

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

PCSA Class 12-1080
Refer to notes page 11

Boom — Tube; 80" (2.03 m) wide, 68" (1.73m) deep with open throat top section.

Jib — Tube; 32" (.81 m) wide, 24" (.61m) deep.

Mounting — crawler:
overall length: 28' 6" (8.69 m)
gauge: 18' 10" (5.74 m)

Counterweights — Refer to chart below.

Counterweights					
"A"		"AB"		"ABC"	
Pounds	Kilograms	Pounds	kilograms	Pounds	Kilograms
22,730	10 310	67,470	30 604	96,430	43 741

Open throat boom or boom + jib machine can **lift off** ground unassisted, without load.

Counterweight		Over End Only			
		Boom		Boom + jib	
		Feet	meters	Feet	meters
Cwt. "A"	Maximum	190	57.91	n/a	n/a
Cwt. "AB"	Maximum	250	76.20	n/a	n/a
Cwt. "ABC"	Maximum	280	85.34	240 + 100	73.15 + 30.48

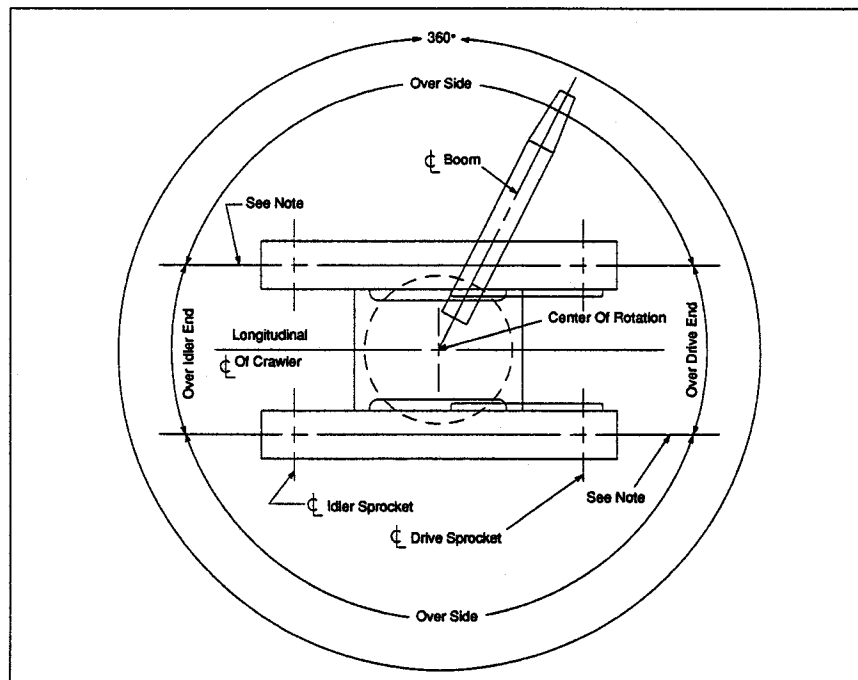
Notes:

1. Booms must be erected or lowered over the end with no load.
2. Crane on firm and level surface.
3. Booms 250 ft. (76.20 m) and longer require midpoint suspension pendants.

Working Areas

1. These lines determine the limiting position of any load for operation within working areas indicated.

Caution: This material is for reference only. Operator must refer to in-cab capacity plate to determine allowable machine lifting capacities and operating procedures.



Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
35' ① (10.67 m)	10	3.05	82.0	400,000	181,440	400,000	181,440				
	15	4.57	73.5	315,000	142,884	315,000	142,884				
	20	6.10	63.8	239,100	108,456	239,100	108,456				
	30	9.14	40.1	140,100	63,549	140,100	63,549				
50' (15.24 m)	12	3.66	80.0	350,000	158,760	350,000	158,760	350,000	158,760	319,600	144,971
	13	3.96	78.8	345,000	156,492	345,000	156,492	336,800	152,772	297,000	134,719
	14	4.27	77.6	337,100	152,909	337,100	152,909	314,500	142,657	277,300	125,783
	15	4.57	76.4	316,200	143,428	316,200	143,428	295,000	133,812	260,000	117,936
	16	4.88	75.3	297,700	135,037	297,700	135,037	277,700	125,965	244,700	110,996
	17	5.18	74.1	281,200	127,552	281,200	127,552	262,300	118,979	231,000	104,782
	18	5.49	72.9	266,400	120,839	266,400	120,839	248,400	112,674	202,700	91,945
	19	5.79	71.7	253,000	114,761	253,000	114,761	235,900	107,004	180,200	81,739
	20	6.10	70.5	240,900	109,272	240,900	109,272	224,600	101,879	162,100	73,529
	25	7.62	64.3	195,100	88,497	195,100	88,497	166,500	75,524	107,100	48,581
	30	9.14	57.7	151,900	68,902	154,800	70,217	124,000	56,246	79,300	35,970
60' (18.29 m)	12	3.66	81.6	308,300	139,845	308,300	139,845	308,300	139,845	308,300	139,845
	13	3.96	80.7	302,300	137,123	302,300	137,123	302,300	137,123	296,500	134,492
	14	4.27	79.7	296,500	134,492	296,500	134,492	296,500	134,492	277,000	125,647
	15	4.57	78.7	289,500	131,317	289,500	131,317	289,500	131,317	259,800	117,845
	16	4.88	77.8	284,200	128,913	284,200	128,913	277,400	125,829	244,500	110,905
	17	5.18	76.8	279,200	126,645	279,200	126,645	262,100	118,889	230,900	104,736
	18	5.49	75.8	266,200	120,748	266,200	120,748	248,300	112,629	203,900	92,489
	19	5.79	74.8	252,900	114,715	252,900	114,715	235,800	106,959	181,300	82,238
	20	6.10	73.8	240,800	109,227	240,800	109,227	224,500	101,833	163,100	73,982
	25	7.62	68.8	188,100	85,322	188,100	85,322	167,300	75,887	107,900	48,943
	30	9.14	63.6	150,500	68,267	150,500	68,267	124,600	56,519	79,900	36,243
70' (21.34 m)	14	4.27	81.2	281,800	127,824	281,800	127,824	281,800	127,824	277,400	125,829
	15	4.57	80.4	277,100	125,693	277,100	125,693	277,100	125,693	260,200	118,027
	16	4.88	79.5	272,500	123,606	272,500	123,606	272,500	123,606	245,000	111,132
	17	5.18	78.7	268,100	121,610	268,100	121,610	262,500	119,070	231,500	105,008
	18	5.49	77.9	262,400	119,025	262,400	119,025	248,700	112,810	206,400	93,623
	19	5.79	77.0	253,300	114,897	253,300	114,897	236,300	107,186	183,600	83,281
	20	6.10	76.2	241,300	109,454	241,300	109,454	225,000	102,060	165,200	74,935
	25	7.62	71.9	194,600	88,271	194,600	88,271	168,700	76,522	109,300	49,578
	30	9.14	67.6	153,700	69,718	162,700	73,801	125,700	57,018	81,000	36,742
	35	10.67	63.1	122,200	55,430	137,100	62,189	99,800	45,269	63,900	28,985
	40	12.19	58.4	101,100	45,859	117,600	53,343	82,400	37,377	52,400	23,769
80' (24.38 m)	15	4.57	81.6	257,700	116,893	257,700	116,893	257,700	116,893	257,700	116,893
	16	4.88	80.9	253,600	115,033	253,600	115,033	253,600	115,033	244,500	110,905
	17	5.18	80.1	249,600	113,219	249,600	113,219	249,600	113,219	231,000	104,782
	18	5.49	79.4	245,700	111,450	245,700	111,450	245,700	111,450	207,000	93,895
	19	5.79	78.7	241,900	109,726	241,900	109,726	235,800	106,959	184,100	83,508
	20	6.10	77.9	238,400	108,138	238,400	108,138	224,600	101,879	165,600	75,116
	25	7.62	74.2	194,300	88,134	194,300	88,134	169,000	76,658	109,800	49,715
	30	9.14	70.5	153,800	69,764	162,400	73,665	125,900	57,108	81,200	36,832
	35	10.67	66.6	122,300	55,475	135,700	61,554	99,900	45,315	64,000	29,030
	40	12.19	62.7	101,200	45,904	116,600	52,890	82,500	37,422	52,500	23,814
	50	15.24	54.3	74,600	33,839	88,600	40,189	60,600	27,488	38,100	17,282
60	18.29	44.8	58,600	26,581	70,900	32,160	47,400	21,501	29,300	13,290	
70	21.34	33.5	47,800	21,682	57,600	26,127	38,500	17,464	23,400	10,614	
80	24.38	16.5	40,000	18,144	48,100	21,818	32,000	14,515	19,100	8,664	

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

① Requires hammerhead tip.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
90' (27.43 m)	16	4.88	81.9	238,500	108,184	238,500	108,184	238,500	108,184	238,500	108,184
	17	5.18	81.2	233,400	105,870	233,400	105,870	233,400	105,870	233,400	104,509
	18	5.49	80.6	230,000	104,328	230,000	104,328	230,000	104,328	207,500	94,122
	19	5.79	79.9	226,600	102,786	226,600	102,786	226,600	102,786	184,500	83,689
	20	6.10	79.3	223,400	101,334	223,400	101,334	223,400	101,334	165,900	75,252
	25	7.62	76.0	193,900	87,953	193,900	87,953	169,200	76,749	109,800	49,805
	30	9.14	72.7	154,000	69,854	160,800	72,939	126,000	57,154	81,300	36,878
	35	10.67	69.4	122,400	55,521	134,400	60,964	100,000	45,360	64,100	29,076
	40	12.19	65.9	101,200	45,904	115,500	52,391	82,500	37,422	52,600	23,859
	50	15.24	58.7	74,600	33,839	83,500	40,144	60,600	27,488	38,100	17,282
	60	18.29	50.9	58,600	26,581	70,900	32,160	47,400	21,501	29,300	13,290
	70	21.34	42.2	47,900	21,727	57,600	26,127	38,500	17,464	23,500	10,660
80	24.38	31.5	40,100	18,189	48,200	21,864	32,100	14,561	19,200	8,709	
90	27.43	15.5	34,200	15,513	41,100	18,643	27,200	12,338	15,900	7,212	
100' (30.48 m)	18	5.49	81.5	216,700	98,295	216,700	98,295	216,700	98,295	207,900	94,303
	19	5.79	81.0	213,700	96,934	213,700	96,934	213,700	96,934	184,800	83,825
	20	6.10	80.4	210,800	95,619	210,800	95,619	210,800	95,619	166,200	75,388
	25	7.62	77.5	193,500	87,772	193,500	87,772	169,300	76,794	109,900	49,851
	30	9.14	74.5	154,000	69,854	169,400	72,304	126,100	57,199	81,300	36,878
	35	10.67	71.5	122,400	55,521	133,200	60,420	100,000	45,360	64,100	29,076
	40	12.19	68.5	101,200	45,904	114,500	51,937	82,500	37,422	52,500	23,814
	50	15.24	62.1	74,600	33,839	88,400	40,098	60,500	27,443	38,000	17,237
	60	18.29	55.4	58,600	26,581	70,500	31,979	47,300	21,455	29,300	13,290
	70	21.34	48.1	47,800	21,682	57,600	26,127	38,400	17,418	23,400	10,614
	80	24.38	39.9	40,100	18,189	48,200	21,864	32,100	14,561	19,200	8,709
90	27.43	29.9	34,300	15,558	41,200	18,688	27,200	12,338	15,900	7,212	
100	30.48	14.7	29,700	13,472	35,600	16,148	23,400	10,614	13,400	6,078	
110' (33.53 m)	19	5.79	81.8	200,000	90,720	200,000	90,720	200,000	90,720	185,000	83,916
	20	6.10	81.3	197,500	89,586	197,500	89,586	197,500	89,586	166,400	75,479
	25	7.62	78.6	185,400	84,097	185,400	84,097	169,400	76,840	109,900	49,851
	30	9.14	75.9	154,000	69,854	158,100	71,714	126,100	57,199	81,300	36,878
	35	10.67	73.2	122,300	55,475	132,100	59,921	99,900	45,315	64,100	29,076
	40	12.19	70.5	101,100	45,859	113,500	51,484	82,400	37,377	52,500	23,814
	50	15.24	64.9	74,500	33,793	87,700	39,781	60,500	27,443	37,900	17,191
	60	18.29	59.0	58,400	26,490	69,900	31,707	47,200	21,410	29,200	13,245
	70	21.34	52.7	47,700	21,637	57,500	26,082	38,300	17,373	23,300	10,569
	80	24.38	45.8	40,000	18,144	48,100	21,818	32,000	14,515	19,100	8,664
	90	27.43	38.0	34,200	15,513	41,100	18,643	27,200	12,338	15,900	7,212
100	30.48	28.4	29,700	13,472	35,600	16,148	23,400	10,614	13,300	6,033	
110	33.53	14.0	25,900	11,748	31,000	14,062	20,300	9,208	11,300	5,126	
120' (36.58 m)	20	6.10	82.0	186,200	84,460	186,200	84,460	186,200	84,460	166,600	75,570
	25	7.62	79.6	173,900	78,881	173,900	78,881	169,400	76,840	110,000	49,896
	30	9.14	77.1	154,000	69,854	156,900	71,170	126,100	57,199	81,300	36,878
	35	10.67	74.7	122,300	55,475	131,100	59,467	99,900	45,315	64,000	29,030
	40	12.19	72.2	101,000	45,814	112,600	51,075	82,300	37,331	52,400	23,769
	50	15.24	67.1	74,400	33,748	86,900	39,418	60,300	27,352	37,800	17,146
	60	18.29	61.8	58,300	26,445	69,300	31,434	47,100	21,365	29,000	13,154
	70	21.34	56.2	47,600	21,591	57,400	26,037	38,200	17,328	23,200	10,524
	80	24.38	50.3	39,900	18,099	48,000	21,773	31,800	14,424	18,900	8,573
	90	27.43	43.7	34,100	15,468	41,000	18,598	27,000	12,247	15,700	7,122
	100	30.48	36.3	29,500	13,381	35,500	16,103	23,300	10,569	13,200	5,988
	110	33.53	27.2	25,900	11,748	31,200	14,152	20,200	9,163	11,200	5,080
120	36.58	13.4	22,800	10,342	27,500	12,474	17,700	8,029	9,500	4,309	

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
130' (39.62 m)	22	6.71	81.7	170,000	77,112	170,000	77,112	170,000	77,112	138,500	62,824
	25	7.62	80.4	164,400	74,572	164,400	74,572	164,400	74,572	110,000	49,896
	30	9.14	78.1	153,900	69,809	155,800	70,671	126,000	57,154	81,300	36,878
	35	10.67	75.9	122,200	55,430	130,100	59,013	99,800	45,269	63,900	28,985
	40	12.19	73.6	100,900	45,768	111,800	50,712	82,200	37,286	52,300	23,723
	50	15.24	68.9	74,200	33,657	86,300	39,146	60,200	27,307	37,700	17,101
	60	18.29	64.1	58,200	26,400	68,700	31,162	46,900	21,274	28,900	13,109
	70	21.34	59.1	47,400	21,501	57,300	25,991	38,000	17,237	23,000	10,433
	80	24.38	53.8	39,700	18,008	47,800	21,682	31,700	14,379	18,800	8,528
	90	27.43	48.2	33,900	15,377	40,800	18,507	26,900	12,202	15,600	7,076
	100	30.48	41.9	29,400	13,336	35,400	16,057	23,100	10,478	13,100	5,942
	110	33.53	34.8	25,700	11,658	31,100	14,107	20,100	9,117	11,100	5,035
	120	36.58	26.1	22,700	10,297	27,500	12,474	17,600	7,983	9,400	4,264
130	39.62	12.9	20,200	9,163	24,100	10,932	15,500	7,031	7,900	3,583	
140' (42.67 m)	23	7.01	81.9	158,400	71,850	158,400	71,850	158,400	71,850	127,600	57,879
	25	7.62	81.1	155,200	70,399	155,200	70,399	155,200	70,399	110,000	49,896
	30	9.14	79.0	146,000	66,226	146,000	66,226	125,900	57,108	81,200	36,832
	35	10.67	76.9	122,100	55,385	129,300	58,650	99,700	45,224	63,800	28,940
	40	12.19	74.8	100,800	45,723	111,000	50,350	82,100	37,241	52,200	23,678
	50	15.24	70.5	74,100	33,612	85,600	38,828	60,000	27,216	37,500	17,010
	60	18.29	66.1	58,000	26,309	68,100	30,890	46,700	21,183	28,700	13,018
	70	21.34	61.5	47,200	21,410	57,100	25,901	37,800	17,146	22,800	10,342
	80	24.38	56.8	39,500	17,917	47,700	21,637	31,500	14,288	18,600	8,437
	90	27.43	51.7	33,700	15,286	40,700	18,462	26,700	12,111	15,400	6,985
	100	30.48	46.3	29,200	13,245	35,200	15,967	22,900	10,387	12,900	5,851
	110	33.53	40.3	25,600	11,612	30,900	14,016	19,900	9,027	10,900	4,944
	120	36.58	33.5	22,600	10,251	27,300	12,383	17,500	7,938	9,200	4,173
130	39.62	25.2	20,100	9,117	24,400	11,068	15,400	6,985	7,800	3,538	
140	42.67	12.4	17,900	8,119	21,200	9,616	13,500	6,124	6,600	2,994	
150' (45.72 m)	25	7.62	81.7	144,800	65,681	144,800	65,681	144,800	65,681	110,000	49,896
	30	9.14	79.7	138,100	62,642	138,100	62,642	125,900	57,108	81,100	36,787
	35	10.67	77.8	122,000	55,339	128,500	58,288	99,600	45,179	63,700	28,894
	40	12.19	75.8	100,700	45,678	110,200	49,987	82,000	37,195	52,000	23,587
	50	15.24	71.9	73,900	33,521	84,900	38,511	59,900	27,171	37,400	16,965
	60	18.29	67.8	57,800	26,218	67,500	30,618	46,600	21,138	28,500	12,928
	70	21.34	63.6	47,000	21,319	56,800	25,764	37,600	17,055	22,600	10,251
	80	24.38	59.2	39,300	17,826	47,500	21,546	31,300	14,198	18,400	8,346
	90	27.43	54.7	33,500	15,196	40,500	18,371	26,500	12,020	15,200	6,895
	100	30.48	49.8	29,000	13,154	35,000	15,876	22,700	10,297	12,700	5,761
	110	33.53	44.6	25,400	11,521	30,700	13,926	19,700	8,936	10,700	4,854
	120	36.58	38.9	22,400	10,161	27,200	12,338	17,300	7,847	9,000	4,082
	130	39.62	32.3	19,900	9,027	24,200	10,977	15,200	6,895	7,700	3,493
140	42.67	24.3	17,800	8,074	21,500	9,752	13,400	6,078	6,500	2,948	
150	45.72	12.0	15,900	7,212	18,700	8,482	11,800	5,352	5,400	2,449	
160' (48.77 m)	26	7.92	81.8	135,100	61,281	135,100	61,281	135,100	61,281	102,700	46,585
	30	9.14	80.4	120,400	59,149	130,400	59,149	125,800	57,063	81,000	36,742
	35	10.67	78.6	121,800	55,248	124,600	56,519	99,500	45,133	63,600	28,849
	40	12.19	76.7	100,500	45,587	109,600	49,716	81,800	37,104	51,900	23,542
	50	15.24	73.0	73,700	33,430	84,300	38,239	59,700	27,080	37,200	16,874
	60	18.29	69.2	57,600	26,127	67,000	30,381	46,400	21,047	28,300	12,837
	70	21.34	65.4	46,800	21,228	56,200	25,492	37,400	16,965	22,400	10,161
	80	24.38	61.3	39,100	17,736	47,200	21,410	31,100	14,107	18,200	8,256
	90	27.43	57.2	33,300	15,105	40,300	18,280	26,300	11,930	15,000	6,804
	100	30.48	52.8	28,800	13,064	34,800	15,785	22,500	10,206	12,500	5,670
	110	33.53	48.2	25,200	11,431	30,400	13,788	19,500	8,845	10,500	4,763
	120	36.58	43.2	22,200	10,070	27,000	12,247	17,000	7,711	8,800	3,992
	130	39.62	37.6	19,700	8,936	24,000	10,886	15,000	6,804	7,400	3,357
140	42.67	31.3	17,600	7,983	21,400	9,707	13,200	5,988	6,300	2,858	
150	45.72	23.5	15,700	7,122	18,900	8,573	11,700	5,307	5,200	2,359	
160	48.77	11.6	14,100	6,396	16,500	7,484	10,300	4,672	4,300	1,950	

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
170' (51.82 m)	27	8.23	82.0	126,100	57,199	126,100	57,199	126,100	57,199	96,300	43,682
	30	9.14	81.0	123,000	55,793	123,000	55,793	123,000	55,793	80,900	36,696
	35	10.67	79.2	116,100	52,663	116,100	52,663	99,300	45,042	63,400	28,758
	40	12.19	77.5	100,400	45,541	108,900	49,397	81,700	37,059	51,700	23,451
		15.24	74.0	73,500	33,340	83,700	37,966	59,500	26,989	37,000	16,783
	60	18.29	70.5	57,400	26,037	66,400	30,119	46,200	20,956	28,100	12,746
	70	21.34	66.9	46,600	21,138	55,700	25,266	37,200	16,874	22,200	10,070
	80	24.38	63.2	38,900	17,645	46,700	21,183	30,800	13,971	17,900	8,119
	90	27.43	59.3	33,100	15,014	39,800	18,053	26,000	11,794	14,700	6,668
	100	30.48	55.3	28,600	12,973	34,400	15,604	22,300	10,115	12,300	5,579
	110	33.53	51.1	24,900	11,295	30,100	13,653	19,300	8,754	10,300	4,672
	120	36.58	46.6	22,000	9,979	26,700	12,111	16,800	7,620	8,600	3,901
	130	39.62	41.8	19,500	8,845	23,800	10,796	14,800	6,713	7,200	3,266
	140	42.67	36.5	17,300	7,847	21,200	9,616	13,000	5,897	6,100	2,767
	150	45.72	30.3	15,500	7,031	18,800	8,528	11,500	5,216	5,000	2,268
	160	48.77	22.8	13,900	6,305	16,600	7,530	10,200	4,627	4,100	1,860
	170	51.82	11.3	12,500	5,670	14,400	6,532	9,000	4,082	3,300	1,497
180' (54.86 m)	29	8.84	81.8	115,200	52,255	115,200	52,255	115,200	52,255	85,400	38,737
	30	9.14	81.5	114,200	51,801	114,200	51,801	114,200	51,801	80,800	36,651
	35	10.67	79.9	109,500	49,669	109,500	49,669	99,200	44,997	63,300	28,713
	40	12.19	78.2	100,200	45,451	104,900	47,583	81,500	36,968	51,600	23,406
	50	15.24	75.0	73,400	33,294	83,100	37,694	59,300	26,898	36,800	16,692
	60	18.29	71.6	57,200	25,946	65,900	29,892	45,900	20,820	27,900	12,655
	70	21.34	68.2	46,400	21,047	55,200	25,039	37,000	16,783	22,000	9,979
	80	24.38	64.8	38,700	17,554	48,200	20,956	30,600	13,880	17,700	8,029
	90	27.43	61.2	32,900	14,923	39,400	17,872	25,800	11,703	14,500	6,577
	100	30.48	57.5	28,300	12,837	34,000	15,422	22,100	10,025	12,000	5,443
	110	33.53	53.6	24,700	11,204	29,600	13,427	19,100	8,664	10,000	4,536
	120	36.58	49.6	21,700	9,843	26,500	12,020	16,600	7,530	8,400	3,810
	130	39.62	45.3	19,200	8,709	23,600	10,705	14,500	6,577	7,000	3,175
	140	42.67	40.6	17,100	7,757	20,900	9,480	12,800	5,806	5,800	2,631
	150	45.72	35.4	15,300	6,940	18,500	8,392	11,300	5,126	4,800	2,177
	160	48.77	29.5	13,700	6,214	16,400	7,439	10,000	4,536	3,900	1,769
	170	51.82	22.1	12,300	5,579	14,500	6,577	8,800	3,992	3,100	1,406
180	54.86	11.0	11,000	4,990	12,600	5,715	7,700	3,493	2,400	1,089	
190' (57.91 m)	30	9.14	81.9	107,100	48,581	107,100	48,581	107,100	48,581	80,700	36,606
	35	10.67	80.4	103,100	46,766	103,100	46,766	99,000	44,906	63,100	28,622
	40	12.19	78.9	98,900	44,861	98,900	44,861	81,300	36,878	51,400	23,315
	50	15.24	75.8	73,200	33,204	82,600	37,467	59,100	26,808	36,600	16,602
	60	18.29	72.6	57,000	25,855	65,400	29,665	45,700	20,730	27,700	12,565
	70	21.34	69.4	46,200	20,956	54,700	24,812	36,800	16,692	21,800	9,888
	80	24.38	66.2	38,400	17,418	45,700	20,730	30,400	13,789	17,500	7,938
	90	27.43	62.8	32,600	14,787	38,900	17,645	25,600	11,612	14,300	6,486
	100	30.48	59.4	28,100	12,746	33,500	15,196	21,800	9,888	11,800	5,352
	110	33.53	55.8	24,500	11,113	29,500	13,381	18,800	8,528	9,800	4,445
	120	36.58	52.1	21,500	9,752	26,300	11,930	16,300	7,394	8,100	3,674
	130	39.62	48.2	19,000	8,618	23,300	10,569	14,300	6,486	6,800	3,084
	140	42.67	44.0	16,900	7,666	20,600	9,344	12,500	5,670	5,600	2,540
	150	45.72	39.4	15,100	6,849	18,200	8,256	11,000	4,990	4,600	2,087
	160	48.77	34.4	13,500	6,124	16,200	7,348	9,700	4,400	3,700	1,678
	170	51.82	28.7	12,100	5,489	14,300	6,486	8,600	3,901	2,900	1,315
	180	54.86	21.5	10,800	4,899	12,600	5,715	7,500	3,402	2,200	998
190	57.91	10.7	9,700	4,400	10,900	4,944	6,600	2,994	1,500	680	

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
200' (60.96 m)	32	9.75	81.7	94,700	42,956	94,700	42,956	94,700	42,956		
	35	10.67	80.9	94,700	42,956	94,700	42,956	94,700	42,956		
	40	12.19	79.4	93,100	42,230	93,100	42,230	81,200	36,832		
	50	15.24	76.5	73,000	33,113	82,000	37,195	58,900	26,717		
	60	18.29	73.5	56,800	25,764	64,800	29,393	45,500	20,639		
	70	21.34	70.5	45,900	20,820	54,200	24,585	36,600	16,602		
	80	24.38	67.4	38,200	17,328	45,200	20,663	30,100	13,653		
	90	27.43	64.3	32,400	14,697	38,500	17,464	25,300	11,476		
	100	30.48	61.1	27,800	12,610	33,100	15,017	21,600	9,798		
	110	33.53	57.8	24,200	10,977	29,500	13,381	18,600	8,437		
	120	36.58	54.3	21,200	9,616	26,000	11,794	16,100	7,303		
	130	39.62	50.7	18,700	8,482	22,900	10,387	14,000	6,350		
	140	42.67	46.9	16,600	7,530	20,200	9,163	12,300	5,579		
	150	45.72	42.8	14,800	6,713	17,900	8,119	10,800	4,899		
	160	48.77	38.4	13,200	5,988	15,800	7,167	9,500	4,309		
	170	51.82	33.5	11,900	5,398	14,000	6,350	8,300	3,765		
	180	54.86	27.9	10,600	4,808	12,400	5,625	7,300	3,311		
	190	57.91	21.0	9,500	4,309	10,900	4,944	6,400	2,903		
	200	60.96	10.4	8,500	3,856	9,400	4,264	5,500	2,495		
	210' (64.01 m)	33	10.06	81.9	83,900	38,057	83,900	38,057	83,900	38,057	
35		10.67	81.3	83,900	38,057	83,900	38,057	83,900	38,057		
40		12.19	79.9	82,800	37,558	82,800	37,558	81,000	36,742		
50		15.24	77.1	72,800	33,022	79,600	36,107	58,700	26,626		
60		18.29	74.3	56,500	25,628	64,300	29,166	45,300	20,548		
70		21.34	71.5	45,700	20,730	53,700	24,358	36,300	16,466		
80		24.38	68.6	38,000	17,237	44,800	20,321	29,900	13,563		
90		27.43	65.6	32,100	14,561	38,000	17,237	25,100	11,385		
100		30.48	62.6	27,600	12,519	32,700	14,833	21,300	9,662		
110		33.53	59.5	24,000	10,886	29,300	13,290	18,300	8,301		
120		36.58	56.2	21,000	9,526	25,700	11,858	15,800	7,167		
130		39.62	52.9	18,500	8,392	22,500	10,208	13,800	6,260		
140		42.67	49.4	16,400	7,439	19,800	8,981	12,000	5,443		
150		45.72	45.7	14,600	6,623	17,500	7,938	10,500	4,763		
160		48.77	41.7	13,000	5,897	15,500	7,031	9,200	4,173		
170		51.82	37.4	11,600	5,262	13,700	6,214	8,100	3,674		
180		54.86	32.7	10,400	4,717	12,100	5,489	7,100	3,221		
190		57.91	27.2	9,300	4,218	10,700	4,854	6,100	2,767		
200		60.96	20.5	8,300	3,765	9,300	4,218	5,300	2,404		
210		64.01	10.1	7,400	3,357	8,000	3,629	4,500	2,041		
220' (67.06 m)	34	10.36	82.0	75,200	34,111	75,200	34,111	75,200	34,111		
	35	10.67	81.7	75,200	34,111	75,200	34,111	75,200	34,111		
	40	12.19	80.4	74,300	33,702	74,300	33,702	74,300	33,702		
	50	15.24	77.7	72,400	32,841	72,400	32,841	58,500	26,536		
	60	18.29	75.1	56,300	25,538	63,800	29,940	45,100	20,457		
	70	21.34	72.3	45,500	20,639	53,200	24,132	36,100	16,375		
	80	24.38	69.6	37,700	17,101	44,300	20,094	29,700	13,472		
	90	27.43	66.8	31,900	14,470	37,500	17,018	24,800	11,249		
	100	30.48	63.9	27,300	12,383	32,200	14,806	21,100	9,571		
	110	33.53	61.0	23,700	10,750	29,000	13,154	18,100	8,210		
	120	36.58	58.0	20,700	9,390	25,200	11,431	15,600	7,076		
	130	39.62	54.8	18,200	8,256	22,100	10,025	13,500	6,124		
	140	42.67	51.6	16,100	7,303	19,400	8,808	11,800	5,352		
	150	45.72	48.2	14,300	6,486	17,100	7,757	10,300	4,672		
	160	48.77	44.6	12,700	5,761	15,100	6,849	9,000	4,082		
	170	51.82	40.7	11,300	5,126	13,400	6,078	7,800	3,538		
	180	54.86	36.6	10,100	4,581	11,800	5,352	6,800	3,084		
	190	57.91	31.9	9,000	4,082	10,400	4,717	5,900	2,676		
	200	60.96	26.6	8,000	3,629	9,100	4,128	5,100	2,313		
	210	64.01	20.0	7,100	3,221	7,900	3,583	4,300	1,950		
220	67.06	9.9	6,300	2,858	6,700	3,039	3,600	1,633			

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
230' (70.10 m)	36	10.97	81.8	67,500	30,618	67,500	30,618	67,500	30,618		
	40	12.19	80.8	67,100	30,437	67,100	30,437	67,100	30,437		
	50	15.24	78.3	65,400	29,665	65,400	29,665	58,300	26,445		
	60	18.29	75.7	56,100	25,447	62,100	28,169	44,800	20,321		
	70	21.34	73.1	45,200	20,503	52,700	23,905	35,900	16,284		
	80	24.38	70.5	37,500	17,010	43,800	19,888	29,400	13,336		
	90	27.43	67.8	31,600	14,334	37,100	16,829	24,600	11,159		
	100	30.48	65.1	27,100	12,293	31,800	14,424	20,800	9,435		
	110	33.53	62.4	23,400	10,614	28,600	12,973	17,800	8,074		
	120	36.58	59.5	20,500	9,299	24,800	11,249	15,300	6,940		
	130	39.62	56.6	18,000	8,165	21,700	9,843	13,300	6,033		
	140	42.67	53.5	15,900	7,212	19,000	8,619	11,500	5,216		
	150	45.72	50.4	14,000	6,350	16,700	7,575	10,000	4,536		
	160	48.77	47.0	12,500	5,670	14,700	6,668	8,700	3,946		
	170	51.82	43.5	11,100	5,035	13,000	5,897	7,600	3,447		
	180	54.86	39.8	9,900	4,491	11,400	5,171	6,500	2,948		
190	57.91	35.7	8,800	3,992	10,000	4,536	5,600	2,540			
200	60.96	31.2	7,800	3,538	8,800	3,992	4,800	2,177			
210	64.01	26.0	6,900	3,130	7,600	3,447	4,100	1,860			
220	67.06	19.6	6,100	2,767	6,500	2,948	3,400	1,542			
230	70.10	9.7	5,300	2,404	5,400	2,449	2,700	1,225			
240' (73.15 m)	37	11.28	81.9	60,400	27,397	60,400	27,397	60,400	27,397		
	40	12.19	81.2	60,400	27,397	60,400	27,397	60,400	27,397		
	50	15.24	78.8	57,800	26,218	57,800	26,218	57,800	26,218		
	60	18.29	76.3	54,900	24,903	54,900	24,903	44,600	20,231		
	70	21.34	73.9	45,000	20,412	49,600	22,499	35,600	16,148		
	80	24.38	71.4	37,200	16,874	43,400	19,686	29,200	13,245		
	90	27.43	68.8	31,400	14,243	38,600	16,602	24,300	11,022		
	100	30.48	66.2	26,800	12,156	31,300	14,198	20,600	9,344		
	110	33.53	63.6	23,200	10,524	27,800	12,610	17,500	7,938		
	120	36.58	60.9	20,200	9,163	24,400	11,068	15,100	6,849		
	130	39.62	58.1	17,700	8,029	21,200	9,616	13,000	5,897		
	140	42.67	55.3	15,600	7,076	18,600	8,437	11,200	5,080		
	150	45.72	52.3	13,800	6,260	16,300	7,394	9,700	4,400		
	160	48.77	49.2	12,200	5,534	14,300	6,486	8,400	3,810		
	170	51.82	46.0	10,800	4,899	12,600	5,715	7,300	3,311		
	180	54.86	42.6	9,600	4,355	11,000	4,990	6,300	2,858		
190	57.91	38.9	8,500	3,856	9,700	4,400	5,400	2,449			
200	60.96	34.9	7,500	3,402	8,400	3,810	4,600	2,087			
210	64.01	30.5	6,600	2,994	7,300	3,311	3,800	1,724			
220	67.06	25.4	5,800	2,631	6,200	2,812	3,100	1,406			
230	70.10	19.1	5,100	2,313	5,200	2,359	2,500	1,134			
240	73.15	9.5	4,200	1,905	4,200	1,905	1,900	862			

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A		
				360°	KGS	END	KGS	360°	KGS	360°	KGS	
250' (76.20 m)	39	11.89	81.8	53,900	24,449	53,900	24,449	53,900	24,449			
	40	12.19	81.6	53,900	24,449	53,900	24,449	53,900	24,449			
	50	15.24	79.2	52,500	23,814	52,500	23,814	52,500	23,814			
	60	18.29	76.9	49,600	22,499	49,600	22,499	44,400	20,140			
	70	21.34	74.5	44,700	20,276	45,200	20,503	35,300	16,012			
	80	24.38	72.1	36,900	16,738	41,000	18,596	28,900	13,109			
	90	27.43	69.7	31,100	14,107	38,300	16,466	24,000	10,886			
	100	30.48	67.2	26,500	12,020	31,100	14,107	20,200	9,163			
	110	33.53	64.7	22,800	10,342	26,500	12,020	17,200	7,802			
	120	36.58	62.2	19,800	8,981	23,600	10,706	14,700	6,668			
	130	39.62	59.5	17,300	7,847	21,100	9,571	12,600	5,715			
	140	42.67	56.8	15,200	6,895	18,600	8,437	10,900	4,944			
	150	45.72	54.1	13,400	6,078	16,000	7,258	9,400	4,264			
	160	48.77	51.2	11,800	5,352	13,700	6,214	8,100	3,674			
	170	51.82	48.2	10,400	4,717	11,700	5,307	6,900	3,130			
	180	54.86	45.0	9,200	4,173	10,000	4,536	5,900	2,676			
	190	57.91	41.7	8,100	3,674	8,400	3,810	5,000	2,268			
	200	60.96	38.1	7,100	3,221	6,600	3,391	4,200	1,905			
	210	64.01	34.2	6,300	2,858	5,500	3,002	3,400	1,542			
	220	67.06	29.9	5,500	2,495	4,500	2,618	2,800	1,270			
	230	70.10	24.9	4,700	2,132	3,500	2,404	2,100	953			
	240	73.15	18.8	3,300	1,497	3,300	1,497	1,600	726			
	250	76.20	9.3	2,800	1,270	2,800	1,270	1,000	454			
	260' (79.25 m)	40	12.19	81.9	46,900	22,181	46,900	22,181				
		50	15.24	79.6	47,700	21,637	47,700	21,637				
60		18.29	77.4	45,000	20,412	45,000	20,412					
70		21.34	75.1	41,100	18,643	41,100	18,643					
80		24.38	72.8	36,700	16,647	37,500	17,010					
90		27.43	70.5	30,800	13,971	33,800	15,332					
100		30.48	68.2	26,200	11,884	30,800	13,971					
110		33.53	65.8	22,600	10,251	26,000	11,340					
120		36.58	63.3	19,600	8,891	23,300	10,569					
130		39.62	60.8	17,100	7,757	21,500	9,752					
140		42.67	58.3	15,000	6,804	19,000	8,618					
150		45.72	55.6	13,100	5,942	16,800	7,620					
160		48.77	52.9	11,600	5,262	15,000	6,804					
170		51.82	50.1	10,200	4,627	13,400	6,078					
180		54.86	47.2	9,000	4,082	11,900	5,398					
190		57.91	44.1	7,900	3,583	10,700	4,854					
200		60.96	40.8	6,900	3,130	9,500	4,309					
210		64.01	37.3	6,000	2,722	8,500	3,856					
220		67.06	33.5	5,200	2,359	7,600	3,447					
230		70.10	29.3	4,500	2,041	6,700	3,039					
240		73.15	24.4	3,800	1,724	5,800	2,631					
250		76.20	18.4	3,200	1,452	4,900	2,177					
260		79.25	9.1	2,500	1,134	3,400	1,542					

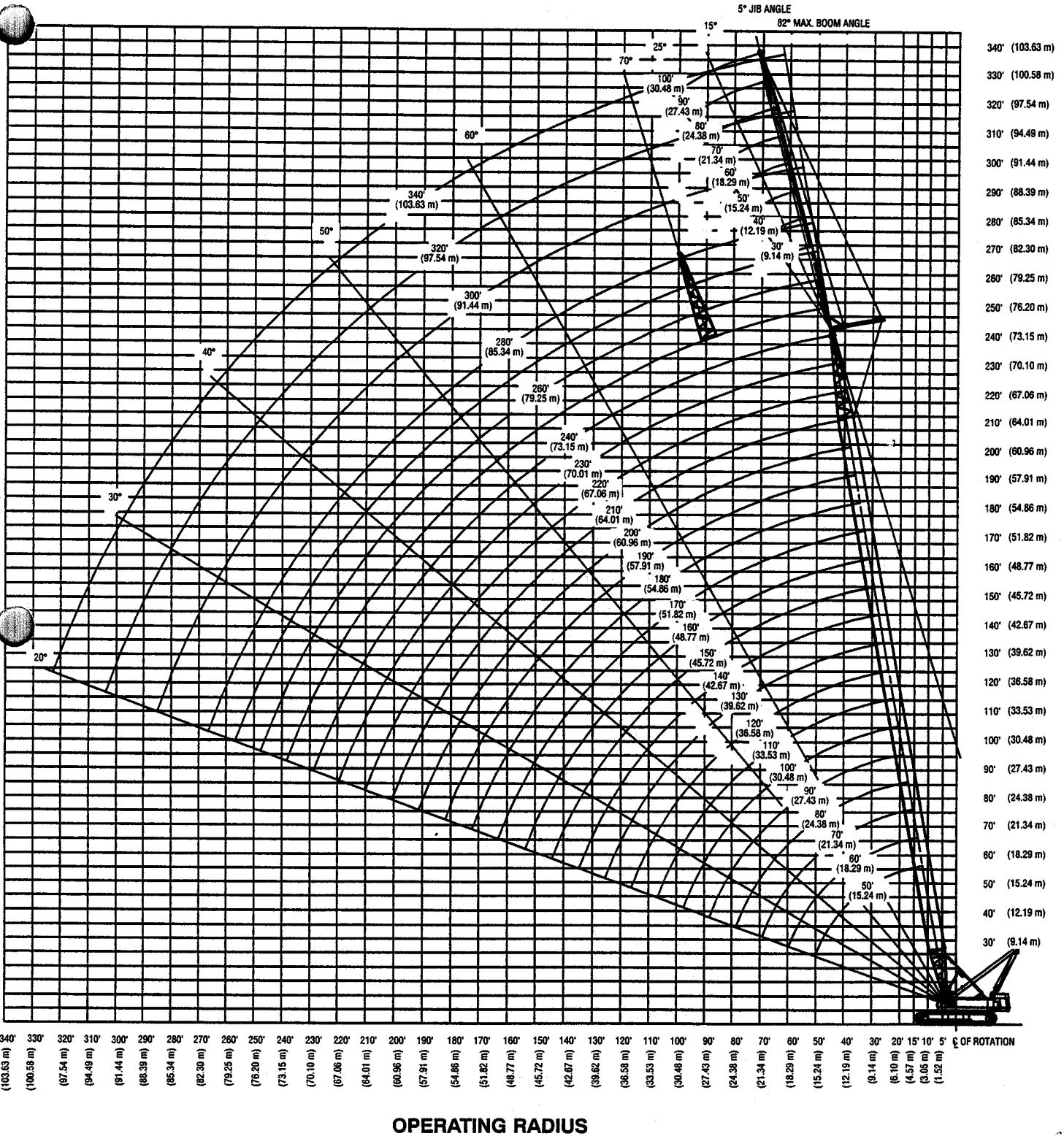
Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

Link-Belt® LS-248H Lifting Crane Capacities — open throat boom

BOOM LENGTH	RADIUS	METERS	BOOM ANGLE	CTWT ABC				CTWT AB		CTWT A	
				360°	KGS	END	KGS	360°	KGS	360°	KGS
270' (82.30 m)	41	12.50	82.0	44,400	20,140	44,400	20,140				
	50	15.24	80.0	43,300	19,641	43,300	19,641				
	60	18.29	77.9	40,900	18,552	40,900	18,552				
	70	21.34	75.7	37,300	16,919	37,300	16,919				
	80	24.38	73.5	33,800	15,332	33,800	15,332				
	90	27.43	71.3	30,500	13,835	30,500	13,971				
	100	30.48	69.0	26,000	11,794	27,000	12,247				
	110	33.53	66.7	22,300	10,115	24,600	11,158				
	120	36.58	64.4	19,300	8,754	22,500	10,208				
	130	39.62	62.0	16,800	7,620	20,600	9,344				
	140	42.67	59.6	14,700	6,668	18,700	8,482				
	150	45.72	57.1	12,900	5,851	16,600	7,530				
	160	48.77	54.5	11,300	5,126	14,700	6,668				
	170	51.82	51.9	9,900	4,491	13,100	5,942				
	180	54.86	49.1	8,700	3,946	11,700	5,307				
	190	57.91	46.2	7,600	3,447	10,400	4,717				
	200	60.96	43.2	6,600	2,994	9,300	4,218				
	210	64.01	40.0	5,700	2,586	8,200	3,720				
	220	67.06	36.6	4,900	2,223	7,300	3,311				
	230	70.10	32.9	4,200	1,905	6,500	2,948				
240	73.15	28.7	3,500	1,588	5,700	2,586					
250	76.20	24.0	2,900	1,315	5,000	2,268					
260	79.25	18.0	2,300	1,043	4,300	1,950					
270	82.30	8.9	1,800	816	2,400	1,089					
280' (85.34 m)	43	13.11	81.8	39,600	17,963	39,600	17,963				
	50	15.24	80.4	39,600	17,963	39,600	17,963				
	60	18.29	78.3	37,200	16,874	37,200	16,874				
	70	21.34	76.2	33,900	15,377	33,900	15,377				
	80	24.38	74.1	30,900	14,016	30,900	14,016				
	90	27.43	72.0	26,700	12,111	26,700	12,111				
	100	30.48	69.8	24,300	11,022	24,300	11,022				
	110	33.53	67.6	22,000	9,979	22,400	10,161				
	120	36.58	65.4	19,000	8,618	20,400	9,253				
	130	39.62	63.1	16,500	7,484	18,700	8,482				
	140	42.67	60.8	14,400	6,532	17,100	7,757				
	150	45.72	58.4	12,600	5,715	15,800	7,167				
	160	48.77	56.0	11,000	4,990	14,500	6,577				
	170	51.82	53.5	9,600	4,355	12,800	5,806				
	180	54.86	50.9	8,400	3,810	11,400	5,171				
	190	57.91	48.2	7,300	3,311	10,100	4,581				
	200	60.96	45.4	6,300	2,858	9,000	4,082				
	210	64.01	42.4	5,500	2,495	8,000	3,629				
	220	67.06	39.3	4,700	2,132	7,000	3,175				
	230	70.10	35.9	3,900	1,769	6,200	2,812				
240	73.15	32.3	3,300	1,497	5,400	2,449					
250	76.20	28.2	2,600	1,179	4,700	2,132					
260	79.25	23.5	2,100	953	4,000	1,814					
270	82.30	17.7	1,500	680	3,400	1,542					
280	85.34	8.8	1,000	454	1,400	635					

Shaded area indicates capacities based on factors other than those which would cause a tipping condition.

LS-248H Lift Crane Working Range



Notes: Lifting Crane Capacities

General:

1. Rated lifting capacities in pounds as shown on lift charts pertain to the crane as originally manufactured and normally equipped. Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of the crane must be in compliance with the information in the Operator's, Parts and Safety Manuals supplied with the crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with the crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. The maximum allowable lifting capacities are based on crane standing level on firm supporting surface.
5. All capacities listed are in compliance with ASME/ANSI B30.5b-1991, SAE J987-April 1991, and SAE J765-October 1990.

Set-Up:

1. The crane shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the crawler side frames to spread the load to a larger bearing surface.
2. For required parts of line, see wire rope strength and winch performance tables in Crane Rating Manual.

Lift Crane Operation:

1. Capacities shown are in pounds and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook, sling, grapple, load weighing device, etc. When using main hook while jib is attached, reduce capacities by values shown in Crane Rating Manual. See Operator's Manual for all limitations when raising or lowering attachment.
2. The capacities in the shaded areas are based on structural strength. The capacities in the non-shaded areas are based on stability ratings.
3. For recommended reeving, parts of line, wire rope type and wire rope inspection, see wire rope strength chart, Operator's Manual and Parts Manual.
4. Load ratings are based on freely suspended loads and make no allowances for such factors as the effect of the wind, ground conditions, and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
5. The 30' (9.14 m) live mast must be used for all capacities listed.
6. The least stable rated condition is over the side.
7. Booms must be erected and lowered over the end.
8. Do not operate at radii and boom lengths where the Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in the Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
9. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.

For Over End Capacities Only:

1. These capacities can be lifted over either end with crane standing level on firm supporting surface with adequate blocking placed under the tread member sprockets/idlers at the lift off end, to prevent rocking.
2. Do not travel with a load.