

**Link-Belt® HC-228H lifting crane capacities — open throat boom**

PCSA Class12-775  
Refer to notes page 6

**Boom — tubular:** 70" (1.77m) wide, 62" (1.57m) deep with open throat top section, 1-3/8" (35 mm) diameter boom pendants & boom live mast.

**Jib — tubular:** 36" (.91 m) wide, 30" (.76m) deep.

**Counterweights —** Refer to charts below.

**Mounting —** rubber tire mobile base: Link-Belt; 8 x 4 drive, 260" (6.60m) wheelbase, 11' 0" (3.35m) wide.

Counterweights					
"A" upper		"AB" upper		"A" bumper	
Pounds	Kilograms	Pounds	kilograms	Pounds	kilograms
23,000	10 433	42,330	19 201	13,500	6 124

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

Standard HC-228H must be equipped with the counterweight combinations below when the indicated boom or boom + jib lengths are used.	Minimum/maximum boom or boom + jib lengths allowed	On outriggers							
		Over rear				Over side			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	meters	Feet	meters	Feet	meters	Feet	meters
O + O	Minimum Maximum	50 160	15.24 48.77	50 + 30 120 + 70	15.24 + 9.14 36.58 + 21.34	50 140	15.24 42.67	50 + 30 110 + 70	15.24 + 9.14 33.53 + 21.34
A + O	Minimum Maximum	50 190	15.24 57.91	50 + 30 160 + 70	15.24 + 9.14 48.77 + 21.34	50 180	15.24 54.86	50 + 30 140 + 70	15.24 + 9.14 42.67 + 21.34
A + A	Minimum Maximum	50 220	15.24 67.06	50 + 30 180 + 70	15.24 + 9.14 54.86 + 21.34	50 190	15.24 57.91	50 + 30 150 + 70	15.24 + 9.14 45.72 + 21.34
AB + O	Minimum Maximum	50 220	15.24 67.06	50 + 30 180 + 70	15.24 + 9.14 54.86 + 21.34	50 210	15.24 64.01	50 + 30 170 + 70	15.24 + 9.14 51.82 + 21.34
AB + A	Minimum Maximum	50 240	15.24 73.15	50 + 30 210 + 70	15.24 + 9.14 64.01 + 21.34	50 210	15.24 64.01	50 + 30 180 + 70	15.24 + 9.14 54.86 + 21.34

Machine travel<sup>①</sup> with open throat boom + jib, with no load.<sup>②</sup>

Standard HC-228H must be equipped with the counterweight combinations below when the indicated boom or boom + jib lengths are used.	Minimum/maximum boom or boom + jib lengths allowed	On tires <sup>③</sup>							
		Jobsite moves at 1 mph (1.61 km/h) with boom or boom + jib in the air <sup>④</sup> , and with upper facing rear only.				Jobsite moves at 5 mph (8.05 km/h), with boom or boom + jib horizontal over rear only, and supporting with standard suspension.			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	meters	Feet	meters	Feet	meters	Feet	meters
O + O	Minimum Maximum	50 160	15.24 48.77	n/a n/a	n/a n/a	50 70	15.24 21.34	n/a n/a	n/a n/a
A + O	Minimum Maximum	50 190	15.24 57.91	n/a n/a	n/a n/a	50 100	15.24 30.48	n/a n/a	n/a n/a
A + A	Minimum Maximum	50 220	15.24 67.06	n/a n/a	n/a n/a	50 130	15.24 39.62	n/a n/a	n/a n/a
AB + O	Minimum Maximum	50 220	15.24 67.06	n/a n/a	n/a n/a	50 130	15.24 39.62	n/a n/a	n/a n/a
AB + A	Minimum Maximum	50 240	15.24 73.15	50 + 30 210 + 70	15.24 + 9.14 64.01 + 21.34	70 150	21.34 45.72	50 + 30 120 + 70	15.24 + 9.14 36.58 + 21.34

- ① Hook block may be carried only when attached to carrier.
- ② Limited to 85% of available stability with machine standing level on firm supporting surface.
- ③ For air pressure in front and rear tires refer to operator's manual or tire inflation chart on machine.
- ④ For minimum and maximum boom angles refer to operator's manual.

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

# HC-228H Lift Crane Capacities

Boom - tubular:

70" (1.77 m) wide and 62" (1.57 m) deep with open throat top section; with 26" (7.92 m) live mast and 1-3/8" (35 mm) diameter boom pendants.

Mounting - Link-Belt carrier:

8 x 4 drive, 260" (6.60 m) wheelbase 11' 0" (3.35 m) wide.

Counterweights:

Cwt. "A": 23,000 lbs. (10 433 kg)

Cwt. "B": 19,330 lbs. (8 768 kg)

Bumper Cwt. "A": 13,500 lbs. (6 124 kg)

Length	Boom				
	Radius		Angle	Boom Pt. Height ①	
	feet	meters	degree	feet	meters
<b>35'</b> (10.67 m)	10	3.05	82.0	39.4	12.01
<b>50'</b> (15.24 m)	12	3.66	79.6	56.0	17.07
	15	4.57	76.1	55.3	16.86
	20	6.10	70.1	53.8	16.40
	25	7.62	63.8	51.7	15.76
	30	9.14	57.3	48.9	14.90
	35	10.67	50.1	45.2	13.78
	40	12.19	42.2	40.4	12.31
<b>60'</b> (18.29 m)	50	15.24	19.8	23.7	7.22
	14	4.27	79.4	65.8	20.06
	15	4.57	78.4	65.6	19.99
	20	6.10	73.5	64.3	19.60
	25	7.62	68.4	62.6	19.08
	30	9.14	63.2	60.4	18.41
	35	10.67	57.5	57.5	17.53
<b>70'</b> (21.34 m)	40	12.19	51.9	54.0	16.46
	50	15.24	38.4	44.1	13.44
	60	18.29	18.1	25.4	7.74
	16	4.88	79.3	75.6	23.04
	20	6.10	75.9	74.7	22.77
	25	7.62	71.6	73.3	22.34
	30	9.14	67.3	71.4	21.76
<b>80'</b> (24.38 m)	35	10.67	62.8	69.0	21.03
	40	12.19	58.0	66.2	20.18
	50	15.24	47.8	58.6	17.86
	60	18.29	35.4	47.4	14.45
	70	21.34	16.7	26.9	8.20
	17	5.18	79.9	85.6	26.09
	20	6.10	77.7	85.0	25.91
<b>90'</b> (27.43 m)	25	7.62	74.0	83.7	25.51
	30	9.14	70.2	82.1	25.02
	35	10.67	66.4	80.1	24.41
	40	12.19	62.4	77.7	23.68
	50	15.24	54.0	75.1	22.89
	60	18.29	44.5	62.9	19.17
	70	21.34	33.1	50.5	15.39
<b>100'</b> (30.48 m)	80	24.38	15.6	28.4	8.66
	19	5.79	79.7	95.4	29.08
	20	6.10	79.1	95.2	29.02
	25	7.62	75.8	94.1	28.88
	30	9.14	72.5	92.7	28.25
	35	10.67	69.1	90.9	27.71
	40	12.19	65.7	88.8	27.07
<b>110'</b> (33.53 m)	50	15.24	58.5	83.5	25.45
	60	18.29	50.7	76.4	23.29
	70	21.34	41.8	66.9	20.39
	80	24.38	31.1	53.3	16.25
	90	27.43	14.7	29.7	9.05
	21	6.40	79.6	105.2	32.06
	25	7.62	77.3	104.4	31.82
<b>120'</b> (36.58 m)	30	9.14	74.3	103.1	31.42
	35	10.67	71.3	101.5	30.94
	40	12.19	68.3	99.7	30.39
	50	15.24	61.9	95.1	28.99
	60	18.29	55.2	88.9	27.10
	70	21.34	47.9	81.0	24.69
	80	24.38	39.6	70.6	21.52
<b>130'</b> (39.63 m)	90	27.43	29.5	56.0	17.07
	100	30.48	14.0	30.9	9.42
	23	7.01	79.5	115.0	35.05
	25	7.62	78.4	114.6	34.93
	30	9.14	75.8	113.4	34.56
	35	10.67	73.1	112.0	34.14
	40	12.19	70.3	110.4	33.65
<b>140'</b> (42.68 m)	50	15.24	64.7	106.2	32.37
	60	18.29	58.8	100.9	30.75
	70	21.34	52.4	94.0	28.65
	80	24.38	45.4	85.3	26.00
	90	27.43	37.7	74.1	22.59
	100	30.48	28.1	58.6	17.86
	110	33.53	13.3	32.1	9.78

Over Rear				360°			
"A + A" Cwt.		"AB + A" Cwt.		"A + A" Cwt.		"AB + A" Cwt.	
pounds	kilograms	pounds	kilograms	pounds	kilograms	pounds	kilograms
—	—	300,000*	136 080*	—	—	300,000*	136 080*
234,600*	106 415*	250,000*	113 400*	234,600*	106 415*	250,000*	113 400*
190,400*	86 365*	206,600*	93 714*	190,400*	86 365*	206,600*	93 714*
144,300*	65 454*	156,800*	71 124*	144,300*	65 454*	156,800*	71 124*
115,700*	52 482*	125,800*	57 063*	105,100	47 673	125,800*	57 063*
96,200	43 636	104,800*	47 537*	76,900	34 882	98,200	44 544
77,700	35 245	89,500*	40 597*	60,100	27 261	77,200	35 018
63,900	28 985	77,500*	35 154*	49,000	22 226	63,200	28 668
46,500	21 092	46,900*	21 274*	35,200	15 967	46,000	20 866
202,900*	92 035*	220,100*	99 837*	202,900*	92 035*	220,100*	99 837*
190,000*	86 184*	206,200*	93 532*	190,000*	86 184*	206,200*	93 532*
144,100*	65 364*	156,800*	71 034*	144,100*	65 364*	156,800*	71 034*
115,500*	52 391*	125,700*	57 018*	105,500	47 855	125,700*	57 018*
96,100	43 591	104,600*	47 447*	77,200	35 018	98,500	44 680
77,900	35 335	89,400*	40 552*	60,400	27 397	77,400	35 109
64,100	29 076	77,700*	35 245	49,300	22 362	63,400	28 758
46,700	21 183	57,000*	25 855	35,500	16 103	46,000	20 866
36,300	16 466	38,600*	17 509*	27,100	12 293	35,600	16 148
179,000*	81 194*	194,200*	88 089*	179,000*	81 194*	194,200*	88 089*
144,300*	65 454*	156,800*	71 124*	144,300*	65 454*	156,800*	71 124*
115,700*	52 482*	125,800*	57 063*	106,500	48 308	125,800*	57 063*
96,300	43 682	104,800*	47 537*	77,900	35 335	99,200	44 997
78,400	35 562	89,600*	40 643*	61,000	27 670	77,900	35 335
64,500	29 257	77,900*	35 335*	49,700	22 544	63,900	28 985
47,000	21 319	57,300*	25 991*	35,800	16 239	46,300	21 002
36,600	16 602	44,800*	20 321*	27,400	12 429	35,900	16 284
29,500	13 381	32,100*	14 561*	21,900	9 934	28,800	13 064
168,400*	76 386*	182,700*	82 873*	168,400*	76 386*	182,700*	82 873*
143,900*	65 273*	156,300*	70 898*	143,900*	65 273*	156,300*	70 898*
115,400*	52 345*	125,500*	56 927*	106,600	48 354	125,500*	56 927*
96,000	43 546	104,500*	47 401*	78,000	35 381	99,300	45 042
78,400	35 562	89,300*	40 506*	61,000	27 670	77,900	35 335
64,500	29 257	77,700*	35 245*	49,700	22 544	63,900	28 985
47,000	21 319	57,200*	25 946	35,800	16 239	46,300	21 002
36,600	16 656	44,700*	20 276	27,400	12 429	35,900	16 284
29,500	13 381	36,300*	16 466	21,900	9 934	28,900	13 109
24,400	11 068	27,100*	12 293*	17,800	8 074	23,800	10 796
150,800*	68 403*	163,600*	74 209*	150,800*	68 403*	163,600*	74 209*
143,400*	65 046*	155,800*	70 671*	143,400*	65 046*	155,800*	70 671*
115,000*	52 164*	125,100*	56 745*	106,700	48 399	125,100*	56 745*
95,600*	43 364*	104,100*	47 220*	77,900	35 335	99,200	44 997
78,400	35 562	89,000*	40 370*	61,000	27 670	77,900	35 335
64,400	29 212	77,400*	35 109*	49,600	22 499	63,800	28 940
46,900	21 274	57,100*	25 901*	35,700	16 194	46,200	20 956
36,400	16 511	44,600*	20 231*	27,300	12 383	35,800	16 239
29,400	13 336	36,200*	16 420*	21,800	9 888	28,800	13 064
24,300	11 022	30,200*	13 699*	17,800	8 074	23,800	10 796
20,500	9 299	23,100*	10 478*	14,800	6 713	20,000	9 072
136,200*	61 780*	148,000*	67 133*	136,200*	61 780*	148,000*	67 133*
114,500*	51 937*	124,600*	56 519*	106,700	48 399	124,600*	56 519*
95,300*	43 228*	103,700*	47 038*	77,900	35 335	99,200	44 997
78,200	35 472	88,600*	40 189*	60,900	27 624	77,800	35 290
64,300	29 166	77,000*	34 927*	49,500	22 453	63,700	28 894
46,700	21 183	57,000*	25 855	35,600	16 148	46,000	20 866
36,300	16 466	44,500*	20 185	27,200	12 338	35,600	16 148
29,200	13 245	36,000*	16 330*	21,700	9 843	28,600	12 973
24,200	10 977	30,000*	13 608*	17,700	8 029	23,600	10 705
20,400	9 253	25,500*	11 567*	14,700	6 688	19,900	9 027
17,400	7 893	20,200*	9 163*	12,300	5 579	17,000	7 711
124,100*	56 292*	134,900*	61 191*	124,100*	56 292*	134,900*	61 191*
114,100*	51 756*	124,100*	56 292*	106,700	48 399	124,100*	56 292*
94,800*	43 001*	103,300*	46 857*	77,800	35 290	99,100	44 952
78,100	35 426	88,200*	40 008*	60,800	27 579	77,700	35 245
64,200	29 121	76,800*	34 746*	49,400	22 408	63,600	28 849
46,500	21 092	56,800*	25 764*	35,400	16 057	45,800	20 775
36,100	16 375	44,300*	20 094*	27,000	12 247	35,400	16 057
29,000	13 154	35,600*	16 148	21,500	9 752	28,400	12 882
24,000	10 886	29,800*	13 517*	17,500	7 938	23,400	10 614
20,300	9 208	25,300*	11 476*	14,500	6 577	19,800	8 981
17,300	7 847	21,900*</					

# HC-228H Lift Crane Capacities

Boom - Tubular  
70" (1.77 m) wide and 62" (1.57 m) deep with open throat top  
section: with 26" (7.92 m) live mast and 1-3/8" (35 mm) diameter boom pendants.

Mounting - Link-Belt carrier:  
8 x 4 drive, 260" (6.60 m) wheelbase 11' 0" (3.35 m) wide.

Counterweights:  
Cwt. "A": 23,000 lbs. (10 433 kg)  
Cwt. "B": 19,330 lbs. (8 768 kg)  
Bumper Cwt. "A": 13,500 lbs. (6 124 kg)

Length	Boom					Over Rear				360°			
	Radius		Angle	Boom Pt. Height <sup>ⓐ</sup>		"A + A" Cwt.		"AB + A" Cwt.		"A + A" Cwt.		"AB + A" Cwt.	
	feet	meters	degree	feet	meters	pounds	kilograms	pounds	kilograms	pounds	kilograms	pounds	kilograms
120' (36.58 m)	24	7.32	79.9	125.0	38.10	118,400*	53 706*	126,700*	57 471*	114,900	52 119	126,700*	57 471*
	25	7.62	79.4	124.8	38.04	113,600*	51 529*	123,600*	56 065*	106,700	48 399	123,600*	56 065*
	30	9.14	77.0	123.7	37.70	94,400*	42 820*	102,900*	46 675*	77,700	35 245	99,000	44 906
	35	10.67	74.5	122.5	37.34	78,000	35 381	87,800*	39 826*	60,600	27 488	77,500	35 154
	40	12.19	72.0	121.0	36.88	64,000	29 030	76,300	34 610	49,200	22 317	63,400	28 758
	50	15.24	66.9	117.2	35.72	46,300	21 002	56,600	25 674	35,200	15 967	45,700	20 730
	60	18.29	61.6	112.4	34.26	35,900	16 284	44,100	20 004	26,800	12 156	35,300	16 012
	70	21.34	56.0	106.3	32.40	28,800	13 064	35,600	16 148	21,300	9 662	28,200	12 792
	80	24.38	50.1	98.8	30.11	23,800	10 796	29,600	13 427	17,300	7 847	23,200	10 524
	90	27.43	43.5	89.4	27.25	20,100	9 117	25,100	11 385	14,300	6 486	19,600	8 891
	100	30.48	36.0	77.4	23.59	17,100	7 757	21,700	9 843	12,000	5 443	16,700	7 575
	110	33.53	26.9	61.0	18.59	14,700	6 668	18,800	8 528	10,100	4 581	14,300	6 486
120	36.58	12.7	33.3	10.15	12,700	5 761	15,000*	6 804*	8,500	3 856	12,400	5 625	
130' (39.62 m)	26	7.92	79.8	134.8	41.09	108,900*	49 397*	115,700*	52 482*	99,300	45 042	115,700*	52 482*
	30	9.14	78.0	134.0	40.84	94,000*	42 638*	102,400*	46 449*	77,600	35 199	98,800	44 816
	35	10.67	75.7	132.8	40.48	77,800	35 290	87,400*	39 645*	60,500	27 443	77,400	35 109
	40	12.19	73.4	131.4	40.05	63,800	28 940	75,900*	34 428*	49,100	22 272	63,200	28 668
	50	15.24	68.8	128.0	39.01	46,100	20 911	56,400	25 583	35,100	15 921	45,500	20 639
	60	18.29	64.0	123.6	37.67	35,700	16 194	43,900	19 913	26,600	12 066	35,000	15 876
	70	21.34	59.0	118.2	36.03	28,600	12 973	35,400	16 057	21,100	9 571	28,000	12 701
	80	24.38	53.7	111.5	33.99	23,500	10 660	29,400	13 336	17,100	7 757	23,000	10 433
	90	27.43	48.0	103.4	31.52	19,900	9 027	24,900	11 295	14,100	6 396	19,400	8 800
	100	30.48	41.7	93.3	28.44	16,900	7 666	21,500	9 752	11,800	5 352	16,500	7 484
	110	33.53	34.6	80.6	24.57	14,500	6 577	18,600	8 437	9,900	4 491	14,100	6 396
	120	36.58	25.8	63.4	19.32	12,600	5 715	16,300	7 394	8,400	3 810	12,200	5 534
130	39.62	12.2	34.4	10.49	10,900	4 944	13,000*	5 897*	7,100	3 221	10,500	4 763	
140' (42.67 m)	28	8.53	79.7	144.6	44.07	100,400*	45 541*	105,000*	47 628*	87,200	39 554	105,000*	47 628*
	30	9.14	78.9	144.2	43.90	93,500*	42 412*	101,900*	46 222*	77,500	35 154	98,700	44 770
	35	10.67	76.8	143.1	43.62	77,600	35 199	87,000*	39 463*	60,300	27 352	77,200	35 018
	40	12.19	74.7	141.8	43.22	63,600	28 849	75,400*	34 201*	48,900	22 181	63,000	28 577
	50	15.24	70.4	138.7	42.28	45,900	20 820	56,100	25 447	34,900	15 831	45,200	20 503
	60	18.29	66.0	134.7	41.06	35,500	16 103	43,700	19 822	26,400	11 975	34,800	15 785
	70	21.34	61.4	129.7	39.53	28,400	12 882	35,200	15 967	20,900	9 480	27,800	12 610
	80	24.38	56.6	123.7	37.70	23,300	10 569	29,100	13 200	16,900	7 666	22,800	10 342
	90	27.43	51.6	116.5	35.51	19,700	8 936	24,600	11 159	13,900	6 305	19,200	8 709
	100	30.48	46.1	107.7	32.83	16,700	7 575	21,200	9 616	11,600	5 262	16,200	7 348
	110	33.53	40.1	97.0	29.57	14,300	6 486	18,400	8 346	9,700	4 400	13,900	6 305
	120	36.58	33.3	83.6	25.48	12,400	5 625	16,100	7 303	8,100	3 674	12,000	5 443
130	39.62	24.8	65.6	19.99	10,700	4 854	14,100	6 396	6,900	3 130	10,400	4 717	
140	42.67	11.8	35.4	10.79	9,300	4 218	11,100*	5 035*	5,700	2 586	9,000	4 082	
150' (45.72 m)	30	9.14	79.6	154.4	47.06	93,100*	42 230*	96,400*	43 727*	77,300	35 063	96,400*	43 727*
	35	10.67	77.7	153.4	46.76	77,400	35 109	86,500*	39 236*	60,200	27 307	77,000	34 927
	40	12.19	75.7	152.2	46.39	63,400	28 758	75,000*	34 020*	48,700	22 090	62,900	28 531
	50	15.24	71.7	149.2	45.48	45,700	20 730	55,900	25 356	34,600	15 695	45,000	20 412
	60	18.29	67.6	145.5	44.35	35,200	15 967	43,400	19 686	26,100	11 839	34,600	15 695
	70	21.34	63.4	141.0	42.98	28,100	12 746	34,900	15 831	20,700	9 390	27,500	12 474
	80	24.38	59.1	135.5	41.30	23,000	10 433	28,900	13 109	16,700	7 575	22,500	10 206
	90	27.43	54.5	129.0	39.32	19,400	8 800	24,400	11 068	13,700	6 214	18,900	8 573
	100	30.48	49.7	121.2	36.94	16,400	7 439	21,000	9 526	11,300	5 126	16,000	7 258
	110	33.53	44.5	111.9	34.11	14,100	6 396	18,200	8 256	9,400	4 264	13,800	6 280
	120	36.58	38.7	100.6	30.66	12,100	5 489	15,800	7 167	7,900	3 583	11,700	5 307
	130	39.62	32.1	86.6	26.40	10,500	4 763	13,900	6 305	6,600	2 994	10,100	4 581
140	42.67	24.0	67.8	20.67	9,100	4 128	12,300	5 579	5,500	2 495	8,800	3 992	
150	45.72	11.4	36.4	11.09	7,900	3 583	9,600*	4 355*	4,600	2 087	7,600	3 447	
160' (48.77 m)	31	9.45	79.9	164.3	49.77	88,300*	40 053*	88,300*	40 053*	73,000	33 113	88,300*	40 053*
	35	10.67	78.4	163.6	49.87	77,200	35 018	85,700*	38 874*	60,000	27 216	76,800	34 836
	40	12.19	76.6	162.5	49.53	63,200	28 668	74,600*	33 839*	48,500	22 000	62,700	28 441
	50	15.24	72.9	159.7	48.68	45,400	20 593	55,700	25 266	34,400	15 604	44,800	20 321
	60	18.29	69.1	156.3	47.64	35,000	15 876	43,200	19 596	25,900	11 748	34,400	15 604
	70	21.34	65.2	152.1	46.36	27,900	12 655	34,700	15 740	20,500	9 299	27,300	12 383
	80	24.38	61.2	147.0	44.81	22,800	10 342	28,600	12 973	16,400	7 439	22,200	10 070
	90	27.43	57.0	141.1	43.01	19,200	8 709	24,100	10 932	13,400	6 078	18,700	8 482
	100	30.48	52.7	134.0	40.84	16,200	7 348	20,700	9 390	11,100	5 035	15,700	7 122
	110	33.53	48.0	125.7	38.31	13,800	6 260	17,900	8 119	9,200	4 173	13,400	6 078
	120	36.58	43.0	115.9	35.33	11,900	5 398	15,600	7 076	7,700	3 493	11,500	5 216
	130	39.62	37.4	104.1	31.73	10,200	4 627	13,700	6 214	6,400	2 903	9,900	4 491
140	42.67	31.1	89.4	27.25	8,900	4 037	12,000	5 443	5,300	2 404	8,500	3 856	
150	45.72	23.2	69.9	21.31	7,700	3 493	10,600	4 808	4,300	1 950	7,300	3 311	
160	48.77	11.0	37.4	11.40	6,600	2 994	8,100*	3 674*	3,500	1 588	6,300	2 858	

ⓐ Measured vertically from center of boom head sheave to ground

# HC-228H Lift Crane Capacities

**Boom - tubular:**

70" (1.77 m) wide and 62" (1.57 m) deep with open throat top section; with 26" (7.92 m) live mast and 1-3/8" (35 mm) diameter boom pendants.

**Mounting - Link-Belt carrier:**

8 x 4 drive, 260" (6.60 m) wheelbase 11' 0" (3.35 m) wide.

**Counterweights:**

Cwt. "A": 23,000 lbs. (10 433 kg)  
 Cwt. "B": 19,330 lbs. (8 768 kg)  
 Bumper Cwt. "A": 13,500 lbs. (6 124 kg)

Length	Boom					Over Rear				360°			
	Radius		Angle	Boom Pt. Height <sup>①</sup>		"A + A" Cwt.		"AB + A" Cwt.		"A + A" Cwt.		"AB + A" Cwt.	
	feet	meters	degree	feet	meters	pounds	kilograms	pounds	kilograms	pounds	kilograms	pounds	kilograms
170' (51.82 m)	33	10.06	79.8	174.1	53.07	81,000*	36 742*	81,000*	36 742*	65,900	29 892	81,000*	36 742*
	35	10.67	79.1	173.8	52.97	77,000	34 927	80,000*	36 288*	59,800	27 125	76,600	34 746
	40	12.19	77.4	172.7	52.64	63,000	28 577	74,200*	33 657*	48,300	21 909	62,500	28 350
	50	15.24	73.9	170.2	51.88	45,200	20 503	55,400	25 129	34,200	15 513	44,800	20 321
	60	18.29	70.4	167.0	50.90	34,700	15 740	42,900	19 459	25,700	11 658	34,100	15 468
	70	21.34	66.8	163.0	49.68	27,600	12 519	34,400	15 604	20,200	9 163	27,000	12 247
	80	24.38	63.0	158.4	48.28	22,500	10 206	28,400	12 882	16,200	7 348	22,200	10 070
	90	27.43	59.2	152.8	46.57	18,900	8 573	23,800	10 796	13,200	5 988	18,400	8 346
	100	30.48	55.5	146.4	44.62	15,900	7 212	20,500	9 299	10,800	4 899	15,500	7 031
	110	33.53	51.0	138.9	42.34	13,800	6 169	17,700	8 029	8,900	4 037	13,100	5 942
	120	36.58	46.5	130.1	39.65	11,600	5 262	15,300	6 940	7,400	3 357	11,200	5 080
	130	39.62	41.6	119.8	36.52	10,000	4 536	13,400	6 078	6,100	2 767	9,600	4 355
	140	42.67	36.3	107.4	32.74	8,600	3 901	11,700	5 307	5,000	2 268	8,300	3 765
	150	45.72	30.1	92.1	28.07	7,400	3 357	10,300	4 672	4,100	1 860	7,100	3 221
	160	48.77	22.5	71.9	21.92	6,400	2 903	9,100	4 128	3,300	1 497	6,100	2 767
	170	51.82	10.7	38.4	11.70	5,500	2 495	6,800*	3 084*	2,600	1 179	5,200	2 359
	180' (54.86 m)	35	10.67	79.7	183.9	56.05	72,800*	33 022*	72,800*	33 022*	59,700	27 080	72,800*
40		12.19	78.1	183.0	55.78	62,800	28 486	71,700*	32 523*	48,100	21 818	62,300	28 259
50		15.24	74.8	180.6	55.05	45,000	20 412	55,200	25 039	34,000	15 422	44,600	20 231
60		18.29	71.5	177.5	54.10	34,500	15 649	42,700	19 369	25,400	11 521	33,900	15 377
70		21.34	68.1	173.9	53.00	27,400	12 429	34,200	15 513	20,000	9 072	26,800	12 156
80		24.38	64.7	169.5	51.66	22,300	10 115	28,100	12 746	16,000	7 258	22,000	9 979
90		27.43	61.1	164.4	50.11	18,700	8 482	23,500	10 660	12,900	5 851	18,200	8 256
100		30.48	57.4	158.4	48.28	15,700	7 122	20,200	9 163	10,600	4 808	15,200	6 895
110		33.53	53.5	151.5	46.18	13,300	6 033	17,400	7 893	8,700	3 946	12,900	5 851
120		36.58	49.4	143.6	43.77	11,300	5 126	15,100	6 849	7,100	3 221	11,000	4 990
130		39.62	45.1	134.3	40.93	9,700	4 400	13,100	5 942	5,800	2 631	9,300	4 218
140		42.67	40.4	123.5	37.64	8,300	3 765	11,500	5 216	4,800	2 177	8,000	3 629
150		45.72	35.2	110.6	33.71	7,100	3 221	10,100	4 581	3,800	1 724	6,800	3 084
160		48.77	29.3	94.8	28.90	6,100	2 767	8,900	4 037	3,000	1 361	5,800	2 631
170		51.82	21.9	73.9	22.52	5,200	2 359	7,800	3 538	2,300	1 043	4,900	2 223
180		54.86	10.4	39.3	11.98	4,400	1 996	5,600*	2 540*	-----	-----	4,100	1 860
190' (57.91 m)		36	10.97	80.0	193.9	59.10	63,300*	28 713*	63,300*	28 713*	56,800	25 764	63,300*
	40	12.19	78.8	193.2	58.98	62,600	28 395	63,300*	28 713*	47,900	21 727	62,000	28 123
	50	15.24	75.7	190.9	58.19	44,700	20 276	55,000	24 948	33,800	15 332	44,300	20 094
	60	18.29	72.5	188.0	57.30	34,200	15 513	42,400	19 233	25,200	11 431	33,600	15 241
	70	21.34	69.3	184.6	56.27	27,100	12 293	33,900	15 377	19,800	8 981	26,500	12 020
	80	24.38	66.1	180.5	55.02	22,200	10 070	27,800	12 610	15,700	7 122	21,700	9 843
	90	27.43	62.7	175.5	53.55	18,400	8 346	23,300	10 569	12,700	5 761	17,900	8 119
	100	30.48	59.3	170.2	51.88	15,400	6 985	20,000	9 072	10,300	4 672	15,000	6 804
	110	33.53	55.7	163.8	49.93	13,000	5 897	17,100	7 757	8,400	3 810	12,600	5 715
	120	36.58	52.0	156.6	47.70	11,100	5 035	14,800	6 713	6,900	3 130	10,700	4 854
	130	39.62	48.0	148.1	45.14	9,400	4 264	12,800	5 806	5,400	2 449	9,100	4 128
	140	42.67	43.8	138.4	42.18	8,100	3 674	11,200	5 080	4,500	2 041	7,700	3 493
	150	45.72	39.3	127.1	38.74	6,900	3 130	9,800	4 445	3,600	1 633	6,600	2 994
	160	48.77	34.3	113.8	34.69	5,800	2 631	8,600	3 901	2,800	1 270	5,500	2 495
	170	51.82	28.5	97.3	29.66	5,000	2 268	7,500	3 402	2,000	907	4,700	2 132
	180	54.86	21.3	75.8	23.10	4,200	1 905	6,600	2 994	-----	-----	3,900	1 769
	190	57.91	10.1	40.2	12.25	3,400	1 542	4,500*	2 041*	-----	-----	3,200	1 452
200' (60.96 m)	38	11.58	79.9	203.7	62.09	56,000*	25 402*	56,000*	25 402*	51,800	23 496	56,000*	25 402*
	40	12.19	79.3	203.4	62.00	56,000*	25 402*	56,000*	25 402*	47,700	21 637	56,000*	25 402*
	50	15.24	76.4	201.2	61.33	44,700	20 276	52,900*	23 995*	33,500	15 196	44,100	20 004
	60	18.29	73.4	198.5	60.50	34,000	15 422	42,200	19 142	24,900	11 295	33,400	15 150
	70	21.34	70.4	195.2	59.50	26,800	12 156	33,700	15 286	19,500	8 845	26,300	11 930
	80	24.38	67.3	191.4	58.34	22,000	9 979	27,600	12 519	15,400	6 985	21,500	9 752
	90	27.43	64.2	186.9	56.97	18,100	8 210	23,000	10 433	12,400	5 625	17,700	8 029
	100	30.48	61.0	181.7	55.38	15,100	6 849	19,700	8 936	10,000	4 536	14,700	6 668
	110	33.53	57.6	175.8	53.58	12,800	5 806	16,800	7 620	8,100	3 674	12,300	5 579
	120	36.58	54.2	169.0	51.51	10,800	4 899	14,500	6 577	6,600	2 994	10,400	4 717
	130	39.62	50.6	161.3	49.16	9,200	4 173	12,600	5 715	5,300	2 404	8,800	3 992
	140	42.67	46.7	152.5	46.48	7,800	3 538	10,900	4 944	4,200	1 905	7,400	3 357
	150	45.72	42.7	142.4	43.40	6,600	2 994	9,500	4 309	3,200	1 452	6,300	2 858
	160	48.77	38.3	130.7	39.84	5,600	2 540	8,300	3 765	2,500	1 134	5,300	2 404
	170	51.82	33.4	116.8	35.60	4,700	2 132	7,200	3 266	-----	-----	4,400	1 996
	180	54.86	27.7	99.8	30.42	3,900	1 769	6,300	2 858	-----	-----	3,600	1 633
	190	57.91	20.7	77.6	23.65	3,200	1 452	5,400	2 449	-----	-----	2,900	1 315
200	60.96	9.9	41.1	12.63	2,500	1 134	3,400*	1 542*	-----	-----	2,300	1 043	

① Measured vertically from center of boom head sheave to ground

# HC-228H Lift Crane Capacities

**Boom - Tubular**

70" (1.77 m) wide and 62" (1.57 m) deep with open throat top section; with 26" (7.92 m) live mast and 1-3/8" (35 mm) diameter boom pendants.

**Mounting - Link-Belt carrier:**

8 x 4 drive, 260" (6.60 m) wheelbase 11' 0" (3.35 m) wide.

**Counterweights:**

Cwt. "A": 23,000 lbs. (10 433 kg)

Cwt. "B": 19,330 lbs. (8 768 kg)

Bumper Cwt. "A": 13,500 lbs. (6 124 kg)

Length	Boom					Over Rear				360°			
	Radius		Angle	Boom Pt. Height <sup>①</sup>		"A + A" Cwt.		"AB + A" Cwt.		"A + A" Cwt.		"AB + A" Cwt.	
	feet	meters	degree	feet	meters	pounds	kilograms	pounds	kilograms	pounds	kilograms	pounds	kilograms
210' (64.01 m)	40	12.19	79.8	213.5	65.07	49,800*	22 589*	49,800*	22 589*	47,500	21 546	49,800*	22 589*
	50	15.24	77.1	211.5	64.47	44,500	20 185	47,000*	21 319*	33,300	15 105	43,900	19 913
	60	18.29	74.2	208.9	63.67	33,700	15 286	41,700*	18 915*	24,700	11 204	33,100	15 014
	70	21.34	71.4	205.8	62.73	26,600	12 066	33,400	15 150	19,300	8 754	26,000	11 794
	80	24.38	68.5	202.2	61.63	21,700	9 843	27,300	12 383	15,200	6 895	21,200	9 616
	90	27.43	65.5	197.9	60.32	17,900	8 119	22,700	10 297	12,100	5 489	17,400	7 893
	100	30.48	62.5	193.0	58.83	14,900	6 759	19,400	8 800	9,800	4 445	14,400	6 532
	110	33.53	59.4	187.5	57.15	12,500	5 670	16,600	7 530	7,900	3 583	12,100	5 489
	120	36.58	56.1	181.2	55.23	10,500	4 762	14,200	6 441	6,300	2 858	10,100	4 581
	130	39.62	52.8	174.0	53.04	8,900	4 037	12,300	5 579	5,000	2 268	8,500	3 856
	140	42.67	49.3	165.9	50.57	7,500	3 402	10,700	4 854	3,900	1 769	7,200	3 266
	150	45.72	45.6	156.7	47.76	6,300	2 858	9,200	4 173	3,000	1 361	6,000	2 722
	160	48.77	41.6	146.2	44.56	5,300	2 404	8,000	3 629	2,200	998	5,000	2 268
	170	51.82	37.3	134.1	40.87	4,400	1 996	6,900	3 130	-----	-----	4,100	1 860
180	54.86	32.5	119.8	36.52	3,600	1 633	6,000	2 722	-----	-----	3,300	1 497	
190	57.91	27.0	102.3	31.18	2,900	1 315	5,200	2 359	-----	-----	2,600	1 179	
200	60.96	20.2	79.4	24.20	2,300	1 043	4,400	1 996	-----	-----	2,000	907	
210	64.01	9.6	41.9	12.77	-----	-----	2,400*	1 089*	-----	-----	-----	-----	
220' (67.06 m)	42	12.80	79.8	223.3	68.06	-----	-----	43,900*	19 913*	-----	-----	43,900*	19 913*
	50	15.24	77.7	221.7	67.57	-----	-----	41,300*	18 734*	-----	-----	41,300*	18 734*
	60	18.29	75.0	219.3	66.84	-----	-----	37,200*	16 874*	-----	-----	32,900	14 923
	70	21.34	72.3	216.3	65.93	-----	-----	33,100	15 014	-----	-----	25,700	11 658
	80	24.38	69.5	212.9	64.89	-----	-----	27,000	12 247	-----	-----	20,900	9 480
	90	27.43	66.7	208.9	63.67	-----	-----	22,400	10 161	-----	-----	17,100	7 757
	100	30.48	63.8	204.3	62.27	-----	-----	19,200	8 709	-----	-----	14,200	6 441
	110	33.53	60.9	199.0	60.66	-----	-----	16,300	7 394	-----	-----	11,800	5 352
	120	36.58	57.9	193.1	58.86	-----	-----	14,000	6 350	-----	-----	9,900	4 490
	130	39.62	54.7	186.4	56.81	-----	-----	12,000	5 443	-----	-----	8,200	3 720
	140	42.67	51.5	178.9	54.53	-----	-----	10,400	4 717	-----	-----	6,900	3 130
	150	45.72	48.1	170.5	51.97	-----	-----	9,000	4 082	-----	-----	5,700	2 586
	160	48.77	44.5	160.9	49.04	-----	-----	7,700	3 493	-----	-----	4,700	2 132
	170	51.82	40.6	150.0	45.72	-----	-----	6,700	3 039	-----	-----	3,800	1 724
180	54.86	36.4	137.4	41.88	-----	-----	5,700	2 586	-----	-----	3,000	1 361	
190	57.91	31.8	122.6	37.37	-----	-----	4,900	2 223	-----	-----	2,400	1 089	
200	60.96	26.4	104.7	31.91	-----	-----	4,100	1 860	-----	-----	-----	-----	
210	64.01	19.8	81.2	24.75	-----	-----	3,500	1 588	-----	-----	-----	-----	
220	67.06	9.4	42.7	13.01	-----	-----	-----	-----	-----	-----	-----	-----	
230' (70.10 m)	43	13.11	80.0	233.3	71.11	-----	-----	39,000*	17 690*	-----	-----	39,000*	17 690*
	50	15.24	78.2	232.0	70.71	-----	-----	37,000*	16 783*	-----	-----	37,000*	16 783*
	60	18.28	75.6	229.6	69.98	-----	-----	33,300*	15 105*	-----	-----	32,600	14 787
	70	21.34	73.1	226.8	69.13	-----	-----	30,000*	13 608*	-----	-----	25,500	11 567
	80	24.38	70.4	223.5	68.12	-----	-----	26,700	12 111	-----	-----	20,700	9 390
	90	27.43	67.8	219.7	66.96	-----	-----	22,100	10 025	-----	-----	16,900	7 666
	100	30.48	65.0	215.3	65.62	-----	-----	18,900	8 573	-----	-----	13,900	6 305
	110	33.53	62.3	210.4	64.13	-----	-----	16,000	7 258	-----	-----	11,500	5 216
	120	36.58	59.4	204.8	62.42	-----	-----	13,700	6 214	-----	-----	9,600	4 355
	130	39.62	56.5	198.5	60.50	-----	-----	11,700	5 307	-----	-----	8,000	3 629
	140	42.67	53.4	191.5	58.37	-----	-----	10,100	4 581	-----	-----	6,600	2 994
	150	45.72	50.3	183.7	55.99	-----	-----	8,700	3 946	-----	-----	5,400	2 449
	160	48.77	46.9	174.9	53.31	-----	-----	7,400	3 357	-----	-----	4,400	1 996
	170	51.82	43.4	164.9	50.26	-----	-----	6,400	2 903	-----	-----	3,500	1 588
180	54.86	39.7	153.6	46.82	-----	-----	5,400	2 449	-----	-----	2,800	1 270	
190	57.91	35.6	140.7	42.89	-----	-----	4,600	2 087	-----	-----	2,100	953	
200	60.96	31.0	125.4	38.22	-----	-----	3,800	1 724	-----	-----	-----	-----	
210	64.01	25.8	107.0	32.61	-----	-----	3,200	1 452	-----	-----	-----	-----	
220	67.06	19.3	82.9	25.27	-----	-----	2,600	1 179	-----	-----	-----	-----	
230	70.10	9.2	43.6	13.29	-----	-----	-----	-----	-----	-----	-----	-----	
240' (73.15 m)	45	13.72	79.9	243.1	74.10	-----	-----	34,900*	15 831*	-----	-----	34,900*	15 831*
	50	15.24	78.7	242.2	73.82	-----	-----	33,100*	15 014*	-----	-----	33,100*	15 014*
	60	18.28	76.2	239.9	73.12	-----	-----	29,800*	13 517*	-----	-----	29,800*	13 517*
	70	21.34	73.8	237.3	72.33	-----	-----	26,800*	12 156*	-----	-----	25,200	11 431
	80	24.38	71.3	234.1	71.35	-----	-----	24,200*	10 977*	-----	-----	20,400	9 253
	90	27.43	68.7	230.5	70.26	-----	-----	21,000*	9 526*	-----	-----	16,600	7 530
	100	30.48	66.1	226.3	68.98	-----	-----	18,600	8 437	-----	-----	13,600	6 169
	110	33.53	63.5	221.6	67.54	-----	-----	15,700	7 122	-----	-----	11,200	5 080
	120	36.58	60.8	216.3	65.93	-----	-----	13,400	6 078	-----	-----	9,300	4 218
	130	39.62	58.0	210.4	64.13	-----	-----	11,400	5 171	-----	-----	7,700	3 493
	140	42.67	55.2	203.8	62.19	-----	-----	9,800*	4 445*	-----	-----	6,300*	2 858*
	150	45.72	52.2	196.5	59.69	-----	-----	8,400	3 810	-----	-----	5,100	2 313
	160	48.77	49.1	188.3	57.39	-----	-----	7,200	3 266	-----	-----	4,100	1 860
	170	51.82	45.9	179.1	54.59	-----	-----	6,100	2 787	-----	-----	3,200	1 452
180	54.86	42.5	168.8	51.45	-----	-----	5,100	2 313	-----	-----	2,500	1 134	
190	57.91	38.8	157.2	47.91	-----	-----	4,300	1 950	-----	-----	-----	-----	
200	60.96	34.8	143.8	43.83	-----	-----	3,400*	1 542*	-----	-----	-----	-----	
210	64.01	30.4	128.2	39.08	-----	-----	2,200*	998	-----	-----	-----	-----	
220	67.06	25.3	109.2	33.28	-----	-----	-----	-----	-----	-----	-----	-----	
230	70.10	18.9	84.6	25.79	-----	-----	-----	-----	-----	-----	-----	-----	
240	73.15	9.0	44.3	13.50	-----	-----	-----	-----	-----	-----	-----	-----	

① Measured vertically from center of boom head sheave to ground

**WARNING AND OPERATING INSTRUCTIONS**

Read and understand these operating instructions and the chart values before operating crane. Operation which does not follow these instructions may result in an accident.

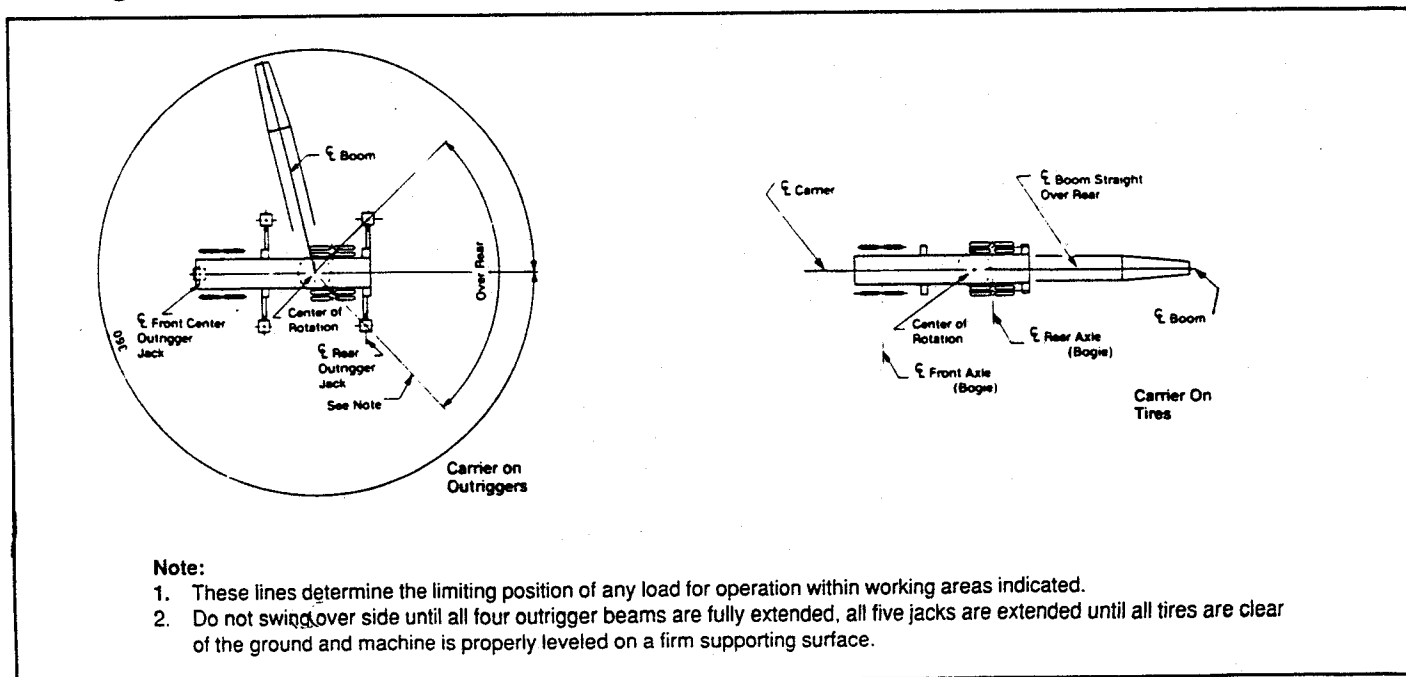
**General:**

1. Rated lifting capacities as shown on lift chart pertain to this machine as originally manufactured and normally equipped by Link-Belt Construction Equipment Company. Modifications to the machine 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 this machine must be in compliance with the information in the operator's, parts and safety manuals supplied with the machine. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.

**Lifting Crane Notes:**

1. Capacities shown are not more 85% of the tipping loads with machine standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook, sling, grapple, load weighing devices, etc. When using main hook while jib is attached reduce capacities by values shown on jib capacity chart. See operator's manual for all limitations when raising or lowering attachment.
2. For recommended reeving, parts of line, wire rope type and wire rope inspection, see operator's manual and parts manual.
3. For lifting 250,000 lb. (113 400 kg) capacity, 12 part load hoist line (7/8" - 22.23 mm - dia., type "N" wire rope) is required.
4. Do not swing over side until all four outrigger beams are fully extended, all five jacks are extended until all tires are clear of the ground and machine is properly leveled on a firm supporting surface.
5. The least stable rated condition is over the side.
6. The jib cannot be used on a boom longer than 210' (64.01 m). For boom-jib combination see plate no. C4P0002.
7. Maximum boom length without jib is 240' (73.15 m).
8. These capacities apply only to the machine as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.
9. Machine equipped with "A" or "AB" upper counterweight - do not swing over side until outriggers have been set.
10. Capacity columns headed "A + A" indicate 23,000 lb. (10 433 kg) "A" upper counterweight with 13,500 lb. (6 124 kg) "A" bumper counterweight.
11. Capacity columns headed "AB + A" indicate 42,330 lb. (19 201 kg) "AB" upper counterweight with 13,500 lb. (6 124 kg) "A" bumper counterweight.
12. Load ratings shown on this chart are based on freely suspended loads and make no allowance for such factors as the effect of wind, ground conditions and operating speeds. The operator therefore shall reduce load ratings in order to take these conditions into account.

**Working Areas**



**Working Range**

