



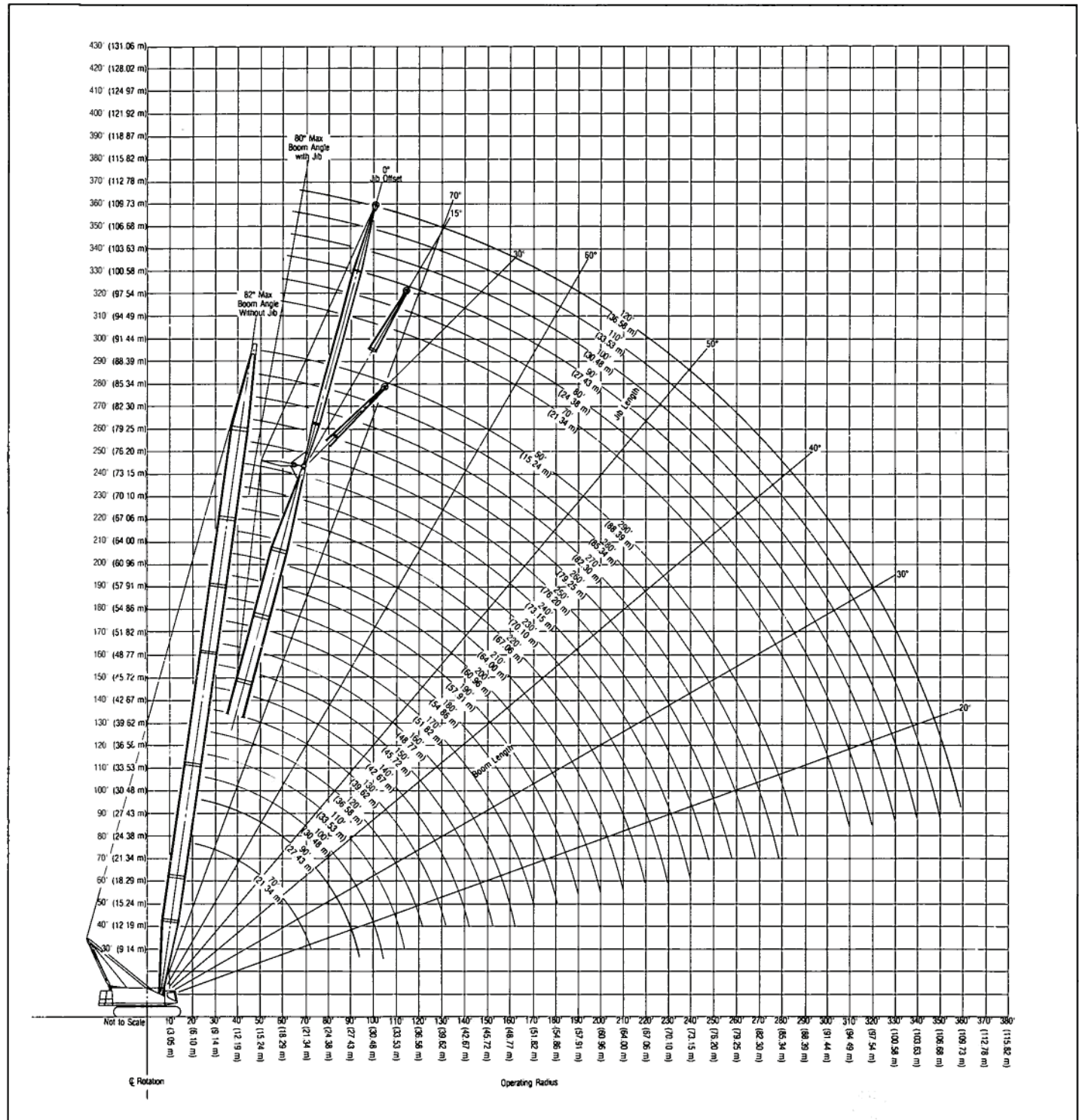
LS-718 boom/jib working ranges — heavy duty boom

Boom — tubular; 100" (2.54 m) wide, 85" (2.16 m) deep with open throat top section, retractable gantry, boom live mast, and dual 1½" (28 mm) diameter boom pendants.

Jib — tubular; 48" (1.22 m) wide, 39" (.96 m) deep.

Counterweight — 134,500# (61 009 kg) — "ABC" only.

Crawler — 17' 6" (5.33 m) extended gauge, 29' 11" (9.12 m) over-all length.



STERLING CRANE

Link-Belt® LS-718 lifting crane capacities — heavy duty boom

Boom — tubular; 100" (2.54 m) wide, 85" (2.16 m) deep with open throat top section, retractable gantry, boom live mast, and dual 1½" (28 mm) diameter boom pendants.

Crawler — 17'6" (5.33 m) extended gauge, 29' 11" (9.12 m) over-all length.

Counterweight — 134,500# (61 009 kg) — "ABC" only.

Boom						Crawler side frames extended	
Length	Radius		Angle	Boom point height①		Counterweight "ABC"	
	Feet	meters	Degree	Feet	meters	360° Swing	
						Pounds	kilograms
70' (21.34 m)	17	5.18	81.6	77' 2"	23.53	500,000*	226 800*
	18	5.49	80.7	77' 0"	23.48	470,000*	213 192*
	19	5.79	79.9	76' 10"	23.42	445,300	201 988
	20	6.10	79.1	76' 8"	23.36	423,000	191 873
	25	7.62	74.9	75' 5"	22.98	301,500	136 760
	30	9.14	70.6	73' 9"	22.48	226,300	102 650
	35	10.67	66.1	71' 8"	21.85	180,400	81 829
	40	12.19	61.5	69' 2"	21.08	149,300	67 722
	50	15.24	51.6	62' 4"	19.00	110,200	49 987
	60	18.29	40.0	52' 4"	15.95	86,400	39 191
	70	21.34	24.2	35' 11"	10.94	70,300	31 888
90' (27.43 m)	20	6.10	81.5	97' 0"	29.55	420,200*	190 603*
	25	7.62	78.3	96' 0"	29.27	302,000	136 987
	30	9.14	75.0	94' 9"	28.89	226,700	102 831
	35	10.67	71.7	93' 3"	28.41	180,700	81 966
	40	12.19	68.3	91' 4"	27.84	149,500	67 813
	50	15.24	61.2	86' 6"	26.36	110,300	50 032
	60	18.29	53.6	79' 11"	24.36	86,600	39 282
	70	21.34	45.1	71' 1"	21.68	70,600	32 024
	80	24.38	35.1	59' 0"	17.97	59,000	26 762
	90	27.43	21.2	39' 9"	12.12	50,200	22 771
100' (30.48 m)	21	6.40	81.8	106' 11"	32.58	395,200*	179 263*
	25	7.62	79.5	106' 3"	32.38	302,000	136 987
	30	9.14	76.5	105' 1"	32.04	226,600	102 786
	35	10.67	73.6	103' 9"	31.62	180,600	81 920
	40	12.19	70.5	102' 1"	31.11	149,400	67 768
	50	15.24	64.3	97' 9"	29.80	110,200	49 987
	60	18.29	57.7	92' 1"	28.07	86,500	39 236
	70	21.34	50.6	84' 9"	25.83	70,400	31 933
	80	24.38	42.6	75' 1"	22.89	58,900	26 717
	90	27.43	33.2	62' 0"	18.89	50,200	22 771
	100	30.48	20.1	41' 6"	12.66	43,400	19 686
110' (33.53 m)	23	7.01	81.5	116' 8"	35.57	347,600	157 671
	25	7.62	80.4	116' 5"	35.48	301,900	136 942
	30	9.14	77.8	115' 5"	35.17	226,500	102 740
	35	10.67	75.1	114' 2"	34.79	180,400	81 829
	40	12.19	72.4	112' 8"	34.33	149,200	67 677
	50	15.24	66.8	108' 10"	33.16	110,000	49 896
	60	18.29	61.0	103' 10"	31.64	86,300	39 146
	70	21.34	54.8	97' 5"	29.68	70,200	31 843
	80	24.38	48.1	89' 3"	27.21	58,700	26 626
	90	27.43	40.5	78' 10"	24.03	50,000	22 680
	100	30.48	31.6	64' 10"	19.76	43,400	19 686
	110	33.53	19.1	43' 2"	13.17	37,800	17 146
120' (36.58 m)	24	7.32	81.7	126' 8"	38.62	322,900	146 467
	25	7.62	81.2	126' 7"	38.57	301,800	136 896
	30	9.14	78.8	125' 7"	38.29	226,300	102 650
	35	10.67	76.4	124' 6"	37.94	180,200	81 739
	40	12.19	73.9	123' 1"	37.52	148,900	67 541
	50	15.24	68.8	119' 8"	36.47	109,700	49 760
	60	18.29	63.6	115' 2"	35.09	86,000	39 010
	70	21.34	58.1	109' 5"	33.36	70,000	31 752
	80	24.38	52.3	102' 4"	31.20	58,400	26 490
	90	27.43	45.9	93' 7"	28.51	49,800	22 589
	100	30.48	38.7	82' 5"	25.11	43,200	19 596
	110	33.53	30.2	67' 6"	20.58	37,700	17 101
	120	36.58	18.3	44' 10"	13.66	33,100	15 014
130' (39.62 m)	25	7.62	81.9	136' 8"	41.66	301,600	136 806
	30	9.14	79.7	135' 10"	41.40	226,100	102 559
	35	10.67	77.4	134' 9"	41.08	180,000	81 648
	40	12.19	75.2	133' 6"	40.69	148,700	67 450
	50	15.24	70.5	130' 4"	39.73	109,400	49 624
	60	18.29	65.8	126' 3"	38.48	85,700	38 874
	70	21.34	60.8	121' 1"	36.92	69,700	31 616
	80	24.38	55.6	114' 10"	34.99	58,100	26 354
	90	27.43	50.0	107' 1"	32.65	49,500	22 453
	100	30.48	44.0	97' 8"	29.76	42,900	19 459
	110	33.53	37.1	85' 9"	26.14	37,400	16 965
	120	36.58	28.9	70' 1"	21.37	32,900	14 923
	130	39.62	17.6	46' 4"	14.12	29,100	13 200

① Measured vertically from center of boom head sheave to ground.

STERLING CRANE

LS-718 lifting crane capacities — heavy duty boom

Boom						Crawler side frames extended	
Length	Radius		Angle	Boom point height①		Counterweight "ABC"	
	Feet	meters	Degree	Feet	meters	360° Swing	
						Pounds	kilograms
140' (42.67 m)	27	8.23	81.7	146' 6"	44.65	226,100	102 559
	30	9.14	80.4	146' 0"	44.50	225,900	102 468
	35	10.67	78.3	145' 0"	44.20	179,700	81 512
	40	12.19	76.2	143' 10"	43.84	148,300	67 269
	50	15.24	72.0	140' 11"	42.95	109,100	49 488
	60	18.29	67.6	137' 2"	41.81	85,400	38 737
	70	21.34	63.1	132' 6"	40.38	69,300	31 434
	80	24.38	58.4	126' 9"	38.65	57,800	26 218
	90	27.43	53.4	119' 11"	36.55	49,100	22 272
	100	30.48	48.1	111' 7"	34.02	42,600	19 323
	110	33.53	42.3	101' 7"	30.95	37,100	16 829
	120	36.58	35.7	89' 0"	27.13	32,600	14 787
	130	39.62	27.9	72' 7"	22.13	28,900	13 109
	140	42.67	16.9	47' 10"	14.57	25,600	11 612
150' (45.72 m)	28	8.53	81.9	156' 5"	47.67	250,800	113 763
	30	9.14	81.1	156' 2"	47.59	225,600	102 332
	35	10.67	79.1	155' 3"	47.31	179,400	81 376
	40	12.19	77.2	154' 2"	46.98	148,000	67 133
	50	15.24	73.2	151' 5"	46.15	108,700	49 306
	60	18.29	69.2	147' 11"	45.09	85,100	38 601
	70	21.34	66.0	143' 8"	43.78	69,000	31 298
	80	24.38	60.7	138' 5"	42.19	57,400	26 037
	90	27.43	56.2	132' 2"	40.30	48,700	22 090
	100	30.48	51.5	124' 9"	38.04	42,200	19 142
	110	33.53	46.4	115' 11"	35.34	36,800	16 692
	120	36.58	40.8	105' 4"	32.09	32,300	14 651
	130	39.62	34.5	92' 2"	28.08	28,600	12 973
	140	42.67	26.9	75' 0"	22.86	25,400	11 521
	150	45.72	16.3	49' 3"	15.01	22,600	10 251
160' (48.77 m)	30	9.14	81.6	166' 3"	50.67	225,300	102 196
	35	10.67	79.8	165' 5"	50.42	179,000	81 194
	40	12.19	78.0	164' 5"	50.11	147,600	66 951
	50	15.24	74.3	161' 10"	49.33	108,300	49 125
	60	18.29	70.5	158' 7"	48.35	84,700	38 420
	70	21.34	66.7	154' 8"	47.13	68,600	31 117
	80	24.38	62.7	149' 10"	45.67	57,000	25 855
	90	27.43	58.6	144' 1"	43.93	48,300	21 909
	100	30.48	54.3	137' 5"	41.88	41,900	19 006
	110	33.53	49.7	129' 6"	39.46	36,400	16 511
	120	36.58	44.8	120' 1"	36.61	31,900	14 470
	130	39.62	39.4	108' 11"	33.19	28,200	12 792
	140	42.67	33.3	95' 2"	29.00	25,000	11 340
	150	45.72	26.0	77' 4"	23.57	22,300	10 115
	160	48.77	15.8	50' 7"	15.43	19,900	9 027
170' (51.82 m)	31	9.45	81.8	176' 2"	53.71	213,900	97 025
	35	10.67	80.4	175' 7"	53.51	178,700	81 058
	40	12.19	78.7	174' 7"	53.22	147,300	66 815
	50	15.24	75.2	172' 3"	52.50	108,000	48 989
	60	18.29	71.7	169' 3"	51.58	84,300	38 238
	70	21.34	68.1	165' 6"	50.44	68,200	30 936
	80	24.38	64.4	161' 0"	49.08	56,600	25 674
	90	27.43	60.6	155' 9"	47.47	47,900	21 727
	100	30.48	56.7	149' 7"	45.59	41,500	18 824
	110	33.53	52.5	142' 5"	43.40	36,000	16 330
	120	36.58	48.1	134' 0"	40.84	31,600	14 334
	130	39.62	43.4	124' 2"	37.83	27,800	12 610
	140	42.67	38.2	112' 5"	34.26	24,700	11 204
	150	45.72	32.3	98' 1"	29.89	21,900	9 934
	160	48.77	25.2	79' 7"	24.25	19,500	8 845
	170	51.82	15.3	51' 11"	15.83	17,400	7 893
180' (54.86 m)	32	9.75	81.9	186' 2"	56.75	203,500	92 308
	35	10.67	81.0	185' 8"	56.60	178,400	80 922
	40	12.19	79.3	184' 10"	56.33	146,900	66 634
	50	15.24	76.1	182' 7"	55.65	107,600	48 807
	60	18.29	72.8	179' 9"	54.78	83,900	38 057
	70	21.34	69.4	176' 3"	53.72	67,800	30 754
	80	24.38	66.0	172' 1"	52.45	56,200	25 492
	90	27.43	62.4	167' 2"	50.95	47,500	21 546
	100	30.48	58.7	161' 5"	49.21	41,100	18 643
	110	33.53	54.9	154' 10"	47.19	35,600	16 148
	120	36.58	50.9	147' 2"	44.86	31,200	14 152
	130	39.62	46.7	138' 4"	42.17	27,400	12 429
	140	42.67	42.1	128' 0"	39.02	24,300	11 022
	150	45.72	37.1	115' 9"	35.29	21,500	9 752
	160	48.77	31.3	100' 10"	30.75	19,200	8 709
	170	51.82	24.5	81' 9"	24.91	17,100	7 757
	180	54.86	14.8	53' 3"	16.23	15,200	6 895

①Measured vertically from center of boom head sheave to ground.

STERLING CRANE

LS-718 lifting crane capacities — heavy duty boom

Boom						Crawler side frames extended	
Length	Radius		Angle	Boom point height ^①		Counterweight "ABC"	
	Feet	meters	Degree	Feet	meters	360° Swing	
						Pounds	kilograms
190' (57.91 m)	34	10.36	81.8	196' 0"	59.74	185,400	84 097
	35	10.67	81.4	195' 10"	59.69	178,000	80 741
	40	12.19	79.9	195' 0"	59.43	146,500	66 452
	50	15.24	76.8	192' 11"	58.79	107,200	48 626
	60	18.29	73.7	190' 2"	57.97	83,500	37 876
	70	21.34	70.5	186' 11"	56.97	67,400	30 573
	80	24.38	67.3	183' 0"	55.78	55,800	25 311
	90	27.43	64.0	178' 5"	54.38	47,100	21 365
	100	30.48	60.6	173' 1"	52.75	40,700	18 462
	110	33.53	57.0	166' 11"	50.89	35,200	15 967
	120	36.58	53.3	159' 11"	48.74	30,700	13 926
	130	39.62	49.5	151' 10"	46.28	27,000	12 247
	140	42.67	45.3	142' 7"	43.45	23,800	10 796
	150	45.72	40.9	131' 9"	40.16	21,100	9 571
	160	48.77	36.0	119' 0"	36.28	18,800	8 528
	170	51.82	30.5	103' 7"	31.58	16,700	7 575
	180	54.86	23.8	83' 10"	25.56	14,800	6 713
	190	57.91	14.4	54' 6"	16.61	13,200	5 988
200' (60.96 m)	35	10.67	81.9	205' 11"	62.77	177,600	80 559
	40	12.19	80.4	205' 2"	62.53	146,100	66 271
	50	15.24	77.5	203' 2"	61.92	106,700	48 399
	60	18.29	74.5	200' 7"	61.14	83,100	37 694
	70	21.34	71.5	197' 6"	60.20	66,900	30 346
	80	24.38	68.5	193' 10"	59.07	55,300	25 084
	90	27.43	65.4	189' 6"	57.76	46,600	21 138
	100	30.48	62.2	184' 6"	56.24	40,200	18 235
	110	33.53	58.9	178' 9"	54.49	34,800	15 785
	120	36.58	55.4	172' 3"	52.50	30,300	13 744
	130	39.62	51.9	164' 10"	50.24	26,600	12 066
	140	42.67	48.1	156' 4"	47.65	23,400	10 614
	150	45.72	44.1	146' 8"	44.69	20,700	9 390
	160	48.77	39.8	135' 5"	41.27	18,300	8 301
	170	51.82	35.1	122' 3"	37.25	16,300	7 394
	180	54.86	29.7	106' 3"	32.39	14,400	6 532
	190	57.91	23.2	85' 11"	26.18	12,800	5 806
	200	60.96	14.1	55' 9"	16.98	11,300	5 126
210' (64.01 m)	36	10.97	82.0	215' 11"	65.81	170,000	77 112
	40	12.19	80.9	215' 3"	65.62	145,700	66 090
	50	15.24	78.1	213' 5"	65.04	106,300	48 218
	60	18.29	75.3	211' 0"	64.30	82,700	37 513
	70	21.34	72.5	208' 0"	63.41	66,500	30 164
	80	24.38	69.6	204' 6"	62.34	54,900	24 903
	90	27.43	66.6	200' 6"	61.10	46,200	20 556
	100	30.48	63.6	195' 9"	59.67	39,800	18 053
	110	33.53	60.5	190' 5"	58.03	34,400	15 604
	120	36.58	57.3	184' 4"	56.18	29,900	13 563
	130	39.62	54.0	177' 5"	54.07	26,100	11 839
	140	42.67	50.5	169' 7"	51.69	23,000	10 433
	150	45.72	46.9	160' 9"	48.99	20,300	9 208
	160	48.77	43.0	150' 7"	45.90	17,900	8 119
	170	51.82	38.8	138' 11"	42.35	15,800	7 167
	180	54.86	34.2	125' 4"	38.19	14,000	6 350
	190	57.91	28.9	108' 10"	33.18	12,400	5 625
	200	60.96	22.6	87' 11"	26.79	10,900	4 944
	210	64.01	13.7	56' 11"	17.34	9,600	4 355
220' (67.06 m)	38	11.58	81.8	225' 8"	68.79	156,600	71 034
	40	12.19	81.3	225' 5"	68.71	145,300	65 908
	50	15.24	78.7	223' 7"	68.15	105,900	48 036
	60	18.29	76.0	221' 4"	67.45	82,200	37 286
	70	21.34	73.3	218' 6"	66.60	66,100	29 983
	80	24.38	70.5	215' 2"	65.59	54,500	24 721
	90	27.43	67.7	211' 4"	64.41	45,700	20 730
	100	30.48	64.9	206' 11"	63.06	39,400	17 872
	110	33.53	62.0	201' 10"	61.52	33,900	15 377
	120	36.58	59.0	196' 1"	59.77	29,400	13 336
	130	39.62	55.9	189' 8"	57.81	25,700	11 658
	140	42.67	52.7	182' 5"	55.59	22,500	10 206
	150	45.72	49.3	174' 2"	53.10	19,800	8 981
	160	48.77	45.7	165' 0"	50.28	17,500	7 938
	170	51.82	42.0	154' 6"	47.08	15,400	6 985
	180	54.86	37.9	142' 5"	43.40	13,600	6 169
	190	57.91	33.4	128' 4"	39.11	11,900	5 398
	200	60.96	28.3	111' 5"	33.95	10,500	4 763
	210	64.01	22.1	89' 10"	27.38	9,200	4 173
	220	67.06	13.4	58' 1"	17.70	8,000	3 629

^①Measured vertically from center of boom head sheave to ground.

STERLING CRANE

LS-718 lifting crane capacities — heavy duty boom

Length	Boom					Crawler side frames extended	
	Radius		Angle	Boom point height①		Counterweight "ABC"	
	Feet	meters	Degree	Feet	meters	360° Swing	
						Pounds	kilograms
230' (70.10 m)	39	11.89	81.9	235' 8"	71.84	150,300	68 176
	40	12.19	81.7	235' 6"	71.79	144,900	65 727
	50	15.24	79.2	233' 10"	71.26	105,500	47 855
	60	18.29	76.6	231' 7"	70.59	81,800	37 104
	70	21.34	74.0	228' 11"	69.78	65,600	29 756
	80	24.38	71.4	225' 9"	68.82	54,000	24 494
	90	27.43	68.8	222' 1"	67.70	45,300	20 548
	100	30.48	66.1	217' 11"	66.42	38,900	17 645
	110	33.53	63.3	213' 1"	64.96	33,500	15 196
	120	36.58	60.5	207' 9"	63.31	29,000	13 154
	130	39.62	57.6	201' 8"	61.46	25,300	11 476
	140	42.67	54.4	194' 10"	59.39	22,100	10 025
	150	45.72	51.4	187' 3"	57.07	19,400	8 800
	160	48.77	48.1	178' 8"	54.47	17,000	7 711
	170	51.82	44.7	169' 1"	51.54	14,900	6 759
	180	54.86	41.0	158' 3"	48.23	13,100	5 942
	190	57.91	37.0	145' 9"	44.43	11,500	5 216
	200	60.96	32.6	131' 3"	40.01	10,000	4 536
	210	64.01	27.6	113' 10"	34.70	87,700	3 946
	220	67.06	21.6	91' 9"	27.96	7,500	3 402
	230	70.10	13.1	59' 2"	18.05	6,400	2 903
240' (73.15 m)	41	12.50	81.8	245' 6"	74.83	139,300	63 186
	45	13.72	80.6	244' 11"	74.65	124,100	56 292
	50	15.24	79.6	244' 0"	74.37	105,000	47 628
	60	18.29	77.2	241' 11"	73.73	81,400	36 923
	70	21.34	74.7	239' 4"	72.95	65,200	29 575
	80	24.38	72.2	236' 4"	72.03	53,500	24 268
	90	27.43	69.7	232' 10"	70.97	44,800	20 321
	100	30.48	67.1	228' 10"	69.74	38,500	17 464
	110	33.53	64.5	224' 3"	68.36	33,000	14 969
	120	36.58	61.8	219' 2"	66.80	28,500	12 928
	130	39.62	59.1	213' 5"	65.05	24,800	11 249
	140	42.67	56.2	207' 0"	63.11	21,600	9 798
	150	45.72	53.3	199' 11"	60.93	18,900	8 573
	160	48.77	50.2	192' 0"	58.51	16,600	7 530
	170	51.82	47.1	183' 1"	55.81	14,500	6 577
	180	54.86	43.7	173' 2"	52.77	12,700	5 761
	190	57.91	40.1	161' 11"	49.34	11,000	4 990
	200	60.96	36.2	149' 1"	45.43	9,600	4 355
	210	64.01	31.9	134' 1"	40.88	8,300	3 765
	220	67.06	27.0	116' 3"	35.43	7,100	3 221
	230	70.10	21.1	93' 7"	28.53	6,000	2 722
	240	73.15	12.8	60' 4"	18.38	5,000	2 268
250' (76.20 m)	42	12.80	81.9	255' 6"	77.88	134,600	61 055
	45	13.72	81.0	255' 0"	77.72	123,400	55 974
	50	15.24	80.0	254' 2"	77.47	104,600	47 447
	60	18.29	77.7	252' 2"	76.85	80,900	36 696
	70	21.34	75.3	249' 8"	76.11	64,700	29 348
	80	24.38	73.0	246' 10"	75.23	53,100	24 086
	90	27.43	70.5	243' 6"	74.21	44,900	20 367
	100	30.48	68.1	239' 8"	73.05	38,000	17 237
	110	33.53	65.6	235' 4"	71.73	32,600	14 787
	120	36.58	63.0	230' 6"	70.25	28,100	12 746
	130	39.62	60.4	225' 0"	68.59	24,300	11 022
	140	42.67	57.7	219' 0"	66.75	21,200	9 616
	150	45.72	55.0	212' 3"	64.70	18,500	8 392
	160	48.77	52.1	204' 10"	62.44	16,100	7 303
	170	51.82	49.2	196' 7"	59.92	14,000	6 350
	180	54.86	46.0	187' 7"	57.11	12,200	5 534
	190	57.91	42.8	177' 1"	53.97	10,600	4 808
	200	60.96	39.2	165' 6"	50.44	9,100	4 128
	210	64.01	35.4	152' 3"	46.41	7,800	3 538
	220	67.06	31.2	136' 11"	41.74	6,600	2 994
	230	70.10	26.5	118' 7"	36.15	5,600	2 540
	240	73.15	20.7	95' 5"	29.08	4,600	2 087
260' (79.25 m)	43	13.11	82.0	265' 5"	80.89	129,700	58 832
	45	13.72	81.3	265' 1"	80.80	122,400	55 521
	50	15.24	80.4	264' 4"	80.56	104,100	47 220
	60	18.29	78.2	262' 5"	79.97	80,500	36 515
	70	21.34	75.9	260' 0"	79.26	64,300	29 166
	80	24.38	73.6	257' 3"	78.42	52,600	23 859
	90	27.43	71.3	254' 1"	77.44	44,400	20 140
	100	30.48	69.0	250' 5"	76.33	37,600	17 055
	110	33.53	66.6	246' 3"	75.07	32,100	14 561

①Measured vertically from center of boom head sheave to ground.

STERLING CRANE

LS-718 lifting crane capacities — heavy duty boom

Length	Boom					Crawler side frames extended	
	Radius		Angle	Boom point height ^①		Counterweight "ABC"	
	Feet	meters	Degree	Feet	meters	360° Swing Pounds	kilograms
260' (79.25 m)	120	36.58	64.2	241' 8"	73.66	27,600	12 519
	130	39.62	61.7	236' 6"	72.08	23,900	10 841
	140	42.67	59.1	230' 9"	70.34	20,700	9 390
	150	45.72	56.5	224' 5"	68.40	18,000	8 165
	160	48.77	53.8	217' 5"	66.26	15,600	7 076
	170	51.82	51.0	209' 8"	63.90	13,600	6 169
	180	54.86	48.1	201' 1"	61.29	11,700	5 307
	190	57.91	45.1	191' 7"	58.38	10,100	4 581
	200	60.96	41.9	180' 11"	55.14	8,700	3 946
	210	64.01	38.4	169' 0"	51.50	7,400	3 357
	220	67.06	34.7	155' 5"	47.37	6,200	2 812
	230	70.10	30.6	139' 8"	42.58	5,100	2 313
	240	73.15	25.9	120' 11"	36.85	4,100	1 860
270' (82.30 m)	45	13.72	81.9	275' 2"	83.88	120,900	54 840
	50	15.24	80.8	274' 5"	83.65	103,700	47 038
	60	18.29	78.6	272' 7"	83.09	80,100	36 333
	70	21.34	76.4	270' 4"	82.40	63,800	28 940
	80	24.38	74.3	267' 8"	81.59	52,200	23 678
	90	27.43	72.0	264' 7"	80.66	44,000	19 958
	100	30.48	69.8	261' 1"	79.59	37,100	16 829
	110	33.53	67.5	257' 2"	78.38	31,600	14 334
	120	36.58	65.2	252' 9"	77.03	27,200	12 338
	130	39.62	62.8	247' 10"	75.53	23,400	10 614
	140	42.67	60.4	242' 4"	73.87	20,200	9 163
	150	45.72	57.9	236' 4"	72.04	17,500	7 938
	160	48.77	55.4	229' 8"	70.01	15,200	6 895
	170	51.82	52.7	222' 5"	67.79	13,100	5 942
	180	54.86	50.0	214' 4"	65.33	11,300	5 126
	190	57.91	47.2	205' 6"	62.62	9,600	4 355
	200	60.96	44.2	195' 8"	59.63	8,200	3 720
	210	64.01	41.1	184' 8"	56.29	6,900	3 130
	220	67.06	37.7	172' 5"	52.55	5,700	2 586
	230	70.10	34.1	158' 6"	48.31	4,600	2 087
280' (85.34 m)	46	14.02	81.9	285' 2"	86.93	114,600*	51 983*
	50	15.24	81.1	284' 7"	86.74	103,300	46 857
	60	18.29	79.0	282' 10"	86.20	79,600	36 107
	70	21.34	76.9	280' 8"	85.54	63,300	28 713
	80	24.38	74.8	278' 1"	84.76	51,700	23 451
	90	27.43	72.7	275' 1"	83.86	43,500	19 732
	100	30.48	70.5	271' 9"	82.83	36,700	16 647
	110	33.53	68.3	268' 0"	81.68	31,200	14 152
	120	36.58	66.1	263' 9"	80.39	26,700	12 111
	130	39.62	63.9	259' 0"	78.95	22,900	10 387
	140	42.67	61.6	253' 10"	77.36	19,800	8 981
	150	45.72	59.2	248' 1"	75.62	17,000	7 711
	160	48.77	56.8	241' 9"	73.69	14,700	6 668
	170	51.82	54.3	234' 10"	71.59	12,600	5 715
	180	54.86	51.7	227' 3"	69.27	10,800	4 899
	190	57.91	49.1	218' 11"	66.73	9,200	4 173
	200	60.96	46.3	209' 9"	63.93	7,700	3 493
	210	64.01	43.4	199' 7"	60.84	6,400	2 903
	220	67.06	40.3	188' 5"	57.42	5,200	2 359
290' (88.39 m)	50	15.24	81.4	294' 8"	89.83	93,800	42 548
	60	18.29	79.2	293' 0"	89.30	79,200	35 925
	70	21.34	77.4	290' 11"	88.66	62,900	28 531
	80	24.38	75.4	288' 5"	87.91	51,200	23 224
	90	27.43	73.3	285' 7"	87.05	43,100	19 550
	100	30.48	71.2	282' 4"	86.06	36,200	16 420
	110	33.53	69.1	278' 9"	84.95	30,700	13 926
	120	36.58	67.0	274' 8"	83.71	26,200	11 884
	130	39.62	64.8	270' 2"	82.34	22,500	10 206
	140	42.67	62.6	265' 2"	80.82	19,300	8 754
	150	45.72	60.4	259' 8"	79.15	16,600	7 530
	160	48.77	58.1	253' 8"	77.32	14,200	6 441
	170	51.82	55.7	247' 1"	75.32	12,100	5 489
	180	54.86	53.3	239' 11"	73.13	10,300	4 672
	190	57.91	50.8	232' 1"	70.73	8,700	3 946
	200	60.96	48.1	223' 5"	68.10	7,200	3 266
	210	64.01	45.4	214' 0"	65.23	5,900	2 676
	220	67.06	42.6	203' 6"	62.03	4,700	2 132

^①Measured vertically from center of boom head sheave to ground.

STERLING CRANE

Notes — lifting crane capacities

- Capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are not more than 75% of minimum tipping loads unless marked with an asterisk.
 - Asterisk (*) indicates capacities based on factors other than those which would cause a tipping condition.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.
- Refer to operator's manual for instructions pertaining to raising or lowering of attachment.
- Retractable gantry in raised position, and 40' (12.19 m) high boom live mast in operating position, must be used for all capacities on this chart.
- Least stable rated condition is over the side.
- Main boom length must not exceed 290' (88.39 m). Maximum jib length permitted — 120' (36.58 m); maximum boom+jib combination length permitted — 240' (73.15 m) boom plus 120' (36.58 m) jib.
- For lifting 500,000# (226 800 kg), 12-part load hoist line (1¼" — 32 mm, Type "N" wire rope) is required. Check parts of line required for all capacities.
- Determining lifting crane capacities with jib mounted on boom:
 - When handling load off main boom head sheaves, the following reductions in rated lifting crane capacities must be made to compensate for jib weight —
 - 50' (15.24 m) jib — 2,400# (1 089 kg)
 - 60' (18.29 m) jib — 2,800# (1 270 kg)
 - 70' (21.34 m) jib — 3,150# (1 429 kg)
 - 80' (24.38 m) jib — 3,500# (1 588 kg)
 - 90' (27.43 m) jib — 3,950# (1 792 kg)
 - 100' (30.48 m) jib — 4,300# (1 950 kg)
 - 110' (33.53 m) jib — 4,650# (2 109 kg)
 - 120' (36.58 m) jib — 5,150# (2 336 kg)
- Boom live mast lifting capacity — refer to chart below.
Note: Use of live mast as short boom is intended for machine assembly or disassembly only — it is not to be used for general crane service.
- These capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Crane and Excavator Division.

Boom live mast lifting capacities ①							
Boom live mast radius ②		Upper without counterweight				Upper with counterweight	
		Crawler side frames				Crawler side frames	
		Extended		Retracted		Extended	
Feet	meters	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms
11'	3.35	64,000*	29 030*	64,000*	29 030*	64,000*	29 030*
30'	9.14	64,000*	29 030*	64,000*	29 030*	64,000*	29 030*
35'	10.67	64,000*	29 030*	53,900	24 449	64,000*	29 030*
40'	12.19	54,700	24 812	44,600	20 231	64,000*	29 030*
42' 6"	12.95	50,100	22 725	41,000	18 598	64,000	29 030*

*Based on factors other than those which would cause a tipping condition.

① Requires 4 parts of ¾" (22 mm) Type "N" wire rope.

② Boom live mast stops must be in proper working position and operative.

Maximum boom and boom+jib machine can lift off ① ground unassisted — without load.

Standard machine equipped with boom live mast and appropriate counterweight	Side frames extended							
	Counterweight "A"				Counterweight "AB" or "ABC"			
	Boom		Boom + Jib		Boom		Boom + Jib	
	Feet	meters	Feet	meters	Feet	meters	Feet	meters
Over end	250	76.20	200 + 110	60.96 + 33.58	290	88.39	240 + 120	73.15 + 36.58
Over side	210	64.01	160 + 120	48.77 + 36.58	260	79.25	210 + 110	64.01 + 33.58

Maximum boom and boom+jib machine can lift off ground and travel ② with, with boom horizontal ③ — without load.

Standard machine equipped with boom live mast and appropriate counterweight	Side frames extended							
	Counterweight "A"				Counterweight "AB" or "ABC"			
	Boom		Boom + Jib		Boom		Boom + Jib	
	Feet	meters	Feet	meters	Feet	meters	Feet	meters
Over end	200	60.96	150 + 110	45.72 + 33.58	240	73.15	180 + 120	54.86 + 36.58
Over side	170	51.82	130 + 180	39.62 + 24.38	210	64.01	150 + 120	45.72 + 36.58

① Hook blocks on ground and machine level on firm supporting surface.

② Based on firm, level supporting surface and minimum travel speed.

③ Equipped with 250-ton (226.75 metric ton), 5,600# (2 540 kg) hook block and 50-ton (45.35 metric ton), 2,550# (1 157 kg) jib hook block — carried at boom and jib points.

STERLING CRANE

LS-718 jib capacities (representative capacities for maximum heavy duty boom and jibs permitted).

Counterweight — 134,500# (61 009 kg) —
"ABC" only

Jib — tubular; 48" (1.22 m) wide, 39"
(.96 m) deep.

Crawler — 17' 6" (5.33 m) extended gauge,
29' 11" (9.12 m) over-all length.

Boom — tubular; 100" (2.54 m) wide, 85"
(2.16 m) deep with open throat top section,
retractable gantry, boom live mast,
and dual 1½" (28 mm) diameter boom
pendants.

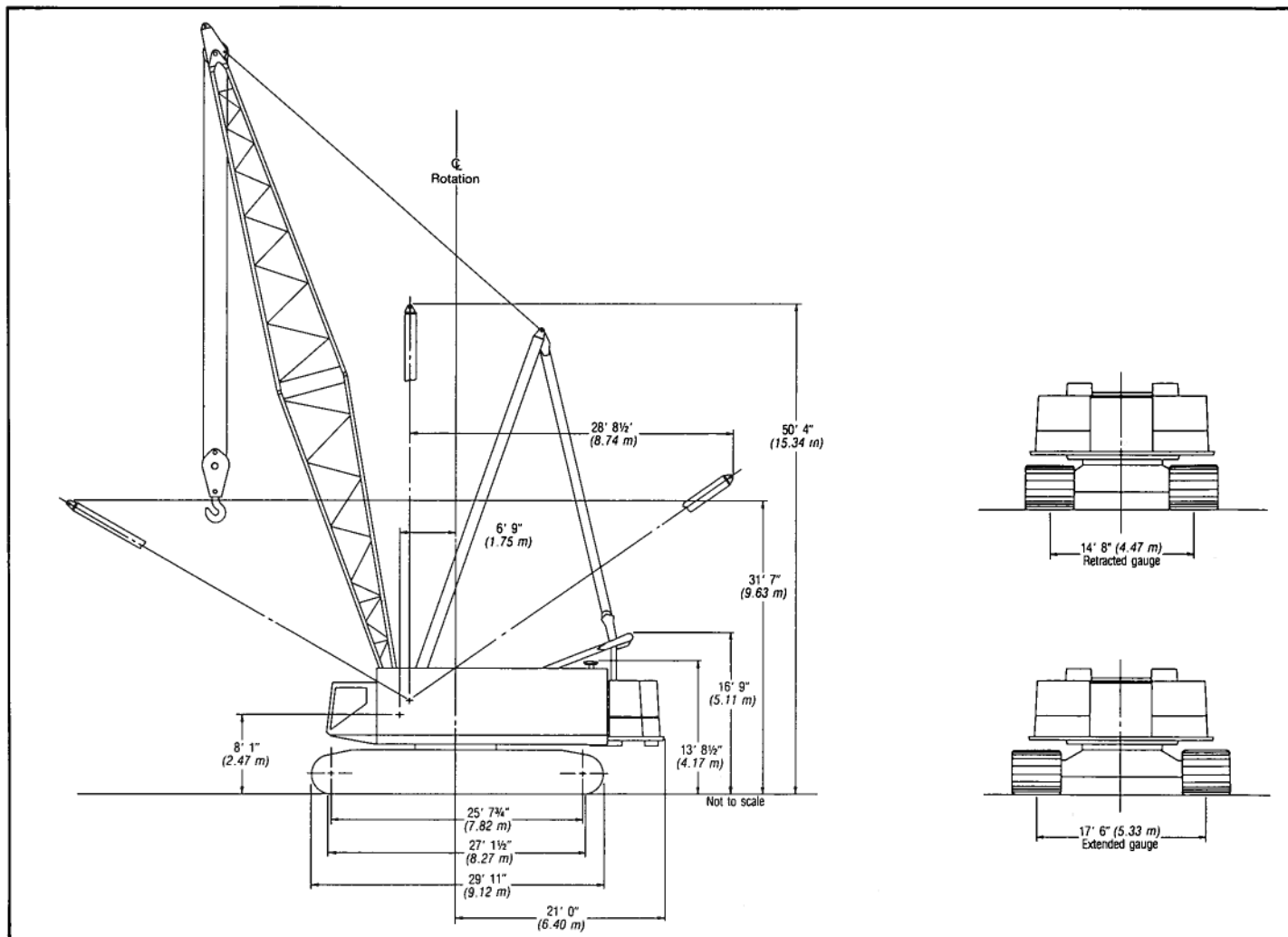
Boom length	Jib length	Load radius		Jib angle to boom													
				0° offset				15° offset				30° offset					
				Boom angle Degree	Jib height① Feet	Jib height① meters	Jib capacity② Pounds	Jib capacity② kilograms	Boom angle Degree	Jib height 1 Feet	Jib height 1 meters	Jib capacity② Pounds	Jib capacity② kilograms	Boom angle Degree	Jib point height① Feet	Jib point height① meters	Jib capacity③ Pounds
80	24.38	77.9	353' 4"	107.72	22,400*	10 161*	80.3	349' 4"	106.47	17,600*	7 983*	—	—	—	—	—	
90	27.43	76.2	351' 1"	107.02	20,400*	9 253*	78.7	346' 8"	105.67	16,300*	7 394*	—	—	—	—	—	
100	30.48	74.5	348' 5"	106.19	18,800*	8 528*	75.0	343' 10"	104.79	15,100*	6 849*	80.7	336' 7"	102.60	13,300*	6 033*	
110	33.53	72.8	345' 6"	105.31	17,200*	7 802*	72.2	340' 6"	103.78	14,000*	6 350*	79.0	333' 4"	101.59	12,500*	5 670*	
120	36.58	71.1	342' 2"	104.30	15,900*	7 212*	70.3	336' 11"	102.69	13,000*	5 897*	77.2	329' 8"	100.49	11,700*	5 307*	
130	39.62	69.4	338' 6"	103.17	14,700*	6 668*	68.6	333' 0"	101.50	12,100*	5 489*	75.4	325' 7"	99.24	11,000*	4 990*	
140	42.67	67.7	334' 7"	101.99	13,500*	6 124*	67.0	328' 8"	100.19	11,300*	5 126*	73.6	321' 2"	97.90	10,300*	4 672*	
150	45.72	65.9	330' 4"	100.68	12,500*	5 670*	66.2	324' 0"	98.76	10,600*	4 808*	71.7	316' 6"	96.47	9,700*	4 400*	
160	48.77	64.1	325' 7"	99.24	11,600*	5 262*	64.5	313' 6"	95.55	9,900*	4 491*	69.8	311' 4"	94.88	9,100*	4 128*	
170	51.81	62.3	320' 6"	97.69	10,800*	4 899*	62.6	307' 5"	93.73	9,200*	4 173*	67.9	305' 7"	93.15	8,600*	3 901*	
180	54.86	60.5	315' 0"	96.01	10,000*	4 536*	60.6	301' 2"	91.81	8,100*	3 674*	64.0	293' 0"	89.31	7,700*	3 493*	
190	57.91	58.6	309' 0"	94.18	9,400*	4 284*	58.6	294' 4"	89.70	7,600*	3 447*	61.9	285' 11"	87.14	7,000*	3 175*	
200	60.96	56.7	302' 8"	92.26	8,200*	3 720*	56.6	286' 11"	87.45	7,200*	3 266*	59.8	278' 4"	84.83	6,300*	2 858*	
210	64.00	54.7	295' 10"	90.16	7,000*	3 175*	54.5	278' 11"	85.00	6,100*	2 770*	57.6	270' 0"	82.30	5,800*	2 631*	
220	67.06	52.7	288' 5"	87.90	5,800*	2 631*	52.4	270' 4"	82.39	4,800*	2 177*	55.4	261' 1"	79.58	5,300*	2 404*	
230	70.10	50.6	280' 6"	85.50	4,500*	2 041*	50.1	261' 0"	79.55	3,700*	1 678*	53.1	251' 5"	76.63	4,800*	2 177*	
240	73.15	48.5	271' 11"	82.88	3,400*	1 542*	47.8	251' 0"	76.50	2,700*	1 225*	50.7	240' 11"	73.43	3,600*	1 633*	
250	76.20	46.3	262' 8"	80.07	2,400*	1 089*	45.4	240' 0"	73.15	1,700*	771*	—	—	—	—	—	
260	79.25	44.0	252' 8"	77.02	1,500*	680*	—	—	—	—	—	—	—	—	—	—	
270	82.30	41.6	241' 11"	73.73	600*	272*	—	—	—	—	—	—	—	—	—	—	
260' (79.25 m)	50' (15.24 m)	60	18.29	80.0	316' 11"	96.59	49,700*	22 544*	80.5	314' 1"	95.74	39,700*	18 008*	—	—	—	—
		70	21.34	78.2	315' 0"	96.01	46,300*	21 002*	78.6	311' 11"	95.01	37,500*	17 010*	80.7	308' 0"	93.88	30,400*
		80	24.38	76.3	312' 10"	95.34	43,200*	19 596*	76.7	309' 4"	94.27	32,200*	14 606*	78.8	305' 5"	93.09	28,000*
		90	27.43	74.4	310' 2"	94.55	39,400*	17 872*	74.8	306' 5"	93.39	30,600*	13 880*	76.8	302' 5"	92.17	26,800*
		100	30.48	72.5	307' 2"	93.63	33,700*	15 286*	72.9	303' 1"	92.38	29,100*	13 200*	74.9	299' 1"	91.17	25,600*
		110	33.53	70.6	303' 11"	92.62	28,600*	12 973*	70.9	299' 5"	91.26	26,100*	11 839*	72.9	295' 4"	90.00	25,600*
		120	36.58	68.6	300' 2"	91.50	24,500*	11 113*	68.9	295' 4"	90.00	22,500*	10 206*	70.9	291' 2"	88.76	23,700*
		130	39.62	66.7	296' 1"	90.25	21,000*	9 526*	66.9	290' 10"	88.64	19,400*	8 800*	68.8	286' 7"	87.36	20,500*
		140	42.67	64.6	291' 7"	88.88	18,000*	8 165*	64.8	285' 10"	87.11	16,700*	7 575*	66.7	281' 6"	85.80	17,700*
		150	45.72	62.6	286' 7"	87.36	15,500*	7 031*	62.8	280' 5"	85.47	14,400*	6 532*	64.6	276' 0"	84.12	15,300*
		160	48.77	60.5	281' 2"	85.71	13,300*	6 033*	60.6	274' 7"	83.70	12,400*	5 625*	62.4	270' 0"	82.30	13,200*
		170	51.81	58.4	275' 5"	83.94	11,400*	5 171*	58.4	268' 1"	81.72	10,600*	4 808*	60.0	263' 6"	80.31	11,400*
		180	54.86	56.2	269' 0"	81.98	9,700*	4 400*	56.2	261' 2"	79.61	9,000*	4 082*	57.9	256' 5"	78.15	9,700*
		190	57.91	54.0	262' 0"	79.86	8,200*	3 720*	54.0	253' 7"	77.30	7,600*	3 447*	55.5	248' 7"	75.77	8,200*
		200	60.96	51.7	254' 5"	77.54	6,800*	3 084*	53.9	245' 4"	74.77	6,200*	2 812*	53.1	240' 1"	73.18	6,900*
		210	64.00	49.3	246' 2"	75.04	5,300*	2 404*	51.5	243' 4"	72.02	4,800*	2 177*	50.5	230' 11"	70.38	5,400*
		220	67.06	46.9	237' 4"	72.33	4,000*	1 814*	49.0	236' 4"	69.04	3,500*	1 588*	47.9	220' 10"	67.30	4,000*
230	70.10	44.3	227' 6"	69.34	2,700*	1 224*	46.4	226' 6"	66.75	2,300*	1 043*	—	—	—	—		
240	73.15	41.7	216' 10"	66.08	1,600*	726*	43.7	215' 8"	65.12	1,200*	544*	—	—	—	—		
250	76.20	38.8	205' 0"	62.48	600*	272*	40.9	203' 10"	62.12	1,200*	544*	—	—	—	—		

①Measured vertically from center of jib peak sheave to ground.

②Capacities for 360° swing.

STERLING CRANE

General Specifications

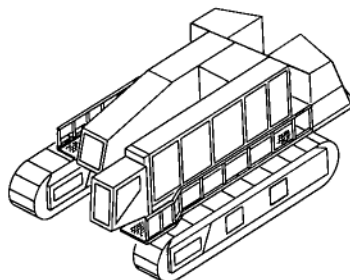


General dimensions	Feet	meters
Basic boom length	—	—
long range boom	100' 0"	30.48
heavy duty boom	70' 0"	21.34
Overall width with 50" (1.27 m) shoes	—	—
side frames extended	21' 8"	6.61
side frames retracted	18' 10"	5.74
Overall width with 60" (1.52 m) shoes	—	—
side frames extended	22' 6"	6.86
side frames retracted	19' 8"	6.00
Overall width of counterweight	19' 2"	5.84

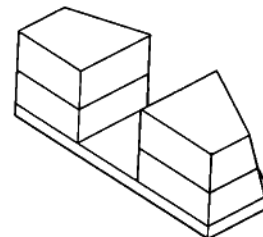
General dimensions	Feet	meters
Clearance under counterweights	4' 11"	1.50
Minimum ground clearance	11½"	0.30
Width of cab with catwalks	12' 0"	3.66
Width of cab with catwalks	20' 0"	6.10
Tailswing of counterweights	21' 0"	6.40
Overall height	—	—
cab (over engine muffler)	13' 8"	4.17
retractable gantry raised	16' 9"	5.11
retractable gantry lowered	13' ½"	3.97

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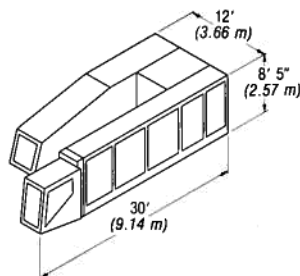
Weights for transporting — approximate



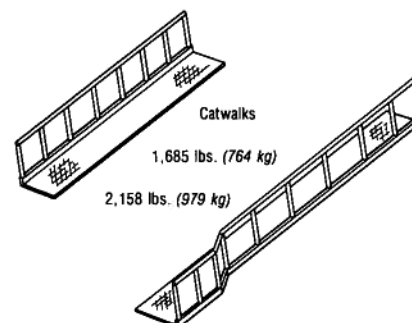
Complete basic machine including retractable gantry (2,500 lbs. — 1,134 kg) and gantry backstays (1,036 lbs. — 470 kg), counterweight cylinder (900 lbs. — 408 kg), boom stops (1,670 lbs. — 757 kg), 18-part boomhoist bail (1,450 — 658 kg), front and rear drum with 2 1/4" (0.54 m) smooth laggings, load lowering clutches, and drum locking pawls, 1,655 (504 m) of 1 1/4" (31.75 mm) wire rope (4,782 lbs. — 2,169 kg) on one drum, catwalks both sides, and "AB" counterweight:
 With 50' (1.27 m) shoes — 393,569 lbs. (178,520 kg)
 With 60' (1.52 m) shoes — 404,169 lbs. (183,328 kg)



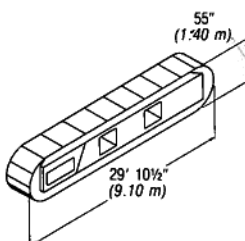
"A" counterweight 60,000 lbs. (27,216 kg)
 "AB" counterweight 134,500 lbs. (61,009 kg)



Basic upper with front and rear drums with load lowering clutches and drum locking pawls but no laggings or wire rope; with turntable bearing disconnect mechanism; without boom stops, retractable gantry and gantry backstays, counterweight lowering cylinder, and 18-part boomhoist bail: 82,866 lbs. (37,587 kg)

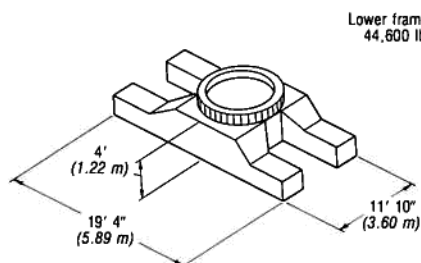
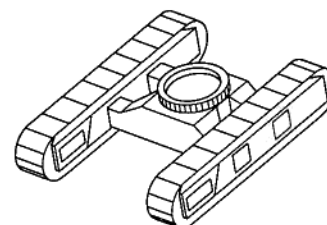


Catwalks
 1,685 lbs. (764 kg)
 2,158 lbs. (979 kg)



One crawler side frame
 With 50' (1.27 m) shoes — 56,100 lbs. (25,447 kg)
 With 60' (1.52 m) shoes — 61,400 lbs. (27,851 kg)

Complete crawler mounting with turntable bearing
 50' (1.27 m) shoes — 156,800 lbs. (71,123 kg)
 60' (1.52 m) shoes — 167,400 lbs. (75,931 kg)



Lower frame with turntable bearing
 44,600 lbs. (20,230 kg)

	Pounds	kg
35' (10.67 m) heavy duty boom base section complete with deflector roller, 4 connecting pins, and boom angle	6,500	2 948
35' (10.67 m) heavy duty boom top section complete with deflector rollers, 6 head sheaves with wire rope guards, and basic boom suspension pendants	9,350	4 241
50' (15.24 m) jib for heavy duty boom, including jib mast and staylines	4,210	1 910
120' (36.58 m) jib for heavy duty boom, including jib mast and staylines	6,910	3 134
35' (10.67 m) long range boom base section complete with deflector roller, 4 connecting pins, and boom angle indicator	6,450	2 926
20' (6.10 m) long range boom mid-section	1,794	814
45' (13.72 m) long range boom top section complete with deflector rollers, 2 head sheaves with wire rope guards, and basic boom suspension pendants	5,840	2 649
30' (9.14 m) jib for long range boom, including jib mast and staylines	2,010	912
100' (30.48 m) jib for long range boom, including jib mast and staylines	3,900	1 769
Boom live mast complete with boomhoist bridle and 18-part, 1,065' (325 m) boomhoist wire rope	9,550	4 331
Fairleader	2,460	1 116
Tagline winder with mounting plate and 200' (60.96 m) tagline wire rope	1,450	658

Machine working weights — approximate

Machine with 70' (21.34 m) heavy duty boom, boom live mast, 50' (1.27 m) shoes, and "AB" counterweight	421,419 lbs. (191 156 kg)
Machine with 100' (30.48 m) long range boom, boom live mast, 50' (1.27 m) shoes, and "AB" counterweight	420,413 lbs. (190 699 kg)