.7	47 300	93 500*	68 900	107 300*	90 500	121 000*	74.0
78.0	39.4	64.0	40 900	86 000*	61 300	99 100*	81 700	112 100*	78.0
82.0	35.4	58.6	35 100	79 300*	54 400	91 700*	73 800	104 100*	82.0
86.0	31.1	52.3	29 800	73 100*	48 200	84 900*	66 600	93 600*	86.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81
 208 060 kg Crane Counterweight
 90 720 kg Carbody Counterweight
 0 kg Thru 511 330 kg Hanging Counterweight
 at 18m Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



103.6m (340 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
16.8	82.4	105.7	303 900*	191 500	386 500*	303 800	439 100*			16.8
18.0	81.7	105.6	280 800*	170 600	358 100*	273 700	411 900*			18.0
20.0	80.6	105.2	246 300*	142 100	318 200*	233 000	367 800*	323 900	418 500*	20.0
22.0	79.5	104.8	218 300*	119 900	285 700*	201 200	330 900*	282 600	376 100*	22.0
24.0	78.4	104.4	195 200*	102 000	258 400*	175 500	300 000*	249 100	341 500*	24.0
26.0	77.2	104.0	175 700*	87 100	235 300*	154 300	273 700*	221 400	312 200*	26.0
28.0	76.1	103.5	159 000*	74 600	215 300*	136 400	251 100*	198 200	286 900*	28.0
30.0	74.9	102.9	144 600*	64 000	197 900*	121 100	231 400*	178 300	264 800*	30.0
32.0	73.8	102.3	132 000*	54 800	182 200*	108 000	214 100*	161 200	245 500*	32.0
34.0	72.6	101.7	121 000*	46 700	168 100*	96 500	198 800*	146 300	228 400*	34.0
36.0	71.5	101.0	111 200*	39 700	155 600*	86 400	185 100*	133 100	213 100*	36.0
38.0	70.3	100.3	102 400*	33 400	144 400*	77 400	172 800*	121 500	199 400*	38.0
40.0	69.1	99.5	94 500*	27 800	134 400*	69 400	161 800*	111 100	187 000*	40.0
42.0	67.9	98.7	87 400*	22 700	125 400*	62 200	151 700*	101 800	175 800*	42.0
44.0	66.7	97.8	80 900*	18 200	117 100*	55 700	142 600*	93 300	165 600*	44.0
46.0	65.5	96.9	75 000*	14 000	109 700*	49 800	134 300*	85 600	156 300*	46.0
48.0	64.3	95.9	69 600*	10 300	102 700*	44 500	126 400*	78 700	147 700*	48.0
50.0	63.0	94.9	64 600*	6 800	96 500*	39 500	119 100*	72 300	139 800*	50.0
52.0	61.8	93.8	60 000*	3 600	90 600*	35 000	112 400*	66 400	132 400*	52.0
54.0	60.5	92.7	55 700*		85 200*	30 800	106 100*	60 900	125 600*	54.0
56.0	59.2	91.5	51 500*		80 200*	26 900	100 400*	55 900	119 300*	56.0
58.0	57.9	90.2	47 100*		75 500*	23 300	95 000*	51 200	113 400*	58.0
60.0	56.6	88.9	43 000*		71 100*	19 900	90 000*	46 900	107 900*	60.0
62.0	55.2	87.5	39 100*		67 000*	16 800	85 300*	42 800	102 800*	62.0
64.0	53.8	86.0	35 500*		63 200*	13 800	80 900*	39 000	97 900*	64.0
66.0	52.4	84.5	32 100*		59 600*	11 100	76 700*	35 400	93 300*	66.0
68.0	51.0	82.9	28 900*		56 200*	8 500	72 800*	32 100	89 000*	68.0
70.0	49.6	81.2	25 900*		53 000*	6 000	69 100*	28 900	85 000*	70.0
74.0	46.6	77.5	20 400*		47 200*	1 500	62 400*	23 100	77 500*	74.0
78.0	43.4	73.4			41 800*		56 300*	17 800	70 700*	78.0
82.0	40.0	68.8			37 000*		50 800*	13 100	64 500*	82.0
86.0	36.4	63.5			32 500*		45 700*	8 800	58 800*	86.0
90.0	32.4	57.5			27 400*		41 100*	4 800	53 600*	90.0
94.0	27.9	50.4			22 800*		36 900*	1 100	48 900*	94.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

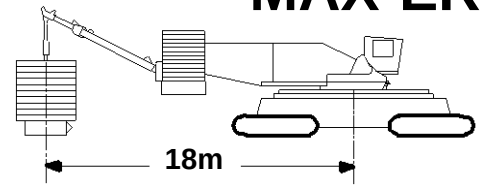
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

 0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**


103.6m (340 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
16.8	82.4	105.7							16.8
18.0	81.7	105.6							18.0
20.0	80.6	105.2							20.0
22.0	79.5	104.8							22.0
24.0	78.4	104.4							24.0
26.0	77.2	104.0	288 700	350 600*					26.0
28.0	76.1	103.5	260 100	322 600*					28.0
30.0	74.9	102.9	235 600	298 200*					30.0
32.0	73.8	102.3	214 500	276 900*					32.0
34.0	72.6	101.7	196 100	257 900*					34.0
36.0	71.5	101.0	180 000	241 100*	227 000	269 200*			36.0
38.0	70.3	100.3	165 600	225 900*	209 800	252 500*			38.0
40.0	69.1	99.5	152 800	212 300*	194 600	237 500*			40.0
42.0	67.9	98.7	141 300	199 900*	180 900	223 900*			42.0
44.0	66.7	97.8	131 000	188 600*	168 600	211 600*			44.0
46.0	65.5	96.9	121 500	178 300*	157 400	200 200*			46.0
48.0	64.3	95.9	113 000	168 800*	147 200	189 900*			48.0
50.0	63.0	94.9	105 100	160 000*	137 900	180 300*			50.0
52.0	61.8	93.8	97 800	151 900*	129 300	171 400*	160 800	190 900*	52.0
54.0	60.5	92.7	91 100	144 400*	121 400	163 200*	151 600	182 000*	54.0
56.0	59.2	91.5	85 000	137 500*	114 000	155 600*	143 200	173 700*	56.0
58.0	57.9	90.2	79 200	130 900*	107 300	148 400*	135 300	166 000*	58.0
60.0	56.6	88.9	73 900	124 900*	100 900	141 800*	127 900	158 700*	60.0
62.0	55.2	87.5	68 900	119 100*	95 000	135 500*	121 100	151 900*	62.0
64.0	53.8	86.0	64 200	113 800*	89 400	129 700*	114 700	145 600*	64.0
66.0	52.4	84.5	59 800	108 800*	84 300	124 100*	108 700	139 600*	66.0
68.0	51.0	82.9	55 700	104 000*	79 400	119 000*	103 000	133 900*	68.0
70.0	49.6	81.2	51 800	99 500*	74 800	114 100*	97 700	128 600*	70.0
74.0	46.6	77.5	44 700	91 300*	66 300	105 000*	88 000	118 800*	74.0
78.0	43.4	73.4	38 300	83 800*	58 700	96 800*	79 200	109 900*	78.0
82.0	40.0	68.8	32 500	77 000*	51 900	89 500*	71 300	101 900*	82.0
86.0	36.4	63.5	27 200	70 900*	45 700	82 800*	64 100	94 600*	86.0
90.0	32.4	57.5	22 400	65 200*	39 900	76 600*	57 600	85 400*	90.0
94.0	27.9	50.4	17 900	60 100*	34 700	70 300*	51 500	74 800*	94.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

208 060 kg Crane Counterweight

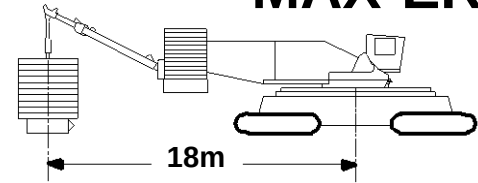
90 720 kg Carbody Counterweight

0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



109.7m (360 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	0 kg Hanging Counterweight	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
16.8	82.9	111.9	302 400*	191 700	384 900*	304 800	386 300*			16.8
18.0	82.2	111.7	279 300*	170 400	356 400*	274 300	386 300*			18.0
20.0	81.1	111.4	244 800*	141 500	316 600*	233 000	367 100*	324 900	386 300*	20.0
22.0	80.1	111.0	216 800*	119 000	284 000*	200 800	329 200*	282 700	374 400*	22.0
24.0	79.0	110.7	193 600*	100 900	256 800*	174 800	298 400*	248 800	340 000*	24.0
26.0	78.0	110.2	174 100*	85 900	233 600*	153 400	272 100*	220 900	310 500*	26.0
28.0	76.9	109.7	157 400*	73 200	213 600*	135 300	249 400*	197 400	285 200*	28.0
30.0	75.8	109.2	143 000*	62 500	196 300*	119 900	229 700*	177 300	263 200*	30.0
32.0	74.7	108.7	130 500*	53 200	180 600*	106 600	212 400*	160 100	243 800*	32.0
34.0	73.6	108.1	119 400*	45 100	166 600*	95 100	197 100*	145 000	226 700*	34.0
36.0	72.5	107.4	109 600*	38 000	154 100*	84 900	183 400*	131 800	211 400*	36.0
38.0	71.4	106.8	100 800*	31 600	142 900*	75 800	171 200*	120 100	197 700*	38.0
40.0	70.3	106.0	92 900*	26 000	132 900*	67 800	160 100*	109 600	185 400*	40.0
42.0	69.2	105.3	85 800*	20 900	123 800*	60 600	150 100*	100 200	174 200*	42.0
44.0	68.1	104.5	79 300*	16 300	115 600*	54 000	141 000*	91 700	163 900*	44.0
46.0	66.9	103.6	73 400*	12 200	108 100*	48 100	132 600*	84 100	154 600*	46.0
48.0	65.8	102.7	68 000*	8 300	101 200*	42 700	124 800*	77 000	146 000*	48.0
50.0	64.6	101.7	63 000*	4 900	94 900*	37 700	117 500*	70 600	138 100*	50.0
52.0	63.5	100.7	58 400*		89 000*	33 200	110 800*	64 700	130 800*	52.0
54.0	62.3	99.7	54 100*		83 600*	28 900	104 600*	59 200	124 000*	54.0
56.0	61.1	98.6	49 600*		78 600*	25 000	98 800*	54 100	117 700*	56.0
58.0	59.9	97.4	45 100*		73 900*	21 400	93 400*	49 500	111 800*	58.0
60.0	58.7	96.2	41 000*		69 600*	18 000	88 400*	45 100	106 300*	60.0
62.0	57.4	94.9	37 200*		65 500*	14 900	83 700*	41 000	101 100*	62.0
64.0	56.2	93.6	33 500*		61 700*	11 900	79 300*	37 200	96 300*	64.0
66.0	54.9	92.1	30 200*		58 000*	9 200	75 200*	33 600	91 800*	66.0
68.0	53.6	90.7	27 000*		54 700*	6 600	71 300*	30 200	87 400*	68.0
70.0	52.3	89.1	23 900*		51 500*	4 100	67 600*	27 100	83 400*	70.0
74.0	49.5	85.8	18 400*		45 600*		60 800*	21 200	75 900*	74.0
78.0	46.7	82.1			40 300*		54 800*	16 000	69 200*	78.0
82.0	43.7	78.0			35 500*		49 200*	11 300	63 000*	82.0
86.0	40.6	73.5			30 600*		44 200*	7 000	57 300*	86.0
90.0	37.2	68.4			25 600*		39 600*	3 000	52 100*	90.0
94.0	33.5	62.6			21 000*		35 500*		47 400*	94.0
98.0	29.4	55.9					31 500*		43 000*	98.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

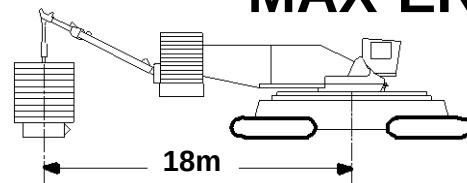
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

 0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**


109.7m (360 Ft.) Boom

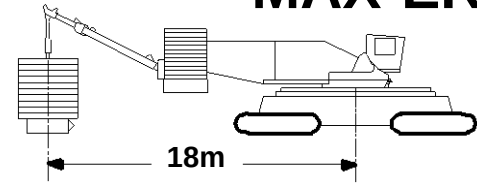
Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
16.8	82.9	111.9							16.8
18.0	82.2	111.7							18.0
20.0	81.1	111.4							20.0
22.0	80.1	111.0							22.0
24.0	79.0	110.7							24.0
26.0	78.0	110.2	288 500	349 000*					26.0
28.0	76.9	109.7	259 500	321 000*					28.0
30.0	75.8	109.2	234 900	296 600*					30.0
32.0	74.7	108.7	213 600	275 200*					32.0
34.0	73.6	108.1	195 100	256 300*					34.0
36.0	72.5	107.4	178 800	239 400*					36.0
38.0	71.4	106.8	164 400	224 300*	208 800	250 800*			38.0
40.0	70.3	106.0	151 500	210 600*	193 400	235 800*			40.0
42.0	69.2	105.3	139 900	198 200*	179 700	222 300*			42.0
44.0	68.1	104.5	129 500	186 900*	167 300	209 900*			44.0
46.0	66.9	103.6	120 000	176 600*	156 100	198 600*			46.0
48.0	65.8	102.7	111 400	167 100*	145 800	188 200*			48.0
50.0	64.6	101.7	103 500	158 400*	136 400	178 600*			50.0
52.0	63.5	100.7	96 200	150 300*	127 800	169 800*	159 400	189 300*	52.0
54.0	62.3	99.7	89 500	142 800*	119 800	161 600*	150 200	180 400*	54.0
56.0	61.1	98.6	83 300	135 800*	112 400	153 900*	141 600	172 100*	56.0
58.0	59.9	97.4	77 500	129 300*	105 600	146 800*	133 700	164 300*	58.0
60.0	58.7	96.2	72 100	123 200*	99 300	140 100*	126 400	157 100*	60.0
62.0	57.4	94.9	67 200	117 500*	93 300	133 900*	119 500	150 300*	62.0
64.0	56.2	93.6	62 500	112 200*	87 700	128 100*	113 100	143 900*	64.0
66.0	54.9	92.1	58 000	107 200*	82 500	122 600*	107 100	138 000*	66.0
68.0	53.6	90.7	53 900	102 400*	77 600	117 400*	101 400	132 300*	68.0
70.0	52.3	89.1	50 000	97 900*	73 000	112 500*	96 100	127 000*	70.0
74.0	49.5	85.8	42 900	89 700*	64 600	103 400*	86 300	117 200*	74.0
78.0	46.7	82.1	36 500	82 200*	57 000	95 300*	77 500	108 300*	78.0
82.0	43.7	78.0	30 700	75 500*	50 200	87 900*	69 600	100 300*	82.0
86.0	40.6	73.5	25 400	69 300*	44 000	81 200*	62 500	93 100*	86.0
90.0	37.2	68.4	20 600	63 700*	38 300	75 100*	55 900	86 400*	90.0
94.0	33.5	62.6	16 200	58 600*	33 000	69 400*	49 900	78 600*	94.0
98.0	29.4	55.9	12 100	53 800*	28 200	64 100*	44 300	68 800*	98.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81
 208 060 kg Crane Counterweight
 90 720 kg Carbody Counterweight
 0 kg Thru 511 330 kg Hanging Counterweight
 at 18m Position
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets
ANSI B30.5
Requirements

**21000
MAX-ER**



115.8m (380 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	112 170 kg Hanging Counterweight		192 010 kg Hanging Counterweight		271 840 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
18.3	82.5	117.8	164 800	341 500*	267 500	341 500			18.3
20.0	81.6	117.6	140 500	314 700*	232 700	341 100			20.0
22.0	80.6	117.2	117 700	281 800*	200 000	330 300	283 100	341 500*	22.0
24.0	79.6	116.9	99 200	254 500*	173 600	296 100	248 100	334 200*	24.0
26.0	78.6	116.5	84 000	231 400*	151 900	269 800	219 800	308 300*	26.0
28.0	77.6	116.0	71 200	211 400*	133 600	247 200	196 000	282 900*	28.0
30.0	76.6	115.5	60 300	194 000*	118 000	227 500	175 800	260 900*	30.0
32.0	75.5	115.0	50 900	178 500*	104 600	210 200	158 300	241 600*	32.0
34.0	74.5	114.4	42 700	164 400*	92 900	194 800	143 100	224 400*	34.0
36.0	73.5	113.8	35 500	151 900*	82 600	181 200	129 800	209 100*	36.0
38.0	72.4	113.2	29 100	140 700*	73 500	168 900	118 000	195 500*	38.0
40.0	71.4	112.5	23 500	130 700*	65 400	157 800	107 400	183 100*	40.0
42.0	70.3	111.8	18 300	121 600*	58 100	147 800	98 000	171 900*	42.0
44.0	69.3	111.0	13 700	113 400*	51 500	138 700	89 400	161 700*	44.0
46.0	68.2	110.2	9 500	105 800*	45 600	130 300	81 600	152 300*	46.0
48.0	67.1	109.4	5 700	99 000*	40 100	122 600	74 600	143 700*	48.0
50.0	66.1	108.5	2 200	92 600*	35 100	115 300	68 100	135 800*	50.0
52.0	65.0	107.6		86 800*	30 500	108 600	62 200	128 500*	52.0
54.0	63.9	106.6		81 400*	26 300	102 400	56 700	121 700*	54.0
56.0	62.8	105.5		76 400*	22 400	96 600	51 600	115 400*	56.0
58.0	61.6	104.4		71 700*	18 700	91 200	46 800	109 500*	58.0
60.0	60.5	103.3		67 300*	15 300	86 200	42 500	104 000*	60.0
62.0	59.3	102.1		63 300*	12 200	81 500	38 400	98 900*	62.0
64.0	58.2	100.9		59 400*	9 200	77 100	34 500	94 000*	64.0
66.0	57.0	99.6		55 800*	6 400	72 900	30 900	89 500*	66.0
68.0	55.8	98.2		52 400*	3 800	69 000	27 600	85 200*	68.0
70.0	54.6	96.8		49 200*	1 300	65 400	24 400	81 100*	70.0
74.0	52.1	93.7		43 400*		58 600	18 500	73 600*	74.0
78.0	49.5	90.4		38 100*		52 500	13 300	66 900*	78.0
82.0	46.8	86.7		33 100*		47 000	8 500	60 800*	82.0
86.0	44.0	82.7		27 800*		42 000	4 200	55 100*	86.0
90.0	41.0	78.2		22 800*		37 500		50 000*	90.0
94.0	37.9	73.2		18 300*		33 300		45 200*	94.0
98.0	34.5	67.6				29 400		40 900*	98.0
102.0	30.7	61.2				25 600		36 800*	102.0

Liftcrane Boom Capacities

Boom No. 80 with 42.7m Mast No. 81

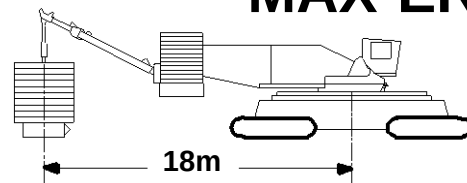
208 060 kg Crane Counterweight

90 720 kg Carbody Counterweight

 0 kg Thru 511 330 kg Hanging Counterweight
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

 Meets
ANSI B30.5
Requirements

**21000
MAX-ER**


115.8m (380 Ft.) Boom

Oper. Rad. m	Boom Ang. Deg.	Boom Point Elev. m	351 670 kg Hanging Counterweight		431 500 kg Hanging Counterweight		511 330 kg Hanging Counterweight		Oper. Rad. m
			Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	Minimum Boom Capacity To Swing and Travel Kilograms	Boom Capacity Kilograms	
18.3	82.5	117.8							18.3
20.0	81.6	117.6							20.0
22.0	80.6	117.2							22.0
24.0	79.6	116.9							24.0
26.0	78.6	116.5	287 900	340 600*					26.0
28.0	77.6	116.0	258 500	319 500*					28.0
30.0	76.6	115.5	233 600	294 300*					30.0
32.0	75.5	115.0	212 100	273 000*					32.0
34.0	74.5	114.4	193 400	254 000*					34.0
36.0	73.5	113.8	177 000	237 100*					36.0
38.0	72.4	113.2	162 500	222 000*	207 000	248 600*			38.0
40.0	71.4	112.5	149 500	208 300*	191 600	233 600*			40.0
42.0	70.3	111.8	137 800	195 900*	177 700	220 000*			42.0
44.0	69.3	111.0	127 300	184 700*	165 300	207 600*			44.0
46.0	68.2	110.2	117 800	174 300*	153 900	196 300*			46.0
48.0	67.1	109.4	109 100	164 800*	143 600	185 900*			48.0
50.0	66.1	108.5	101 100	156 100*	134 200	176 400*			50.0
52.0	65.0	107.6	93 800	148 000*	125 500	167 500*	157 200	187 000*	52.0
54.0	63.9	106.6	87 000	140 500*	117 500	159 300*	147 900	178 100*	54.0
56.0	62.8	105.5	80 800	133 500*	110 100	151 700*	139 300	169 800*	56.0
58.0	61.6	104.4	75 000	127 000*	103 200	144 500*	131 400	162 100*	58.0
60.0	60.5	103.3	69 600	120 900*	96 800	137 900*	124 000	154 800*	60.0
62.0	59.3	102.1	64 600	115 300*	90 800	131 600*	117 100	148 000*	62.0
64.0	58.2	100.9	59 900	109 900*	85 200	125 800*	110 700	141 700*	64.0
66.0	57.0	99.6	55 500	104 800*	80 000	120 200*	104 600	135 700*	66.0
68.0	55.8	98.2	51 300	100 100*	75 100	115 100*	98 900	130 000*	68.0
70.0	54.6	96.8	47 400	95 700*	70 500	110 200*	93 600	124 700*	70.0
74.0	52.1	93.7	40 200	87 400*	62 000	101 100*	83 800	114 900*	74.0
78.0	49.5	90.4	33 800	80 000*	54 400	93 000*	75 000	106 100*	78.0
82.0	46.8	86.7	28 000	73 200*	47 500	85 700*	67 000	98 100*	82.0
86.0	44.0	82.7	22 800	67 100*	41 300	79 000*	59 900	90 800*	86.0
90.0	41.0	78.2	18 000	61 500*	35 600	72 900*	53 300	84 200*	90.0
94.0	37.9	73.2	13 500	56 300*	30 400	67 200*	47 300	78 100*	94.0
98.0	34.5	67.6	9 500	51 600*	25 600	62 000*	41 800	71 000*	98.0
102.0	30.7	61.2	5 700	47 200*	21 200	57 200*	36 600	62 000*	102.0