



Link-Belt® HC-218A lifting crane capacities — open throat boom

PCSA Class 12-470
Refer to Notes page 10.

Boom — tubular: 60" (1.52 m) wide, 50" (1.27 m) deep with open throat top section, 1½" (35 mm) diameter boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular: 32" (0.81 m) wide, 24" (0.61 m) deep.

Counterweights — Refer to charts below.

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

Counterweights					
"A" upper		"AB" upper		"A" bumper	
Pounds	kilograms	Pounds	kilograms	Pounds	kilograms
21,000	9 526	33,000	14 969	13,500	6 124

Open throat boom and boom + jib machine can lift off ground unassisted, without load ①.

Standard HC-218A must be equipped with the counterweight combinations below when indicated boom and 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
"A" upper and "A" bumper	Minimum	40	12.19	Not applicable		40	12.19	Not applicable	
	Maximum	220	67.06			180	54.86		
"AB" upper and "A" bumper	Minimum	40	12.19	40 + 30	12.19 + 9.14	40	12.19	40 + 30	12.19 + 9.14
	Maximum	230	70.10	200 + 60	60.96 + 18.29	200	60.96	170 + 60	51.82 + 18.29
On tires ②									
"A" upper and "A" bumper	Minimum	40	12.19	Not applicable		40	12.19	Not applicable	
	Maximum	160	48.77			120	36.58		

① Limited to 95% of available stability with machine standing level on firm supporting surface.

② Air pressure in tires to be 100 p.s.i. (690 kPa).

Machine travel with open throat boom or boom + jib, with no load ①.

Standard HC-218A must be equipped with the counterweight combinations below when the indicated boom and boom + jib lengths are used.	Minimum/maximum boom or boom + jib lengths allowed	On tires ②							
		Jobsite moves at 1 m.p.h. (1.61 km/h), boom at 80° boom angle, upper facing rear only.				Over the road travel at 5 m.p.h. (8.05 km/h), boom horizontal and supported with standard suspension, and boom live mast pinned in 24' (7.32 m) position.			
		Boom		Boom + jib		Boom		Boom + jib	
		Feet	meters	Feet	meters	Feet	meters	Feet	meters
"A" upper and "A" bumper	Minimum	40	12.19	Not applicable		40	12.19	Not applicable	
	Maximum	220	67.06			130	39.62		
"AB" upper and "A" bumper	Minimum	40	12.19	40 + 30	12.19 + 9.14	40	12.19	40 + 30	12.19 + 9.14
	Maximum	230	70.10	200 + 60	60.96 + 18.29	150	45.72	120 + 60	36.58 + 18.29

① Limited to 85% of available stability with machine standing level on firm supporting surface.

② Air pressure in front and rear tires to be 100 p.s.i. (690 kPa).

Note: Hook block may be carried only when attached to mounting.

GENERAL INFORMATION ONLY



PCSA Class 70
Refer to Notes page 7.



HC-218A Lifting crane capacities — open throat boom

Boom — tubular: 60" (1.57 m) wide, 50" (1.27 m) deep with open throat top section, 1 3/8" (35 mm) boom pendants, boom live mast, and boom midpoint suspension pendants as required.

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

Counterweights — Refer to charts page 1.

HC-218A open throat boom					"A" upper & "A" bumper ① counterweights					"AB" upper & "A" bumper counterweights							
Length	Radius		Angle	Boom point height ③		On outriggers			On tires (static)			On outriggers only					
	Feet	meters		Feet	meters	Pounds	kilograms	Over rear	Pounds	kilograms	Over side	Pounds	kilograms	Over rear	Pounds	kilograms	Over side and 360° swing ⑤
40' (12.19 m)	12	3.66	77.7	46' 5"	14.15	192,200	87 180*	192,200	87 180*	88,400	40 097*	67,000	30 390*	200,000*	90 718*	200,000*	90 718*
	13	3.96	76.3	46' 2"	14.08	180,100	81 691*	180,000*	81 646*	85,500	38 782*	62,700*	28 440*	187,300*	84 957*	187,300*	84 957*
	14	4.27	74.8	45' 11"	14.00	169,300	76 793*	166,500*	75 523*	82,800	37 557*	58,900*	26 716*	176,200*	79 922*	176,200*	79 922*
	15	4.57	73.3	45' 8"	13.92	159,600	72 393*	155,000*	70 306*	80,300	36 423*	55,400*	25 129*	166,100*	75 341*	165,600*	75 114*
	16	4.88	71.8	45' 4"	13.82	151,100	68 537*	145,000*	65 770*	78,000	35 380*	52,400*	23 768*	157,300*	71 350*	155,100*	70 352*
	17	5.18	70.3	45' 0"	13.72	143,300	64 999*	136,500*	61 915*	75,800	34 382*	49,600*	22 498*	149,200*	67 675*	146,000*	66 224*
	18	5.49	68.7	44' 8"	13.60	136,300	61 824*	129,200*	58 604*	73,800	33 475*	47,000*	21 318*	141,900*	64 364*	138,000*	62 595*
	19	5.79	67.2	44' 3"	13.48	130,000	58 967*	122,700*	55 655*	71,900	32 613*	44,800*	20 320*	135,300*	61 371*	131,200*	59 511*
	20	6.10	65.6	43' 9"	13.35	124,100	56 290*	116,900*	53 024*	70,200	31 842*	42,700*	19 368*	129,200*	58 604*	125,000*	56 699*
	25	7.62	57.5	41' 1"	12.52	101,100	45 858*	99,000	40 369	53,300	24 176	31,500	14 288	105,300*	47 763*	101,500*	46 039*
	30	9.14	48.5	37' 4"	11.37	85,100	38 600*	65,500	29 710	42,300	19 186	24,500	11 113	88,700*	40 233*	77,200	35 017
	35	10.67	38.0	32' 0"	9.75	71,300	32 341	51,400	23 314	34,700	15 739	19,800	8 981	76,300*	34 609*	60,800	27 578
40	12.19	24.1	23' 9"	7.23	58,500	26 535	41,900	19 005	29,200	13 244	16,300	7 393	60,800*	27 578*	49,800	22 588	
50' (15.24 m)	12	3.66	80.2	56' 7"	17.26	191,800*	86 999*	191,800*	86 999*	88,000*	39 916*	68,800*	30 299*	197,000*	89 357*	197,000*	89 357*
	13	3.96	79.0	56' 5"	17.20	179,700*	81 510*	179,700*	81 510*	85,100*	38 600*	62,500*	28 349*	186,900*	84 776*	186,900*	84 776*
	14	4.27	77.9	56' 3"	17.14	168,900*	76 611*	166,300*	75 432*	82,400*	37 376*	58,600*	26 580*	175,800*	79 741*	175,800*	79 741*
	15	4.57	76.7	56' 0"	17.07	159,200*	72 211*	154,800*	70 216*	79,900*	36 242*	55,200*	25 038*	165,800*	75 205*	165,400*	75 024*
	16	4.88	75.5	55' 9"	17.00	150,800*	68 401*	144,800*	65 680*	77,600*	35 198*	52,100*	23 632*	156,900*	71 168*	154,900*	70 261*
	17	5.18	74.3	55' 6"	16.91	143,000*	64 863*	136,300*	61 824*	75,400*	34 200*	49,300*	22 362*	148,800*	67 494*	145,800*	66 133*
	18	5.49	73.1	55' 2"	16.83	135,900*	61 643*	129,100*	58 558*	73,400*	33 293*	46,800*	21 228*	141,500*	64 183*	137,800*	62 505*
	19	5.79	71.9	54' 11"	16.73	129,700*	58 830*	122,500*	55 565*	71,600*	32 477*	44,600*	20 230*	135,000*	61 234*	131,000*	59 420*
	20	6.10	70.7	54' 7"	16.63	123,800*	56 154*	116,700*	52 934*	69,800*	31 660*	42,500*	19 277*	128,900*	58 468*	124,800*	56 608*
	25	7.62	64.5	52' 6"	16.00	100,900*	45 767*	89,400	40 551	53,400	24 221	31,600	14 333	105,100*	47 672*	101,400*	45 994*
	30	9.14	58.0	49' 9"	15.16	84,900*	38 509*	65,800	29 846	42,300	19 186	24,600	11 158	88,500*	40 142*	77,500	35 153
	35	10.67	50.9	46' 2"	14.08	71,500	32 431	51,600	23 405	34,800	15 785	19,900	9 026	74,500*	33 792*	61,100	27 714
40	12.19	43.1	41' 6"	12.66	58,800	26 671	42,200	19 141	29,300	13 290	16,400	7 438	64,200*	29 120*	50,000	22 679	
50	15.24	21.6	25' 9"	7.84	42,800	19 413	30,300	13 743	21,800	9 888	11,700	5 307	48,300*	21 908*	36,200	16 420	
60' (18.29 m)	13	3.96	80.9	66' 7"	20.30	179,600*	81 465*	179,600*	81 465*	84,900*	38 509*	62,400*	28 304*	182,400*	82 738*	182,400*	82 735*
	14	4.27	79.9	66' 5"	20.25	168,700*	76 521*	166,400*	75 477*	82,100*	37 239*	58,600*	26 580*	175,600*	79 650*	175,600*	79 650*
	15	4.57	78.9	66' 3"	20.19	159,100*	72 166*	154,900*	70 261*	79,600*	36 105*	55,200*	25 038*	165,600*	75 114*	165,400*	75 024*
	16	4.88	78.0	66' 0"	20.13	150,600*	68 311*	144,800*	65 680*	77,300*	35 062*	52,100*	23 632*	156,800*	71 123*	154,900*	70 261*
	17	5.18	77.0	65' 10"	20.06	142,800*	64 773*	136,300*	61 824*	75,200*	34 110*	49,300*	22 362*	148,700*	67 449*	145,800*	66 133*
	18	5.49	76.0	65' 7"	19.99	135,900*	61 643*	129,100*	58 558*	73,200*	33 202*	46,700*	21 182*	141,400*	64 137*	137,900*	62 550*
	19	5.79	75.0	65' 4"	19.91	129,500*	58 740*	122,600*	55 610*	71,300*	32 341*	44,600*	20 230*	134,900*	61 189*	131,000*	59 420*
	20	6.10	74.0	65' 0"	19.82	123,700*	56 109*	116,700*	52 934*	69,500*	31 524*	42,500*	19 277*	128,800*	58 422*	124,800*	56 608*
	25	7.62	69.0	63' 4"	19.31	100,700*	45 676*	89,900	40 777	53,600	24 312	31,800	14 424	104,900*	47 581*	101,300*	45 948*
	30	9.14	63.8	61' 2"	18.65	84,800*	38 464*	66,200	30 027	42,500	19 277	24,700	11 203	88,300*	40 052*	77,900	35 334
	35	10.67	58.3	58' 5"	17.81	71,800	32 567	51,900	23 541	34,900	15 830	20,000	9 071	75,900*	34 427*	61,400	27 850
	40	12.19	52.5	55' 0"	16.76	59,000	26 762	42,500	19 277	29,400	13 335	16,500	7 484	66,600*	30 209*	50,200	22 770
50	15.24	39.2	45' 3"	13.80	43,000	19 504	30,500	13 834	21,900	9 933	11,800	5 352	48,800	22 135	36,400	16 510	
60	18.29	19.7	27' 7"	8.40	33,300	15 104	23,300	10 568	17,000	7 711	8,700	3 946	38,000	17 236	28,000	12 700	
70' (21.34 m)	15	4.57	80.5	76' 5"	23.29	158,500*	71 894*	154,400*	70 034*	79,100*	35 879*	54,700*	24 811*	160,000*	72 574*	160,000*	72 574*
	16	4.88	79.7	76' 3"	23.23	150,100*	68 084*	144,400*	65 498*	76,800*	34 835*	51,600*	23 405*	155,600*	70 578*	154,500*	70 080*
	17	5.18	78.9	76' 0"	23.18	142,300*	64 546*	135,900*	61 643*	74,700*	33 883*	48,900*	22 180*	148,200*	67 222*	145,400*	65 952*
	18	5.49	78.0	75' 10"	23.11	135,500*	61 461*	128,700*	58 377*	72,700*	32 976*	46,300*	21 001*	140,900*	63 911*	137,400*	62 323*
	19	5.79	77.2	75' 7"	23.05	129,100*	58 558*	122,200*	55 428*	70,800*	32 114*	44,200*	20 048*	134,400*	60 962*	130,600*	59 239*
	20	6.10	76.4	75' 5"	22.98	123,200*	55 882*	116,300*	52 752*	69,000*	31 297*	42,100*	19 096*	128,300*	58 195*	124,400*	56 426*

Ⓢ Ⓢ Ⓢ — Refer to page 7.

GENERAL INFORMATION ONLY



HC-218A open throat boom				"A" upper & "A" bumper ① counterweights						"AB" upper & "A" bumper counterweights					
Length	Radius	Angle	Boom point height ③		On outriggers			On tires (static)			On outriggers only			Over side and 360° swing ③	
			Feet	Meters	Pounds	kilograms	Over side and 360° swing ③	Pounds	kilograms	Over rear	Pounds	kilograms	Over rear	Pounds	kilograms
70' (21.34 m)	25	7.62	72.1	22.54	100,300*	45,495*	40,823	53,400	24,221	14,378	104,500*	47,400*	101,000*	45,812*	
	30	9.14	67.8	21.99	84,400*	38,283*	30,027	42,300	19,186	11,158	87,900*	39,870*	77,900	35,334	
	35	10.67	63.3	21.29	71,800	32,567	25,900	34,700	15,739	9,026	75,600*	34,291*	61,300	27,805	
	40	12.19	58.6	20.45	59,000	26,761	19,232	29,200	13,244	7,438	66,200*	30,027*	50,200	22,770	
	50	15.24	48.4	18.19	42,900	19,459	13,834	21,800	9,888	5,307	48,800	22,135	36,400	16,510	
	60	18.29	36.2	14.84	33,300	15,104	10,568	17,000	7,711	3,800	38,000	17,236	28,000	12,700	
	70	21.34	18.2	8.90	26,800	12,156	8,391	13,500	6,123	2,902	30,700	13,925	22,400	10,160	
80' (24.38 m)	17	5.18	80.3	26.27	141,600*	64,228*	61,552*	74,100*	33,611*	21,953*	141,600*	64,228*	141,600*	64,228*	
	18	5.49	79.6	26.22	134,900*	61,189*	58,195*	72,100*	32,704*	20,819*	138,800*	62,958*	137,000*	62,142*	
	19	5.79	78.8	26.16	128,500*	58,286*	55,202*	70,200*	31,842*	19,867*	133,900*	60,736*	130,200*	59,057*	
	20	6.10	78.1	26.10	122,700*	55,655*	52,571*	68,500*	31,071*	18,914*	127,800*	57,969*	123,900*	56,200*	
	25	7.62	74.4	25.73	99,800*	45,268*	40,823	53,200	24,131	14,288	104,000*	47,173*	100,600*	45,631*	
	30	9.14	70.7	25.25	83,900*	38,056*	30,027	42,100	19,096	11,067	87,500*	39,689*	77,800	35,289	
	35	10.67	66.8	24.65	71,600	32,477	23,496	34,500	15,648	8,935	74,900*	33,974*	61,200	27,759	
90' (27.43 m)	40	12.19	62.9	23.94	58,900	26,716	19,186	29,000	13,154	7,348	64,400*	29,211*	50,100	22,724	
	50	15.24	45.5	22.08	42,800	19,413	13,743	21,600	9,797	5,216	48,600	22,044	36,200	16,420	
	60	18.29	45.1	22.08	33,100	15,013	10,477	16,800	7,620	3,810	37,800	17,145	27,900	12,655	
	70	21.34	33.8	15.80	26,600	12,065	8,346	13,400	6,078	2,857	30,600	13,879	22,300	10,115	
	80	24.38	17.0	9.37	22,000	9,979	6,758	10,900	4,944	2,131	25,400	11,521	18,300	8,300	
	18	5.49	80.7	29.31	127,700*	57,923*	57,923*	71,500*	32,431*	20,593*	127,700*	57,923*	127,700*	57,923*	
	19	5.79	80.1	29.26	125,500*	56,925*	54,975*	69,700*	31,615*	19,685*	125,500*	56,925*	125,500*	56,925*	
100' (30.48 m)	20	6.10	79.4	29.21	122,100*	55,383*	52,344*	67,900*	30,798*	18,688*	123,300*	55,927*	123,300*	55,927*	
	25	7.62	76.2	28.88	99,300*	45,041*	40,777	53,000	24,004	14,197	103,500*	46,946*	100,100*	45,404*	
	30	9.14	72.9	28.46	83,500*	37,874*	29,982	41,900	19,005	10,976	87,000*	39,462*	77,700	35,244	
	35	10.67	69.5	27.94	71,500	32,431	23,450	34,300	15,558	8,845	73,100*	33,157*	61,100	27,714	
	40	12.19	66.1	27.32	58,700	26,625	19,141	28,800	13,063	7,257	62,800*	28,485*	49,900	22,634	
	50	15.24	58.9	25.73	42,600	19,323	13,698	21,400	9,706	5,125	47,900*	21,727*	36,100	16,374	
	60	18.29	51.1	25.73	32,900	14,923	10,432	16,600	7,529	3,719	37,700	17,100	27,700	12,564	
110' (33.53 m)	70	21.34	42.4	20.72	26,500	12,020	8,255	13,200	5,987	2,766	30,400	13,789	22,200	10,069	
	80	24.38	31.8	16.69	21,900	9,933	6,713	10,700	4,853	2,041	25,200	11,430	18,100	8,210	
	90	27.43	16.0	9.82	18,400	8,346	5,488	8,700	3,946	1,496	21,300	9,661	15,100	6,849	
	20	6.10	80.5	32.30	114,900*	52,117*	52,117*	67,600*	30,662*	18,506*	114,900*	52,117*	114,900*	52,117*	
	25	7.62	77.6	32.01	98,800*	44,814*	40,777	52,700	23,904	14,106	103,000*	46,720*	99,700*	45,223*	
	30	9.14	74.6	31.63	83,000*	37,648*	29,891	41,700	18,914	10,840	86,600*	39,281*	77,600	35,198	
	35	10.67	71.6	31.17	71,100*	32,250*	23,360	34,000	15,422	8,708	71,700*	32,522*	60,900	27,623	
110' (33.53 m)	40	12.19	68.6	30.62	58,500	26,535	19,050	28,500	12,927	7,121	61,500*	27,895*	49,700	22,543	
	50	15.24	62.3	29.22	42,500	19,277	13,607	21,200	9,616	4,989	46,700*	21,182*	35,900	16,283	
	60	18.29	55.6	29.39	32,700	14,832	10,296	16,300	7,393	3,628	37,400	16,964*	27,500	12,473	
	70	21.34	48.3	25.00	26,200	11,884	8,164	12,900	5,851	2,630	30,200	13,698	22,000	9,979	
	80	24.38	40.1	21.87	21,700	9,842	6,622	10,400	4,717	1,950	25,000	11,339	17,900	8,119	
	90	27.43	30.1	17.53	18,500	8,255	5,443	8,500	3,855	1,360	21,200	9,616	14,900	6,758	
	100	30.48	15.2	10.23	15,200	7,030	4,490	7,000	3,175	952	18,100	8,210	12,500	5,669	
110' (33.53 m)	25	7.62	78.7	35.12	97,700*	44,315*	40,777	52,600	23,858	14,016	97,700*	44,315*	97,700*	44,315*	
	30	9.14	76.1	34.78	82,600*	37,466*	29,891	41,500	18,824	10,795	85,600*	38,827*	77,500	35,153	
	35	10.67	73.4	34.36	70,600*	32,023*	23,314	33,900	15,376	8,663	70,600*	32,023*	60,900	27,623	
	40	12.19	70.6	33.87	58,400	26,489	19,005	28,300	12,836	7,076	60,500*	27,442*	49,600	22,498	
	50	15.24	65.0	32.63	42,300	19,186	13,562	21,000	9,525	4,944	45,900*	20,819*	35,800	16,238	
	60	18.29	59.1	31.01	32,600	14,787	10,251	16,200	7,348	3,538	37,000*	16,782*	27,300	12,383	
	70	21.34	52.8	28.95	26,100	11,838	8,119	12,800	5,805	2,585	30,000	13,607	21,900	9,933	
110' (33.53 m)	80	24.38	45.9	26.33	21,600	9,797	6,577	10,300	4,672	1,859	24,800	11,249	17,800	8,073	
	90	27.43	38.2	22.95	18,100	8,210	5,397	8,400	3,810	1,315	21,100	9,570	14,800	6,713	
	100	30.48	28.7	18.33	15,400	6,985	4,445	6,800	3,084	—	18,000	8,164	12,500	5,669	
110	33.53	14.5	10.63	10.63	13,200	5,987	3,719	5,600	2,540	—	15,500	7,030	10,500	4,762	

① ② ③ — Refer to page 7.

(continued)



218A open throat boom

Length	218A open throat boom				"A" upper & "A" bumper counterweights						"AB" upper & "A" bumper counterweights					
	Feet	Radius meters	Angle Degrees	Boom point height meters	On outriggers			On tires (static)			On outriggers only					
					Pounds	kilograms	Over side and 360° swing kilograms	Pounds	kilograms	Over rear	Pounds	kilograms	Over side and 360° swing kilograms	Pounds	kilograms	Over side and 360° swing kilograms
120' (36.58 m)	25	7.62	79.7	38.22	89,500*	40,596*	52,400	23,768	30,800	13,970	89,500*	40,596*	52,400	23,768	30,800	13,970
	30	9.14	77.2	37.91	82,200*	37,285*	41,300	18,733	23,600	10,704	83,800*	38,011*	41,300	18,733	23,600	10,704
	35	10.67	74.8	37.53	69,600*	31,570*	33,700	15,286	18,900	8,572	69,600*	31,570*	33,700	15,286	18,900	8,572
	40	12.19	72.3	37.08	58,300	26,444	28,200	12,791	15,400	6,985	59,600*	27,034*	28,200	12,791	15,400	6,985
	50	15.24	67.2	35.96	42,200	19,141	20,800	9,434	10,700	4,853	43,500*	20,593*	20,800	9,434	10,700	4,853
	60	18.29	61.9	34.51	32,500	14,741	16,000	7,257	7,600	3,447	33,800*	16,465*	16,000	7,257	7,600	3,447
	70	21.34	56.3	32.69	26,000	11,793	12,600	5,715	5,500	2,494	27,300*	13,517*	12,600	5,715	5,500	2,494
	80	24.38	50.4	30.42	21,500	9,752	10,100	4,581	3,900	1,769	22,000*	11,203*	10,100	4,581	3,900	1,769
	90	27.43	43.9	27.59	18,000	8,164	8,200	3,719	2,700	1,224	19,500*	9,480*	8,200	3,719	2,700	1,224
	100	30.48	36.5	23.98	15,200	6,894	6,700	3,039	—	—	17,900*	8,119*	6,700	3,039	—	—
	110	33.53	27.4	19.09	13,100	5,942	5,400	2,449	—	—	15,400*	6,985*	5,400	2,449	—	—
	120	36.58	13.9	11.01	11,300	5,125	4,400	1,995	—	—	13,400*	6,078*	4,400	1,995	—	—
130' (39.62 m)	25	7.62	80.5	41.32	82,900*	37,602*	52,200	23,677	30,600	13,879	82,900*	37,602*	52,200	23,677	30,600	13,879
	30	9.14	78.2	41.03	77,100*	34,971*	41,200	18,688	23,400	10,614	77,100*	34,971*	41,200	18,688	23,400	10,614
	35	10.67	76.0	40.68	68,800*	31,207*	33,500	15,195	18,800	8,527	68,800*	31,207*	33,500	15,195	18,800	8,527
	40	12.19	73.7	40.27	58,200	26,399	28,000	12,700	15,300	6,939	58,200	26,399	28,000	12,700	15,300	6,939
	50	15.24	69.0	38.24	42,100	19,096	20,700	9,389	10,500	4,762	43,500*	20,502*	20,700	9,389	10,500	4,762
	60	18.29	64.2	37.93	32,300	14,651	15,800	7,166	7,300	3,401	33,700*	16,193*	15,800	7,166	7,300	3,401
	70	21.34	59.2	36.29	25,800	11,702	12,400	5,624	5,300	2,404	27,200*	13,244*	12,400	5,624	5,300	2,404
	80	24.38	54.0	34.28	21,300	9,661	9,900	4,490	3,800	1,723	22,800*	11,067*	9,900	4,490	3,800	1,723
	90	27.43	48.3	31.82	17,800	8,073	8,000	3,628	2,500	1,133	19,300*	9,389*	8,000	3,628	2,500	1,133
	100	30.48	42.1	28.79	15,100	6,849	6,500	2,948	—	—	17,700*	8,028*	6,500	2,948	—	—
	110	33.53	35.0	24.96	12,900	5,851	5,200	2,358	—	—	15,300*	6,939*	5,200	2,358	—	—
	120	36.58	26.3	19.82	11,100	5,034	4,200	1,905	—	—	13,300*	6,032*	4,200	1,905	—	—
140' (42.67 m)	30	9.14	79.1	44.14	70,700*	32,068*	41,000	18,597	23,200	10,523	70,700*	32,068*	41,000	18,597	23,200	10,523
	35	10.67	77.0	43.82	62,800*	28,485*	33,300	15,104	18,600	8,436	62,800*	28,485*	33,300	15,104	18,600	8,436
	40	12.19	74.9	43.44	56,600*	25,673*	27,800	12,609	15,100	6,849	56,600*	25,673*	27,800	12,609	15,100	6,849
	50	15.24	70.6	42.49	41,300	19,005	20,500	9,298	10,300	4,672	44,400*	20,139*	20,500	9,298	10,300	4,672
	60	18.29	66.2	41.28	32,100	14,560	15,600	7,076	7,300	3,311	35,100*	15,921*	15,600	7,076	7,300	3,311
	70	21.34	61.6	39.79	25,600	11,611	12,200	5,533	5,100	2,313	28,700*	13,018*	12,200	5,533	5,100	2,313
	80	24.38	56.9	37.98	21,100	9,570	9,700	4,399	3,600	1,632	23,900*	10,840*	9,700	4,399	3,600	1,632
	90	27.43	51.8	35.79	17,600	7,983	7,800	3,538	2,300	1,043	20,600*	9,344*	7,800	3,538	2,300	1,043
	100	30.48	46.4	33.16	14,900	6,758	6,300	2,857	—	—	17,500*	7,937*	6,300	2,857	—	—
	110	33.53	40.5	29.94	12,700	5,760	5,000	2,267	—	—	15,100*	6,849*	5,000	2,267	—	—
	120	36.58	33.7	25.90	10,900	4,944	4,000	1,814	—	—	13,100*	5,942*	4,000	1,814	—	—
	130	39.62	25.4	20.52	9,500	4,309	3,200	1,451	—	—	11,400*	5,170*	3,200	1,451	—	—
	140	42.67	12.8	11.72	8,200	3,719	2,400	1,088	—	—	10,000*	4,535*	2,400	1,088	—	—
150' (45.72 m)	30	9.14	79.8	47.24	63,000*	28,576*	40,800	18,506	23,000	10,432	63,000*	28,576*	40,800	18,506	23,000	10,432
	35	10.67	77.9	46.94	57,700*	26,172*	33,100	15,013	18,400	8,346	57,700*	26,172*	33,100	15,013	18,400	8,346
	40	12.19	75.9	46.59	52,000*	23,586*	27,600	12,519	14,900	6,758	52,000*	23,586*	27,600	12,519	14,900	6,758
	50	15.24	71.9	45.71	40,800*	18,506*	20,300	9,207	10,100	4,581	40,800*	18,506*	20,300	9,207	10,100	4,581
	60	18.29	67.9	44.59	31,900	14,469	15,400	6,985	7,100	3,220	33,900*	15,376*	15,400	6,985	7,100	3,220
	70	21.34	63.7	43.22	25,400	11,521	12,000	5,443	4,900	2,222	28,200*	12,791*	12,000	5,443	4,900	2,222
	80	24.38	59.3	41.57	20,900	9,480	9,500	4,309	3,300	1,496	23,400*	10,614*	9,500	4,309	3,300	1,496
	90	27.43	54.8	39.59	17,400	7,892	7,600	3,447	2,100	952	20,100*	9,117*	7,600	3,447	2,100	952
	100	30.48	50.0	37.24	14,700	6,667	6,100	2,766	—	—	17,200*	7,801*	6,100	2,766	—	—
	110	33.53	44.8	34.44	12,500	5,669	5,200	2,177	—	—	14,800*	6,713*	5,200	2,177	—	—
	120	36.58	39.0	31.04	10,800	4,898	4,600	1,723	—	—	12,900*	5,851*	4,600	1,723	—	—
	130	39.62	32.5	26.81	9,300	4,218	3,000	1,360	—	—	11,200*	5,080*	3,000	1,360	—	—
	140	42.67	24.5	21.20	8,000	3,628	2,200	997	—	—	9,800*	4,445*	2,200	997	—	—
	150	45.72	12.4	12.06	6,900	3,129	—	—	—	—	8,600*	3,900*	—	—	—	—

① ② ③ — Refer to page 7.

GENERAL INFORMATION ONLY



HC-218A open throat boom										"A" upper & "A" bumper counterweights										"AB" upper & "A" bumper counterweights												
Length	Boom point height ③			On outriggers			On tires (static)			On outriggers only			Over side and 360° swing ④			Over side and 360° swing ④			Over side and 360° swing ④			Over side and 360° swing ④			Over side and 360° swing ④			Over side and 360° swing ④				
	Feet	meters	Degrees	Angle	Feet	meters	Over rear			Over side and 360° swing ④			Over rear			Over rear			Over rear			Over rear			Over rear			Over rear				
							Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms		
160' (48.77 m)	30	9.14	80.5	165° 2'	50.33	15.29	58,200*	26,399*	26,399*	11,999*	5,444*	2,470*	18,415	8,347	22,800	10,341	58,200*	26,399*	26,399*	11,999*	5,444*	2,470*	18,415	8,347	22,800	10,341	58,200*	26,399*	26,399*	11,999*	5,444*	2,470*
	35	10.67	78.6	164° 3'	50.05	15.25	53,500*	24,267*	24,267*	11,300*	5,123*	2,300*	18,200	8,255	21,800	9,880	53,500*	24,267*	24,267*	11,300*	5,123*	2,300*	18,200	8,255	21,800	9,880	53,500*	24,267*	24,267*	11,300*	5,123*	2,300*
	40	12.19	76.8	163° 2'	49.72	14.81	48,400*	21,953*	21,953*	10,600*	4,800*	2,100*	17,300	7,833	20,000	9,071	48,400*	21,953*	21,953*	10,600*	4,800*	2,100*	17,300	7,833	20,000	9,071	48,400*	21,953*	21,953*	10,600*	4,800*	2,100*
	50	15.24	73.1	160° 5'	48.90	14.56	38,100*	17,281*	17,281*	7,900*	3,583*	1,500*	13,100	5,938	15,200	6,894	38,100*	17,281*	17,281*	7,900*	3,583*	1,500*	13,100	5,938	15,200	6,894	38,100*	17,281*	17,281*	7,900*	3,583*	1,500*
	60	18.29	69.3	157° 1'	47.87	13.98	31,700*	14,378*	14,378*	6,400*	2,900*	1,200*	11,800	5,352	13,100	5,938	31,700*	14,378*	14,378*	6,400*	2,900*	1,200*	11,800	5,352	13,100	5,938	31,700*	14,378*	14,378*	6,400*	2,900*	1,200*
	70	21.34	65.4	152° 11'	46.60	13.59	25,200*	11,430*	11,430*	5,100*	2,300*	1,000*	9,300	4,218	10,600	4,800	25,200*	11,430*	11,430*	5,100*	2,300*	1,000*	9,300	4,218	10,600	4,800	25,200*	11,430*	11,430*	5,100*	2,300*	1,000*
	80	24.38	61.4	147° 11'	45.07	13.74	20,700*	9,389*	9,389*	4,200*	1,900*	800*	7,300	3,311	8,200	3,719	20,700*	9,389*	9,389*	4,200*	1,900*	800*	7,300	3,311	8,200	3,719	20,700*	9,389*	9,389*	4,200*	1,900*	800*
	90	27.43	57.3	141° 11'	43.27	13.18	17,200*	7,801*	7,801*	3,500*	1,500*	600*	6,000	2,721	6,700	3,068	17,200*	7,801*	7,801*	3,500*	1,500*	600*	6,000	2,721	6,700	3,068	17,200*	7,801*	7,801*	3,500*	1,500*	600*
	100	30.48	52.9	135° 0'	41.14	12.54	14,500*	6,577*	6,577*	2,900*	1,300*	500*	5,000	2,266	5,600	2,536	14,500*	6,577*	6,577*	2,900*	1,300*	500*	5,000	2,266	5,600	2,536	14,500*	6,577*	6,577*	2,900*	1,300*	500*
	110	33.53	48.3	126° 9'	38.64	11.78	12,300*	5,579*	5,579*	2,400*	1,100*	400*	4,000	1,818	4,600	2,086	12,300*	5,579*	5,579*	2,400*	1,100*	400*	4,000	1,818	4,600	2,086	12,300*	5,579*	5,579*	2,400*	1,100*	400*
170' (51.82 m)	120	36.58	43.3	117° 0'	35.67	10.50	10,500*	4,762*	4,762*	2,000*	900*	300*	3,000	1,361	3,600	1,624	10,500*	4,762*	4,762*	2,000*	900*	300*	3,000	1,361	3,600	1,624	10,500*	4,762*	4,762*	2,000*	900*	300*
	130	39.62	37.8	105° 4'	32.10	9.78	9,000*	4,082*	4,082*	1,700*	700*	200*	2,000	907	2,700	1,224	9,000*	4,082*	4,082*	1,700*	700*	200*	2,000	907	2,700	1,224	9,000*	4,082*	4,082*	1,700*	700*	200*
	140	42.67	31.4	90° 10'	27.68	8.40	7,800*	3,538*	3,538*	1,500*	600*	100*	1,500	688	2,000	907	7,800*	3,538*	3,538*	1,500*	600*	100*	1,500	688	2,000	907	7,800*	3,538*	3,538*	1,500*	600*	100*
	150	45.72	23.7	71° 8'	21.85	6.65	6,700*	3,039*	3,039*	1,300*	500*	0*	1,300	594	1,700	769	6,700*	3,039*	3,039*	1,300*	500*	0*	1,300	594	1,700	769	6,700*	3,039*	3,039*	1,300*	500*	0*
	160	48.77	12.0	40° 8'	12.38	3.76	5,800*	2,630*	2,630*	1,100*	400*	0*	1,100	496	1,500	688	5,800*	2,630*	2,630*	1,100*	400*	0*	1,100	496	1,500	688	5,800*	2,630*	2,630*	1,100*	400*	0*
	35	10.67	79.3	174° 5'	53.16	15.88	49,000*	22,226*	22,226*	10,000*	4,500*	2,000*	32,200	14,642	42,400	19,232*	49,000*	22,226*	22,226*	10,000*	4,500*	2,000*	32,200	14,642	42,400	19,232*	49,000*	22,226*	22,226*	10,000*	4,500*	2,000*
	40	12.19	77.6	173° 5'	52.85	15.80	42,400*	19,232*	19,232*	8,800*	4,000*	1,800*	28,600	13,008	36,200	16,432*	42,400*	19,232*	19,232*	8,800*	4,000*	1,800*	28,600	13,008	36,200	16,432*	42,400*	19,232*	19,232*	8,800*	4,000*	1,800*
	50	15.24	74.1	170° 10'	52.08	15.77	34,900*	15,830*	15,830*	7,200*	3,300*	1,400*	23,700	10,765	29,500*	13,380*	34,900*	15,830*	15,830*	7,200*	3,300*	1,400*	23,700	10,765	29,500*	13,380*	34,900*	15,830*	15,830*	7,200*	3,300*	1,400*
	60	18.29	70.6	167° 8'	51.11	15.57	29,500*	13,380*	13,380*	6,000*	2,700*	1,100*	19,600	8,890*	23,000*	10,432*	29,500*	13,380*	13,380*	6,000*	2,700*	1,100*	19,600	8,890*	23,000*	10,432*	29,500*	13,380*	13,380*	6,000*	2,700*	1,100*
	70	21.34	67.0	163° 10'	49.93	14.57	23,000*	10,432*	10,432*	5,000*	2,200*	900*	13,400	6,078	19,600*	8,890*	23,000*	10,432*	10,432*	5,000*	2,200*	900*	13,400	6,078	19,600*	8,890*	23,000*	10,432*	10,432*	5,000*	2,200*	900*
	80	24.38	63.3	159° 2'	48.51	14.06	19,600*	8,890*	8,890*	4,200*	1,900*	800*	10,800	4,898	17,400*	7,892*	19,600*	8,890*	8,890*	4,200*	1,900*	800*	10,800	4,898	17,400*	7,892*	19,600*	8,890*	8,890*	4,200*	1,900*	800*
180' (54.86 m)	90	27.43	59.4	153° 8'	46.80	13.65	17,000*	7,711*	7,711*	3,600*	1,600*	700*	9,000	4,082	15,600*	7,076*	17,000*	7,711*	7,711*	3,600*	1,600*	700*	9,000	4,082	15,600*	7,076*	17,000*	7,711*	7,711*	3,600*	1,600*	700*
	100	30.48	55.4	147° 4'	44.90	13.08	14,300*	6,466*	6,466*	3,000*	1,400*	600*	7,100	3,220	14,000*	6,350*	14,300*	6,466*	6,466*	3,000*	1,400*	600*	7,100	3,220	14,000*	6,350*	14,000*	6,350*	3,000*	1,400*	600*	700*
	110	33.53	51.2	139° 10'	42.63	12.39	12,100*	5,488*	5,488*	2,600*	1,200*	500*	5,800	2,630	12,500	5,669	12,100*	5,488*	5,488*	2,600*	1,200*	500*	5,800	2,630	12,500	5,669	12,500	5,669	2,600*	1,200*	500*	700*
	120	36.58	46.7	131° 2'	39.98	11.48	10,300*	4,672*	4,672*	2,200*	1,000*	400*	4,700	2,131	10,800	4,898	10,300*	4,672*	4,672*	2,200*	1,000*	400*	4,700	2,131	10,800	4,898	10,800	4,898	2,200*	1,000*	400*	700*
	130	39.62	41.9	120° 11'	36.86	10.61	8,800*	3,991*	3,991*	1,800*	800*	300*	3,700	1,678	9,400	4,263	8,800*	3,991*	3,991*	1,800*	800*	300*	3,700	1,678	9,400	4,263	9,400	4,263	1,800*	800*	300*	700*
	140	42.67	36.6	108° 8'	33.13	10.05	7,600*	3,447*	3,447*	1,600*	700*	200*	3,200	1,457	8,200	3,719	7,600*	3,447*	3,447*	1,600*	700*	200*	3,200	1,457	8,200	3,719	8,200	3,719	1,600*	700*	200*	700*
	150	45.72	30.5	93° 7'	28.53	8.69	6,500*	2,948*	2,948*	1,400*	600*	100*	2,800	1,266	7,100	3,220	6,500*	2,948*	2,948*	1,400*	600*	100*	2,800	1,266	7,100	3,220	7,100	3,220	1,400*	600*	100*	700*
	160	48.77	23.0	73° 9'	22.48	6.85	5,600*	2,540*	2,540*	1,200*	500*	0*	2,400	1,097	6,200	2,812	5,600*	2,540*	2,540*	1,200*	500*	0*	2,400	1,097	6,200	2,812	6,200	2,812	1,200*	500*	0*	700*
	170	51.82	11.6	41° 8'	12.70	3.84	4,700*	2,131*	2,131*	1,000*	400*	0*	2,000	907	5,200	2,358	4,700*	2,131*	2,131*	1,000*	400*	0*	2,000	907	5,200	2,358	5,200	2,358	1,000*	400*	0*	700*
	35	10.67	79.9	184° 7'	56.26	16.34	42,900*	19,459*	19,459*	10,000*	4,500*	2,000*	32,200	14,642	42,900*	19,459*	42,900*	19,459*	19,459*	10,000*	4,500*	2,000*	32,200	14,642	42,900*	19,459*	42,900*	19,459*	19,459*	10,000*	4,500*	2,000*
190' (57.91 m)	40	12.19	78.3	183° 7'	55.96	16.24	39,100*	17,735*	17,735*	9,000*	4,100*	1,800*	28,600	13,008	39,100*	17,735*	39,100*	17,735*	17,735*	9,000*	4,100*	1,800*	28,600	13,008	39,100*	17,735*	39,100*	17,735*	17,735*	9,000*	4,100*	1,800*
	50	15.24	75.0	181° 3'	55.24	15.91	32,300*	14,651*	14,651*	7,500*	3,400*	1,400*	23,700	10,765	32,300*	14,651*	32,300*	14,651*	14,651*	7,500*	3,400*	1,400*	23,700	10,765	32,300*	14,651*	32,300*					



H 3A open throat boom				"A" upper & "A" counterweights				"AB" upper & "A" bumper counterweights					
Length	Radius		Angle Degrees	Boom point height ③		On outriggers				On tires (static)			
	Feet	meters		Over rear		Over side and 360° swing ③		Over rear		Over side			
				Pounds	kilograms	Pounds	kilograms	Pounds	kilograms	Pounds	kilograms		
190' (57.91 m)	100	30.48	59.5	171' 0"	52.13	13,900	6,304	8,300	3,764	14,200*	6,441*	11,000	4,989
	110	33.53	55.9	164' 8"	50.20	11,700	5,307	6,700	3,039	12,400*	5,624*	9,100	4,127
	120	36.58	52.2	157' 5"	47.99	9,900	4,490	5,400	2,449	11,100*	5,034*	7,500	3,401
	130	39.62	48.3	149' 1"	45.45	8,400	3,810	4,200	1,905	9,800*	4,445*	6,200	2,812
	140	42.67	44.1	139' 6"	42.52	7,100	3,220	3,300	1,496	8,800*	3,991*	5,100	2,313
	150	45.72	39.6	128' 4"	39.12	6,100	2,766	2,500	1,133	7,700	3,492	4,200	1,905
	160	48.77	34.5	115' 1"	35.08	5,100	2,313	—	—	6,700	3,039	3,400	1,542
	170	51.82	28.8	98' 11"	30.14	4,300	1,950	—	—	5,800	2,630	2,700	1,224
	180	54.86	21.7	77' 8"	23.68	3,600	1,632	—	—	5,000	2,267	2,000	907
	190	57.91	11.0	43' 8"	13.30	2,900	1,315	—	—	4,300	1,950	—	—
200' (60.96 m)	35	10.67	80.9	204' 10"	62.44	34,900*	15,830*	34,900*	15,830*	34,900*	15,830*	34,900*	15,830*
	40	12.19	79.5	204' 0"	62.18	32,700*	14,832*	32,700*	14,832*	32,700*	14,832*	32,700*	14,832*
	50	15.24	76.6	201' 10"	61.53	27,300*	12,383*	27,300*	12,383*	27,300*	12,383*	27,300*	12,383*
	60	18.29	73.6	199' 2"	60.72	20,500*	9,298*	20,500*	9,298*	20,500*	9,298*	20,500*	9,298*
	70	21.34	70.6	196' 0"	59.73	17,200*	7,801*	16,300	7,393	17,200*	7,801*	17,200*	7,801*
	80	24.38	67.5	192' 2"	58.56	15,000*	6,803*	12,800	5,805	15,000*	6,803*	15,000*	6,803*
	90	27.43	64.4	187' 8"	57.20	13,600*	6,168*	10,200	4,626	13,600*	6,168*	13,100	5,942
	100	30.48	61.2	182' 6"	55.63	12,500*	5,669*	8,100	3,674	12,500*	5,669*	10,700	4,853
	110	33.53	57.8	176' 8"	53.84	11,100*	5,034*	6,500	2,948	11,100*	5,034*	8,800	3,991
	120	36.58	54.4	169' 11"	51.79	9,700*	4,399*	5,100	2,313	9,700*	4,399*	7,300	3,311
210' (64.01 m)	130	39.62	50.8	162' 3"	49.46	8,200	3,719	4,000	1,814	8,600*	3,900*	6,000	2,721
	140	42.67	47.0	153' 6"	46.80	6,900	3,129	3,100	1,406	7,700*	3,492*	4,900	2,222
	150	45.72	42.9	143' 6"	43.74	5,800	2,630	2,300	1,043	7,000*	3,175*	3,900	1,769
	160	48.77	38.5	131' 11"	40.20	4,900	2,222	—	—	6,200*	2,812*	3,100	1,406
	170	51.82	33.6	118' 2"	36.01	4,100	1,859	—	—	5,600*	2,540*	2,400	1,088
	180	54.86	28.1	101' 5"	30.91	3,400	1,542	—	—	4,700	2,131	—	—
	190	57.91	21.2	79' 7"	24.26	2,700	1,224	—	—	4,000	1,814	—	—
	200	60.96	10.7	44' 7"	13.59	2,200	997	—	—	3,400	1,542	—	—
	40	12.19	80.0	214' 2"	65.27	29,600*	13,426*	29,600*	13,426*	29,600*	13,426*	29,600*	13,426*
	50	15.24	77.2	212' 2"	64.66	24,900*	11,294*	24,900*	11,294*	24,900*	11,294*	24,900*	11,294*
220' (67.06 m)	60	18.29	74.4	209' 7"	63.89	18,800*	8,527*	18,800*	8,527*	18,800*	8,527*	18,800*	8,527*
	70	21.34	71.5	206' 7"	62.95	15,600*	7,076*	15,600*	7,076*	15,600*	7,076*	15,600*	7,076*
	80	24.38	68.6	202' 11"	61.85	13,300*	6,032*	12,600	5,715	13,300*	6,032*	13,300*	6,032*
	90	27.43	65.7	198' 8"	60.57	11,900*	5,397*	10,000	4,535	11,900*	5,397*	11,900*	5,397*
	100	30.48	62.6	193' 10"	59.09	10,900*	4,944*	7,900	3,583	10,900*	4,944*	10,500	4,762
	110	33.53	59.5	188' 4"	57.41	9,700*	4,399*	6,300	2,857	9,700*	4,399*	8,600	3,900
	120	36.58	56.3	182' 1"	55.50	8,600*	3,900*	4,900	2,222	8,600*	3,900*	7,100	3,220
	130	39.62	53.0	175' 0"	53.33	7,600*	3,447*	3,800	1,723	7,600*	3,447*	5,800	2,630
	140	42.67	49.5	166' 11"	50.88	6,700	3,039	2,800	1,270	6,800*	3,084*	4,700	2,131
	150	45.72	45.8	157' 10"	48.10	5,600	2,540	2,000	907	6,100*	2,766*	3,700	1,678
160	48.77	41.8	147' 5"	44.92	4,700	2,131	—	—	5,400*	2,449*	2,900	1,315	
170	51.82	37.5	135' 4"	41.25	3,800	1,723	—	—	4,900*	2,222*	2,200	997	
180	54.86	32.8	121' 2"	36.92	3,100	1,406	—	—	4,400*	1,995*	—	—	
190	57.91	27.4	103' 11"	31.66	2,500	1,133	—	—	3,800	1,723	—	—	
200	60.96	20.7	81' 5"	24.82	—	—	—	—	3,200	1,451	—	—	
210	64.01	10.5	45' 6"	13.88	—	—	—	—	2,600	1,179	—	—	
40	12.19	80.4	224' 4"	68.37	26,600*	12,065*	26,600*	12,065*	26,600*	12,065*	26,600*	12,065*	
50	15.24	77.8	222' 5"	67.78	20,700*	9,389*	20,700*	9,389*	20,700*	9,389*	20,700*	9,389*	
60	18.29	75.1	220' 0"	67.05	17,200*	7,801*	17,200*	7,801*	17,200*	7,801*	17,200*	7,801*	
70	21.34	72.4	217' 1"	66.16	14,200*	6,441*	14,200*	6,441*	14,200*	6,441*	14,200*	6,441*	
80	24.38	69.7	213' 7"	65.11	11,900*	5,397*	11,900*	5,397*	11,900*	5,397*	11,900*	5,397*	
90	27.43	66.8	209' 8"	63.90	10,400*	4,717*	9,700	4,399	10,400*	4,717*	10,400*	4,717*	
100	30.48	64.0	205' 1"	62.50	9,400*	4,263*	7,700	3,492	9,400*	4,263*	9,400*	4,263*	
110	33.53	61.0	199' 10"	60.92	8,600*	3,900*	6,000	2,721	8,600*	3,900*	8,400	3,810	
120	36.58	58.0	194' 0"	59.12	7,700*	3,492*	4,700	2,131	7,700*	3,492*	6,800	3,084	

Not applicable

① ② ③ — Refer to page 7.

GENERAL INFORMATION ONLY



HC-218A open throat boom									
Length	Radius		Angle Degrees	Boom point height ③		"A" upper & "A" bumper ① counterweights			
						On outriggers		On tires (static)	
	Feet	meters		Feet	meters	Over rear Pounds	Over side and 360° swing ③ kilograms	Over rear Pounds	Over side and 360° swing ③ kilograms
220' (67.06 m)	130	39.62	54.9	187' 4"	57.10	6,700*	3,039*	6,700*	3,039*
	140	42.67	51.7	179' 11"	54.83	6,000*	2,721*	6,000*	2,721*
	150	45.72	48.2	171' 6"	52.27	5,400*	2,449*	5,400*	2,449*
	160	48.77	44.7	162' 0"	49.37	4,400	1,995	4,800*	2,177*
	170	51.82	40.8	151' 2"	46.07	3,600	1,632	4,300*	1,950*
	180	54.86	36.7	138' 8"	42.27	2,900	1,315	3,900*	1,769*
	190	57.91	32.0	124' 1"	37.81	2,300	1,043	3,600*	1,632*
	200	60.96	26.7	106' 3"	32.40	—	—	2,900	1,315
	210	64.01	20.2	83' 3"	25.37	—	—	2,400	1,088
	220	67.06	12.9	60' 6"	18.45	—	—	—	—
230' (70.10 m)	40	12.19	80.9	234' 5"	71.46	—	—	24,100*	10,931*
	50	15.24	78.3	232' 7"	70.90	—	—	18,700*	8,482*
	60	18.29	75.8	230' 4"	70.20	—	—	15,800*	7,166*
	70	21.34	73.2	227' 6"	69.35	—	—	13,000*	5,896*
	80	24.38	70.6	224' 3"	68.35	—	—	10,700*	4,853*
	90	27.43	67.9	220' 6"	67.20	—	—	9,100*	4,127*
	100	30.48	65.2	216' 2"	65.88	—	—	8,200*	3,719*
	110	33.53	62.4	211' 2"	64.38	—	—	7,200*	3,265*
	120	36.58	59.6	205' 8"	62.69	—	—	6,500*	2,948*
	130	39.62	56.6	199' 5"	60.79	—	—	5,800*	2,630*
240' (73.15 m)	140	42.67	53.6	192' 6"	58.66	—	—	5,200*	2,358*
	150	45.72	50.4	184' 8"	56.28	—	—	4,700*	2,131*
	160	48.77	47.1	175' 11"	53.61	—	—	4,200*	1,905*
	170	51.82	43.6	166' 0"	50.60	—	—	3,800*	1,723*
	180	54.86	39.9	154' 10"	47.19	—	—	3,500*	1,587*
	190	57.91	35.8	141' 11"	43.27	—	—	3,100*	1,406*
	200	60.96	31.3	126' 11"	38.67	—	—	2,700	1,224
	210	64.01	26.1	108' 8"	33.11	—	—	2,100	952
	220	67.06	12.9	80' 6"	24.40	—	—	—	—
	230	70.10	12.9	60' 6"	18.45	—	—	—	—

① Applicable only to machines with booms 40' (12.19 m) through 220' (67.06 m) long — without jib. "AB" upper and "A" bumper counterweights are required for boom 230' (70.10 m) long — without jib, and booms 40' (12.19 m) through 200' (60.96 m) — with jib. Jib is not

permitted on boom when machine is equipped with "A" upper and "A" bumper counterweights.

② Measured vertically from center of boom head sheave to ground with machine standing on tires.

③ Capacities for 360° swing applicable only when front center jack and front and rear outriggers are set in proper working position.

GENERAL INFORMATION ONLY

1. The 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 based on 85% of minimum tipping loads unless marked with an asterisk (*).

a. Asterisk indicates capacities are based on factors other than those which would cause a tipping condition.

2. Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, supporting surface conditions, inflation of tires, and operating speeds. Operator must reduce load ratings accordingly to take such conditions into account. Deduction from rated capacities must be made for weight of jib, hook block, ball/hook, sling.

3. Boom lengths exceeding 150' (45.72 m) — boom midpoint suspension pendants required.

4. Main boom lengths must not exceed 230' (70.10 m).

5. For lifting 200,000# (90,720 kg), 10 parts of 7/8" (22 mm) diameter, Type "N" wire rope are required. Check parts of line required for all capacities.

6. Jib cannot be used on boom lengths less than 40' (12.19 m) or longer than 200' (60.96 m).

7. Refer to charts page 1 when rigging machine with boom and boom plus jib.

8. Machine equipped with "AB" upper counterweight — do not swing over side until outriggers have been set.

9. Telescopic boom live mast, pinned in the extended (24' — 7.32 m) position, required for all open throat boom

capacities.

10. Least stable position is over side.

11. When handling loads on main load hoist line with jib mounted on boom, reduce rated boom capacities as follows to compensate for jib weights —

30' (9.14 m) jib — 2,000# (907 kg)

45' (13.72 m) jib — 2,400# (1,089 kg)

60' (18.29 m) jib — 3,200# (1,452 kg)

12. Capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.



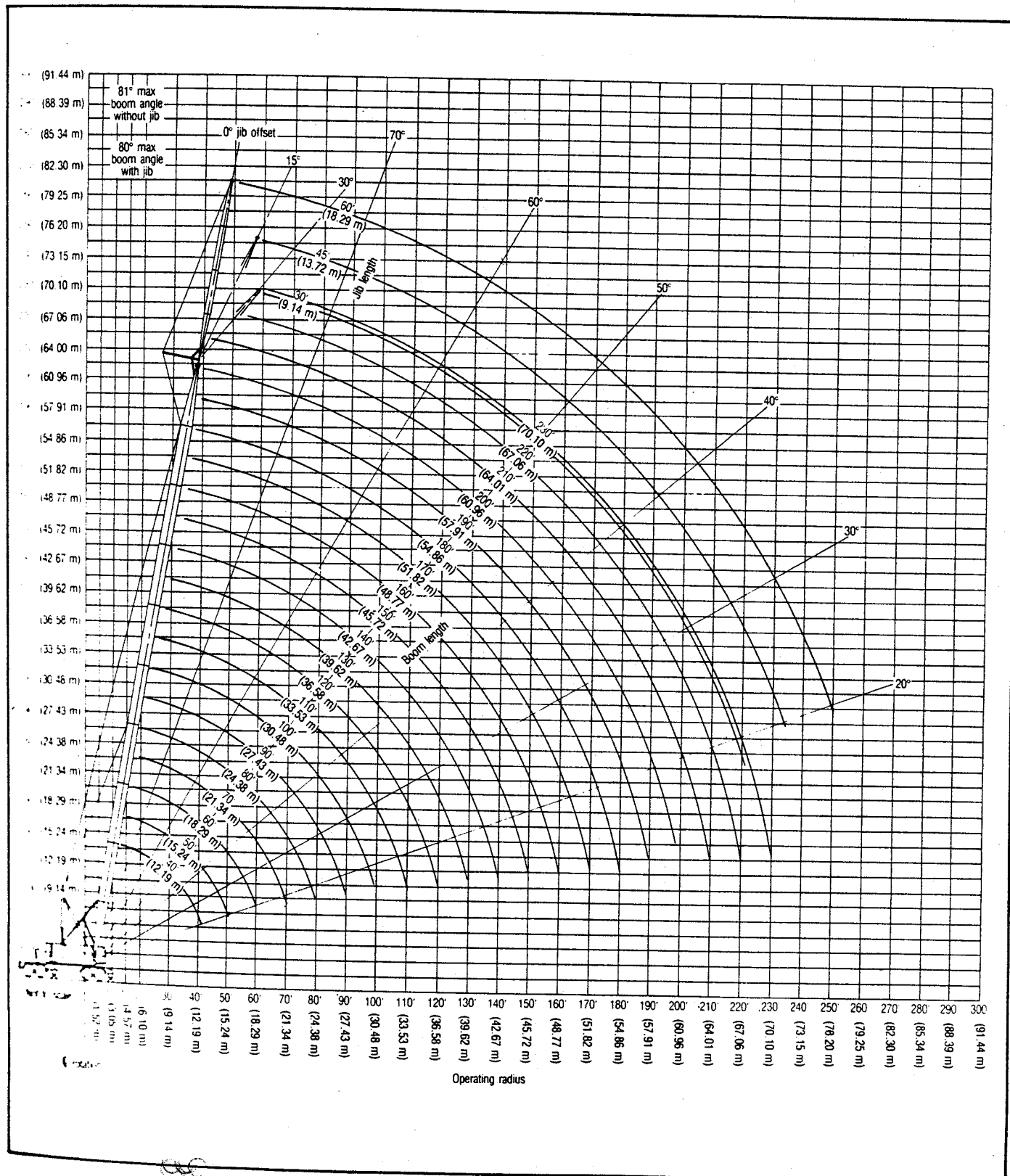
HC-218A boom/jib working ranges — open throat boom

Boom — tubular: 60" (1.52 m) wide, 50" (1.27 m) deep with open throat top section, 1 $\frac{3}{8}$ " (35 mm) boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular: 32" (0.81 m) wide, 24" (0.61 m) deep.

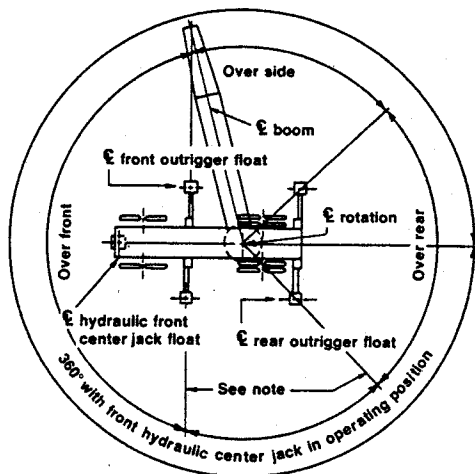
Counterweights — Refer to charts page 1.

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

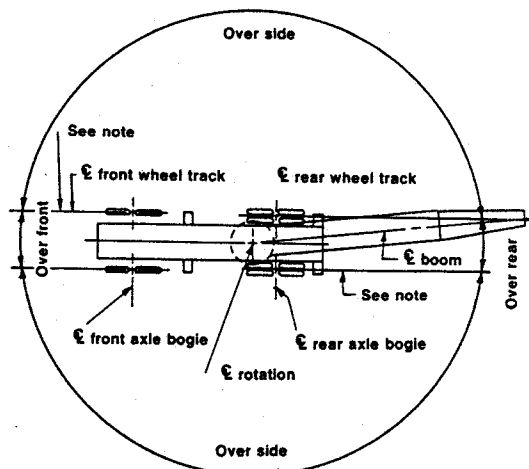




HC-218A working areas



Rubber tire mobile base on outriggers



Rubber tire mobile base on tires

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

GENERAL INFORMATION ONLY



We are constantly improving our products and therefore reserve the right to change designs and specifications.

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