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INTL SALES

GENERAL INFORMATION ONLY



Link-Belt® HC-138 lifting crane capacities

PCSA Class 12-319

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Boom — tubular; 54" (1.37 m) wide,
44" (1.12 m) deep with 40' (12.19 m) long
tapered tip top section, 1 1/4" (31.75 mm) dia.
boom pendants, boom live mast, and boom
midpoint suspension pendants as required.

Carrier — FMC; 8 x 4 drive, 236" (5.99 m)
wheelbase, 11' 0" (3.35 m) wide.

Counterweights — Upper cwt. "A" —
18,000# (8,165 kg). Bumper cwt. "A" —
4,300# (1,950 kg).

Length	Boom					On Outriggers				On Tires (Static)			
	Radius		Angle	Boom Point Height ^①		Over Rear		Over Side		Over Rear		Over Side	
	Feet	Meters		Feet	Meters	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
80' (24.38 m)	20	6.10	77.9	85' 1"	25.93	67,200*	30,481*	67,200*	30,481*	49,400	22,407	36,100	16,374
	25	7.62	74.2	83' 10"	25.55	67,200*	30,481*	67,200*	30,481*	38,700	18,648	26,500	12,020
	30	9.14	70.4	82' 3"	25.06	54,600*	24,765*	50,100	22,724	29,000	13,154	20,700	9,388
	35	10.67	66.6	80' 3"	24.48	45,700*	20,729*	39,300	17,826	23,600	10,704	16,700	7,574
	40	12.19	62.6	77' 11"	23.74	39,000*	17,690*	32,300	14,651	19,800	8,981	13,900	6,304
	50	15.24	54.2	71' 9"	21.86	29,000*	13,154	23,200	10,523	14,700	6,667	10,000	4,536
	60	18.29	44.7	63' 2"	19.25	22,500	10,205	17,800	8,073	11,400	5,170	7,500	3,401
	70	21.34	33.3	50' 10"	15.49	18,000	8,164	14,200	6,441	9,000	4,082	5,700	2,585
90' (27.43 m)	80	24.38	16.2	29' 2"	8.89	14,900	6,758	11,800	5,261	7,200	3,265	4,400	1,995
	20	6.10	79.2	85' 3"	29.04	67,200*	30,481*	67,200*	30,481*	49,300	22,362	36,000	16,329
	25	7.62	76.0	94' 2"	28.70	67,200*	30,481*	67,200*	30,481*	38,600	16,601	26,400	11,974
	30	9.14	72.7	92' 9"	28.28	54,400*	24,675*	50,000	22,679	28,800	13,063	20,500	9,298
	35	10.67	69.3	91' 1"	27.75	45,500*	20,638*	39,300	17,826	23,500	10,659	16,600	7,529
	40	12.19	65.8	89' 0"	27.12	38,800*	17,599*	32,200	14,605	19,700	8,935	13,700	6,214
	50	15.24	58.6	83' 9"	25.52	28,900	13,108	23,100	10,477	14,600	6,622	9,800	4,445
	60	18.29	50.8	76' 8"	23.36	22,400	10,160	17,700	8,028	11,200	5,080	7,300	3,311
100' (30.48 m)	70	21.34	42.1	67' 2"	20.46	17,900	8,119	14,100	6,395	8,900	4,036	5,600	2,540
	80	24.38	31.4	53' 9"	16.38	14,800	6,713	11,500	5,216	7,100	3,220	4,300	1,950
	90	27.43	15.3	30' 6"	9.31	12,400	5,624	9,500	4,308	5,800	2,630	3,200	1,451
	25	7.62	77.4	104' 5"	31.84	62,800*	28,485*	62,800*	28,485*	38,400	16,510	26,300	11,929
	30	9.14	74.4	103' 2"	31.45	54,200*	24,564*	49,900	22,634	28,700	13,018	20,400	9,253
	35	10.67	71.4	101' 8"	30.99	45,300*	20,547*	39,200	17,780	23,300	10,568	16,500	7,484
	40	12.19	68.4	99' 10"	30.43	38,800*	17,508*	32,100	14,560	19,500	8,845	13,600	6,188
	50	15.24	62.1	95' 3"	29.02	28,800	13,063	23,000	10,432	14,400	6,531	9,700	4,399
110' (33.53 m)	60	18.29	55.4	89' 2"	27.17	22,200	10,069	17,600	7,983	11,100	5,034	7,200	3,265
	70	21.34	48.1	81' 3"	24.78	17,800	8,073	14,000	6,350	8,700	3,946	5,400	2,449
	80	24.38	39.8	70' 10"	21.60	14,700	6,667	11,400	5,170	7,000	3,175	4,100	1,859
	90	27.43	29.7	56' 8"	17.21	12,300	5,579	9,400	4,263	5,700	2,585	3,100	1,406
	100	30.48	14.5	31' 10"	9.70	10,400	4,717	7,800	3,538	4,600	2,086	2,300	1,043
	25	7.62	78.6	114' 8"	34.95	57,900*	26,263*	57,900*	26,263*	38,200	16,420	26,100	11,838
	30	9.14	75.9	113' 6"	34.61	54,000*	24,493*	49,900	22,634	28,500	12,927	20,200	9,162
	35	10.67	73.2	112' 2"	34.18	45,100*	20,457*	39,100	17,735	23,200	10,523	16,300	7,393
120' (36.58 m)	40	12.19	70.4	110' 6"	33.68	38,400*	17,417*	32,000	14,514	19,300	8,754	13,400	6,078
	50	15.24	64.8	108' 5"	32.43	28,700	13,018	22,900	10,387	14,200	6,441	9,500	4,309
	60	18.29	58.9	101' 1"	30.80	22,100	10,024	17,400	7,892	10,900	4,944	7,000	3,175
	70	21.34	52.5	94' 3"	28.72	17,700	8,028	13,900	6,304	8,600	3,900	5,300	2,404
	80	24.38	45.7	85' 7"	26.09	14,600	6,622	11,200	5,080	6,800	3,084	4,000	1,814
	90	27.43	37.9	74' 5"	22.67	12,200	5,533	9,300	4,218	5,500	2,494	3,000	1,360
	100	30.48	28.3	59' 1"	18.00	10,300	4,672	7,700	3,492	4,400	1,995	2,200	997
	110	33.53	13.8	33' 1"	10.08	8,800	3,991	6,500	2,948	3,600	1,632	1,500	680
130' (39.62 m)	30	9.14	77.1	123' 10"	37.74	49,700*	22,543*	49,700*	22,543*	28,300	12,836	20,000	9,071
	35	10.67	74.6	122' 7"	37.36	44,800*	20,320*	39,000	17,690	23,000	10,432	16,100	7,302
	40	12.19	72.1	121' 1"	36.90	38,100*	17,281*	31,800	14,424	19,100	8,683	13,200	5,987
	50	15.24	67.0	117' 4"	35.77	28,500	12,927	22,700	10,296	14,100	6,395	9,300	4,218
	60	18.29	61.7	112' 7"	34.31	21,900	9,939	17,300	7,847	10,700	4,853	6,800	3,084
	70	21.34	56.2	106' 6"	32.47	17,500	7,937	13,700	6,214	8,400	3,810	5,100	2,313
	80	24.38	50.2	99' 0"	30.19	14,400	6,531	11,100	5,034	6,700	3,039	3,800	1,723
	90	27.43	43.6	89' 8"	27.34	12,000	5,443	9,100	4,127	5,300	2,404	2,800	1,270
140' (42.67 m)	100	30.48	36.2	77' 9"	23.70	10,200	4,626	7,600	3,447	4,300	1,950	2,000	907
	110	33.53	27.1	61' 6"	18.75	8,700	3,946	6,300	2,857	3,400	1,542	1,400	635
	120	36.58	13.2	34' 3"	10.44	7,400	3,356	5,300	2,404	2,700	1,224	—	—
	30	9.14	78.1	134' 1"	40.86	45,900*	20,819*	45,900*	20,819*	28,100	12,745	19,800	9,026
	35	10.67	75.8	132' 11"	40.51	43,700*	19,821*	38,800	17,599	22,800	10,341	15,900	7,212
	40	12.19	73.5	131' 5"	40.09	37,900*	17,191*	31,700	14,378	18,900	8,572	13,000	5,896
	50	15.24	68.9	128' 2"	39.05	28,400	12,882	22,600	10,251	13,900	6,304	9,100	4,127
	60	18.29	64.1	123' 9"	37.73	21,700	9,842	17,100	7,756	10,500	4,762	6,600	2,993
150' (45.72 m)	70	21.34	59.1	118' 4"	36.08	17,300	7,847	13,500	6,123	8,200	3,719	4,900	2,222
	80	24.38	53.8	111' 9"	34.05	14,200	6,441	10,800	4,944	6,500	2,948	3,600	1,632
	90	27.43	48.1	103' 7"	31.58	11,800	5,352	8,800	4,036	5,100	2,313	2,600	1,179
	100	30.48	41.9	93' 7"	28.53	10,000	4,535	7,400	3,356	4,100	1,859	1,800	816
	110	33.53	34.7	80' 11"	24.67	8,500	3,855	6,200	2,812	3,200	1,451	1,200	544
	120	36.58	28.0	63' 11"	19.47	7,300	3,311	5,100	2,313	2,500	1,133	—	—
	130	39.62	12.7	35' 5"	10.78	6,200	2,812	4,300	1,950	1,800	861	—	—

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

(continued)



GENERAL INFORMATION ONLY

HC-138 lifting crane capacities

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Boom						On Outriggers				On Tires (Static)			
Length	Radius		Angle Degrees	Boom Point Height ^①		Over Rear		Over Side		Over Rear		Over Side	
	Feet	Meters		Feet	Meters	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
140' (42.67 m)	30	9.14	79.0	144' 3"	43.97	42,400*	19,232*	42,400*	19,232*	27,900	12,655	19,700	8,935
	35	10.67	78.8	143' 2"	43.65	40,400*	18,325*	38,700	17,554	22,600	10,251	15,800	7,166
	40	12.19	74.7	141' 11"	43.28	37,600*	17,055*	31,500	14,288	18,800	8,527	12,900	5,851
	50	15.24	70.5	138' 10"	42.30	28,200	12,791	22,400	10,160	13,700	6,214	9,000	4,082
	60	18.29	66.1	134' 10"	41.09	21,600	9,797	16,900	7,665	10,300	4,672	6,400	2,902
	70	21.34	61.5	129' 11"	39.59	17,100	7,756	13,400	6,078	8,000	3,628	4,700	2,131
	80	24.38	56.7	123' 11"	37.76	14,100	6,395	10,700	4,853	6,300	2,857	3,400	1,542
	90	27.43	51.7	116' 8"	35.56	11,700	5,307	8,800	3,991	4,900	2,222	2,400	1,088
	100	30.48	46.2	108' 0"	32.91	9,800	4,445	7,200	3,265	3,800	1,769	1,600	725
	110	33.53	40.3	97' 4"	29.67	8,300	3,764	6,000	2,721	3,000	1,360	1,000	453
	120	36.58	33.4	84' 0"	25.60	7,100	3,220	5,000	2,267	2,300	1,043	—	—
	130	39.62	25.1	66' 2"	20.16	6,100	2,768	4,100	1,859	1,700	771	—	—
	140	42.67	12.2	36' 6"	11.12	5,200	2,358	3,400	1,542	1,200	544	—	—
150' (45.72 m)	35	10.67	77.7	153' 5"	46.77	37,400*	16,984*	37,400	16,964				
	40	12.19	75.8	152' 3"	46.41	36,600*	16,102*	31,400	14,242				
	50	15.24	71.8	148' 4"	45.53	28,000	12,700	22,200	10,089				
	60	18.29	67.7	145' 8"	44.40	21,400	9,708	16,700	7,574				
	70	21.34	63.6	141' 2"	43.02	16,900	7,665	13,200	5,987				
	80	24.38	59.2	135' 8"	41.35	13,800	6,304	10,500	4,762				
	90	27.43	54.6	129' 2"	39.37	11,500	5,218	8,500	3,855				
	100	30.48	49.8	121' 5"	37.01	9,600	4,354	7,000	3,175				
	110	33.53	44.8	112' 2"	34.19	8,100	3,674	5,800	2,630				
	120	36.58	38.8	100' 11"	30.77	6,900	3,129	4,700	2,131				
	130	39.62	32.3	86' 11"	26.50	5,800	2,630	3,900	1,769				
	140	42.67	24.2	68' 4"	20.82	5,000	2,267	3,200	1,451				
	150	45.72	11.8	37' 6"	11.44	4,200	1,905	2,500	1,133				
160' (48.77 m)	35	10.67	78.5	163' 8"	48.88	32,700*	14,832*	32,700*	14,832*				
	40	12.19	76.7	162' 7"	49.55	32,200*	14,805*	31,300	14,197				
	50	15.24	73.0	159' 10"	48.72	27,700*	12,564*	22,100	10,024				
	60	18.29	69.2	156' 5"	47.68	21,200	9,616	16,600	7,529				
	70	21.34	65.3	152' 3"	46.40	16,700	7,574	13,000	5,896				
	80	24.38	61.3	147' 2"	44.87	13,700	6,214	10,300	4,672				
	90	27.43	57.1	141' 3"	43.05	11,300	5,125	8,400	3,810				
	100	30.48	52.8	134' 3"	40.91	9,400	4,263	6,800	3,084				
	110	33.53	48.1	126' 0"	38.40	7,800	3,583	5,600	2,540				
	120	36.58	43.1	118' 2"	35.41	6,700	3,039	4,600	2,086				
	130	39.62	37.6	104' 5"	31.82	5,600	2,540	3,700	1,678				
	140	42.67	31.2	89' 9"	27.37	4,800	2,177	3,000	1,360				
	150	45.72	23.4	70' 6"	21.47	4,000	1,814	2,400	1,088				
	160	48.77	11.4	38' 7"	11.75	3,400	1,542	1,800	816				
170' (51.82 m)	35	10.67	79.2	173' 10"	52.99	28,800*	13,063*	28,800*	13,063*				
	40	12.19	77.5	172' 10"	52.68	28,300*	12,836*	28,300*	12,836*				
	50	15.24	74.0	170' 3"	51.90	24,300*	11,022*	21,900	9,933				
	60	18.29	70.5	167' 1"	50.93	20,500*	9,298*	18,500	7,484				
	70	21.34	66.8	163' 2"	49.74	16,300*	7,393*	12,800	5,805				
	80	24.38	63.1	158' 6"	48.31	13,500	6,123	10,200	4,626				
	90	27.43	59.3	153' 0"	46.64	11,100	5,034	8,200	3,719				
	100	30.48	55.3	146' 7"	44.68	9,200	4,173	6,600	2,993				
	110	33.53	51.1	139' 1"	42.40	7,700	3,492	5,400	2,449				
	120	36.58	46.6	130' 4"	39.73	6,500	2,948	4,400	1,995				
	130	39.62	41.7	120' 1"	36.59	5,500	2,494	3,500	1,587				
	140	42.67	36.4	107' 9"	32.84	4,600	2,086	2,800	1,270				
	150	45.72	30.3	92' 6"	28.21	3,800	1,723	2,200	997				
	160	48.77	22.7	72' 6"	22.09	3,200	1,451	1,600	725				
	170	51.82	11.1	39' 6"	12.05	2,600	1,179	1,200	544				
180' (54.86 m)	40	12.19	78.2	183' 1"	55.79	25,000*	11,339*	25,000*	11,339*				
	50	15.24	74.9	180' 8"	55.07	21,400*	9,708*	21,400*	9,708*				
	60	18.29	71.6	177' 8"	54.15	17,900*	8,119*	16,300	7,393				
	70	21.34	68.2	174' 0"	53.03	14,300*	6,466*	12,600	5,715				
	80	24.38	64.7	169' 8"	51.71	12,300*	5,579*	10,000	4,535				
	90	27.43	61.2	164' 6"	50.15	10,500*	4,762*	8,000	3,628				
	100	30.48	57.5	158' 7"	48.34	9,000	4,082	6,400	2,902				
	110	33.53	53.8	151' 9"	46.25	7,500	3,401	5,200	2,358				
	120	36.58	49.5	143' 10"	43.83	6,300	2,857	4,200	1,905				
	130	39.62	45.2	134' 7"	41.02	5,300	2,404	3,300	1,496				
	140	42.67	40.5	123' 10"	37.74	4,400	1,995	2,600	1,179				
	150	45.72	35.3	111' 0"	33.83	3,600	1,632	2,000	907				
	160	48.77	29.4	95' 2"	29.02	3,000	1,360	1,400	635				
	170	51.82	22.1	74' 5"	22.69	2,400	1,088	1,000	453				
	180	54.86	10.8	40' 8"	12.34	1,900	861	—	—				

Not Applicable

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

(continued)



GENERAL INFORMATION ONLY

HC-138 lifting crane capacities

Refer to Notes below

Length	Boom					On Outriggers				On Tires (Static)			
	Radius		Angle	Boom Point Height ^①		Over Rear		Over Side		Over Rear		Over Side	
	Feet	Meters	Degrees	Feet	Meters	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
190' (57.91 m)	40	12.19	78.0	193' 3"	58.90	22,300*	10,115*	22,300*	10,115*	Not Applicable			
	50	15.24	75.7	191' 0"	58.22	18,800*	8,527*	18,800*	8,527*				
	60	18.29	72.6	188' 2"	57.35	14,700*	6,687*	14,700*	6,687*				
	70	21.34	69.4	184' 9"	56.30	12,600*	5,715*	12,400	5,624				
	80	24.38	66.1	180' 8"	55.06	10,800*	4,898*	9,800	4,445				
	90	27.43	62.8	175' 10"	53.60	9,300*	4,218*	7,800	3,538				
	100	30.48	59.4	170' 4"	51.92	8,000*	3,628*	6,200	2,812				
	110	33.53	55.8	164' 0"	49.98	7,000*	3,175*	5,000	2,267				
	120	36.58	52.1	158' 8"	47.76	6,100*	2,766*	4,000	1,814				
	130	39.62	48.1	148' 4"	45.21	5,000	2,287	3,100	1,406				
	140	42.67	43.9	138' 8"	42.27	4,200	1,905	2,400	1,088				
	150	45.72	39.4	127' 5"	38.86	3,400	1,542	1,800	816				
	160	48.77	34.4	114' 1"	34.78	2,800	1,270	1,200	544				
	170	51.82	28.6	97' 9"	29.81	2,200	997	—	—				
	180	54.86	21.5	76' 4"	23.28	1,700	771	—	—				
	190	57.91	10.5	41' 5"	12.63	1,300	589	—	—				

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

Notes — lifting crane capacities

- Capacities included in this chart are maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are not more than 85% of minimum tipping load.
 - 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, inflation of tires, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.
- On tires (static) loads are defined as loads handled without machine travel or with machine travel at creep speeds only.
- Boom point height dimensions based on machine standing on tires.
- Least stable rated condition is over the side.
- 44" x 54" (1.12 x 1.37 m) tubular boom with tapered tip top section — for lifting 67,200# (30,481 kg) with ¾" (19.05 mm) rope, 4-parts of ¾" (19.05 mm) Type "N" wire rope are required.
- Boom live mast must be fixed in pinned, extended 23' 0" (7.01 m) length — and boom stops must be in proper working position — for all capacities on this chart.
- When using boom live mast as a short boom, maximum lifting capacity of mast is 18,000# (8,165 kg), with 3-parts of ¾" (19.05 mm) Type "N" wire rope, from 10' (3.05 m) minimum radius to 23' (7.01 m) maximum radius. Boom live mast must be in pinned, extended 23' 0" (7.01 m) length, mast stops in proper working position, and carrier on outriggers.
Note: Use of live mast as short boom is intended for machine assembly or disassembly only. It should not be used for general crane service.
- Use of boom midpoint suspension pendants are required for boom lengths exceeding 140' (42.67 m).
- When swinging rated load from rear to side of carrier, allowance must be made for any deflections which cause load radius to increase.
- Main boom length, without jib, must not exceed 190' (57.91 m).
- Jib cannot be used on main boom longer than 190' (57.91 m), and maximum jib length permitted on 190' (57.91 m) boom is 50' (15.24 m).
- These capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Crane and Excavator Division.

**GENERAL INFORMATION ONLY**

elow

HC-138 lifting crane

Boom — tubular; 54" (1.37 m) wide, 44" (1.13 m) deep with 40' (12.19 m) long tapered tip top section, 1 1/4" (31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular; 30" (.76 m) wide, 24" (.61 m) deep.

Carrier — FMC; 8 x 4 drive, 236" (5.99 m) wheelbase, 11' 0" (3.35 m) wide.

Counterweights — Upper cwt. "A" — 18,000# (8,165 kg). Bumper cwt. "A" — 4,300# (1,950 kg). Bumper cwt. "AB" — 12,300# (8,165 kg) required for boom lengths 170' thru 190' (51.82 thru 57.91 m) when used with jib.

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

Standard machine equipped with cwt. above and boom live mast.	Over Rear				Over Side			
	Boom		Boom + Jib		Boom		Boom + Jib	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
On outriggers — With both upper cwt. and bumper cwt. With upper cwt. and without bumper cwt.	190	57.91	190 + 50	57.91 + 15.24	180	54.86	150 + 50	45.72 + 15.24
	190	57.91	160 + 50	48.77 + 15.24	170	51.82	140 + 50	42.67 + 15.24
On tires^② — With both upper cwt. and bumper cwt. With upper cwt. and without bumper cwt.	160	48.77	130 + 50	39.62 + 15.24	120	36.58	90 + 50	27.43 + 15.24
	130	39.62	110 + 50	33.53 + 15.24	110	33.53	90 + 50	27.43 + 15.24

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

Standard machine equipped with cwt. above and boom live mast.	On Tires Over Rear ^②			
	Boom		Boom + Jib	
	Feet	Meters	Feet	Meters
With both upper cwt. and bumper cwt.	150	45.72	130 + 50	39.62 + 15.24
With upper cwt. and without bumper cwt.	120	36.58	100 + 50	30.48 + 15.24

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

^②Based on firm, level supporting surface, at speeds up to 5 m.p.h. (8.05 km/hr).

Air pressure in tires to be 100 p.s.i. (7.03 kg/cm²).

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





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GENERAL INFORMATION ONLY



HC-138 jib capacities (representative capacities showing maximum boom and jibs permitted).

Counterweights — Upper clwt. "A" — 18,000# (8,165 kg). Bumper clwt. "AB" — 12,300# (5,579 kg).

Jib — tubular, 30" (.76 m) wide, 24" (.61 m) deep.

Boom — tubular, 54" (1.37 m) wide, 44" (1.12 m) deep with 40" (12.19 m) long tapered tip top section, 1 1/4" (31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Carrier — FMC; 8 x 4 drive, 236" (5.99 m) wheelbase, 11' 0" (3.35 m) wide.

Boom Length	Jib Length Feet Meters	Load Radius		0° Offset						15° Offset						30° Offset					
		Feet Meters		Boom Angle Degree	Jib Point Height Feet Meters	Jib Capacity Pounds Kilograms	Boom Angle Degree	Jib Point Height Feet Meters	Jib Capacity Pounds Kilograms	Boom Angle Degree	Jib Point Height Feet Meters	Jib Capacity Pounds Kilograms	Boom Angle Degree	Jib Point Height Feet Meters	Jib Capacity Pounds Kilograms	Boom Angle Degree	Jib Point Height Feet Meters	Jib Capacity Pounds Kilograms			
		Feet	Meters																		
190' (57.91 m)	20	40	12.19	80.0	215' 4"	65.62	19,800*	8,981*	75.8	210' 2"	64.07	13,300*	6,033*	77.0	208' 4"	63.49	12,400*	5,625*			
		60	18.29	74.4	210' 8"	64.22	13,600*	6,169*	72.9	207' 2"	63.15	11,300*	5,126*	74.1	205' 2"	62.54	10,400*	4,717*			
		70	21.34	71.6	207' 8"	63.31	11,800*	5,352*	70.1	203' 6"	62.03	9,800*	4,445*	71.2	201' 6"	61.42	8,900*	4,037*			
		80	24.38	68.7	204' 0"	62.18	10,100*	4,581*	67.1	199' 4"	60.75	8,500*	3,856*	68.2	197' 4"	60.14	7,600*	3,447*			
		90	27.43	65.8	199' 11"	60.93	8,500	3,856	64.1	194' 6"	59.28	7,100	3,221	63.2	192' 5"	58.64	6,300*	2,858*			
		100	30.48	62.8	195' 0"	59.44	6,800	3,084	61.0	189' 0"	57.61	5,700	2,586	62.0	186' 10"	56.94	5,700*	2,586*			
		110	33.53	59.7	189' 6"	57.76	5,500	2,495	57.8	182' 10"	55.72	4,600	2,087	58.8	180' 6"	55.02	4,800	2,177			
		120	36.58	56.5	183' 4"	55.87	4,400	1,996	54.5	175' 8"	53.55	3,700	1,678	55.4	173' 4"	52.82	3,800	1,724			
	30	130	39.62	53.2	176' 4"	53.74	3,500	1,588	51.0	167' 8"	51.11	2,900	1,315	51.9	165' 2"	50.35	3,000	1,361			
		140	42.67	49.7	168' 4"	51.30	2,700	1,225	47.3	158' 7"	48.34	2,200	998	—	—	—	—	—			
		150	45.72	46.1	159' 4"	48.55	2,100	953	43.4	148' 4"	45.20	1,600	726	—	—	—	—	—			
		160	48.77	42.2	148' 11"	45.38	1,500	680	39.8	137' 4"	42.20	1,100	500	—	—	—	—	—			
		50	15.24	77.8	223' 2"	68.03	14,800*	6,713*	79.6	222' 4"	67.76	12,600*	5,716*	76.1	213' 11"	65.20	8,700*	3,946*			
		70	21.34	72.4	217' 7"	66.32	11,000*	4,990*	74.4	216' 11"	66.11	10,400*	4,717*	73.3	210' 4"	64.10	7,300*	3,311*			
		80	24.38	69.7	214' 4"	65.32	9,300*	4,218*	71.6	213' 5"	65.04	8,700*	3,946*	70.5	206' 4"	62.86	6,100*	2,767*			
		90	27.43	66.9	210' 4"	64.10	8,200*	3,720*	68.9	209' 5"	63.83	7,600*	3,447*	67.6	201' 7"	61.45	5,200*	2,359*			
40	100	30.48	64.1	205' 8"	62.70	6,900	3,130	66.0	204' 10"	62.42	6,500*	2,948*	64.6	196' 4"	59.83	4,500*	2,041*				
	110	33.53	61.2	200' 6"	61.11	5,600	2,540	63.1	199' 7"	60.84	5,600	2,540	61.6	190' 4"	58.90	3,900*	1,769*				
	120	36.58	58.2	194' 7"	59.31	4,500	2,041	60.1	193' 6"	59.04	4,800	2,177	58.4	183' 6"	55.93	3,300*	1,497*				
	130	39.62	55.1	186' 0"	56.69	3,600	1,633	56.9	187' 0"	57.00	3,900	1,769	55.1	175' 11"	53.61	2,900*	1,315*				
	140	42.67	51.9	180' 6"	55.02	2,800	1,270	53.7	179' 6"	54.71	3,000	1,361	—	—	—	—	—				
	150	45.72	48.5	172' 1"	52.46	2,100	953	50.3	171' 1"	52.15	2,400	1,089	—	—	—	—	—				
	160	48.7	45.0	162' 8"	49.59	1,600	726	46.7	161' 7"	49.26	1,800	816	—	—	—	—	—				
	50	15.24	78.3	233' 5"	71.14	11,500*	5,216*	75.7	227' 1"	69.22	9,200*	4,173*	77.9	223' 2"	68.03	7,100*	3,221*				
50	12.19	70	21.34	73.2	228' 2"	69.56	10,000*	4,536*	73.1	223' 10"	68.21	7,800*	3,538*	72.6	215' 10"	67.00	5,900*	2,676*			
		80	24.38	70.6	224' 11"	68.55	8,700*	3,946*	70.4	219' 11"	67.03	6,600*	2,994*	69.5	211' 6"	64.47	4,100*	1,860*			
		90	27.43	68.0	221' 1"	67.39	7,400*	3,357*	67.7	215' 6"	65.68	5,700*	2,586*	67.0	208' 5"	62.91	3,000*	1,368*			
		100	30.48	65.3	216' 8"	66.05	6,400	2,903*	65.0	210' 7"	64.19	4,900*	2,223*	64.1	200' 8"	61.17	3,000*	1,361*			
		110	33.53	62.5	211' 8"	64.53	5,600	2,540	62.1	205' 0"	62.48	4,200*	1,905*	61.1	194' 5"	59.25	2,600*	1,179*			
		120	36.58	59.7	206' 2"	62.65	4,500	2,041	59.2	198' 10"	60.59	3,700*	1,678*	58.0	187' 2"	57.06	2,200*	998*			
		130	39.62	56.8	199' 11"	60.93	3,600	1,633	56.2	191' 8"	58.43	3,200	1,452	54.8	179' 2"	54.62	2,000*	907*			
		140	42.67	53.8	192' 11"	58.80	2,800	1,270	53.0	183' 11"	56.05	2,500	1,134	—	—	—	—	—			
	15.24	150	45.72	50.7	185' 1"	56.42	2,200	998	49.7	175' 1"	53.37	1,900	862	—	—	—	—	—			
		160	48.77	47.4	176' 5"	53.77	1,600	726	46.7	161' 7"	49.26	1,800	862	—	—	—	—	—			
		50	15.24	78.8	243' 8"	74.28	7,700*	3,490*	76.9	237' 7"	72.42	5,700*	2,586*	79.6	233' 2"	71.08	4,900*	2,223*			
		70	21.34	73.9	238' 10"	72.79	7,000*	3,175*	74.4	233' 6"	71.48	5,600*	2,540*	77.1	229' 11"	70.07	4,700*	2,132*			
		80	24.38	71.5	235' 8"	71.84	6,700*	3,039*	71.9	230' 10"	70.35	5,400*	2,449*	74.5	226' 2"	68.95	4,000*	1,814*			
		90	27.43	68.9	232' 0"	70.71	6,400*	2,903*	69.3	226' 6"	69.10	4,900*	2,223*	71.9	222' 0"	67.67	3,300*	1,497*			
		100	30.48	66.4	227' 11"	69.46	5,800*	2,631*	66.7	222' 0"	67.67	4,200*	1,905*	69.2	217' 2"	66.20	2,800*	1,270*			
		110	33.53	63.8	223' 2"	68.03	5,100*	2,313*	64.0	216' 10"	66.08	3,700*	1,678*	66.4	211' 10"	64.56	2,800*	1,270*			
50	120	36.58	61.1	218' 0"	66.45	4,400*	1,996*	61.2	210' 11"	64.31	3,200*	1,452*	63.6	205' 10"	62.73	2,000*	907*				
	130	39.62	58.3	212' 1"	64.65	3,600	1,633	58.4	204' 4"	62.27	2,700*	1,225*	60.7	199' 0"	60.66	1,700*	771*				
	140	42.67	55.5	205' 6"	62.64	2,900	1,315	55.4	197' 0"	60.05	2,400*	1,089*	57.6	191' 6"	58.37	1,500*	680*				
	150	45.72	52.8	198' 4"	60.44	2,200	998	52.3	188' 10"	57.55	2,000	907	—	—	—	—	—				
	160	48.77	49.5	190' 1"	57.94	1,600	726	49.7	183' 11"	56.05	1,500	680	—	—	—	—	—				
	50	15.24	79.6	243' 8"	74.28	7,700*	3,490*	76.9	237' 7"	72.42	5,700*	2,586*	79.6	233' 2"	71.08	4,900*	2,223*				
	70	21.34	73.9	238' 10"	72.79	7,000*	3,175*	74.4	233' 6"	71.48	5,600*	2,540*	77.1	229' 11"	70.07	4,700*	2,132*				
	80	24.38	71.5	235' 8"	71.84	6,700*	3,039*	71.9	230' 10"	70.35	5,400*	2,449*	74.5	226' 2"	68.95	4,000*	1,814*				

① Measured vertically from ground to center of jib peak sheave — machine standing on tires.

② Capacities over side or rear.



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GENERAL INFORMATION ONLY

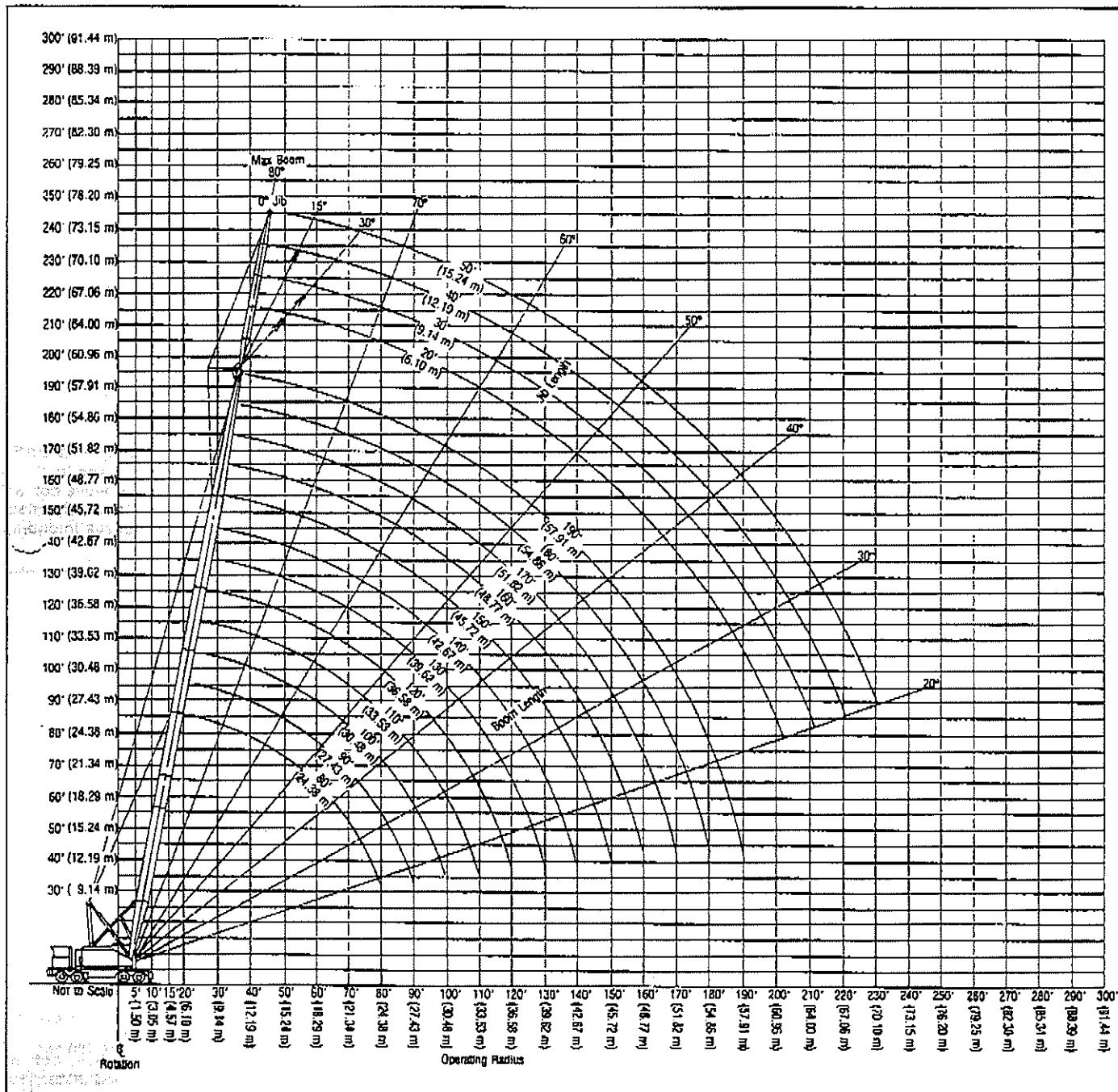
HC-138 boom/jib working ranges

Boom — tubular; 54" (1.37 m) wide, 44" (1.12 m) deep with 40' (12.19 m) long tapered top section, 1 1/4" (31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular; 30" (.76 m) wide, 24" (.61 m) deep.

Carrier — FMC; 8 x 4 drive, 236" (5.99 m) wheelbase, 11' 0" (3.35 m) wide.

Counterweights — Upper cwt. "A" — 18,000# (8,165 kg). Bumper cwt. "A" — 4,300# (1,950 kg). Bumper cwt. "AB" — 12,300# (8,165 kg) required for boom lengths 170' thru 190' (51.82 thru 57.91 m) when used with jib.



FI Corporation Crane and Excavator Division World Headquarters Cedar Rapids Iowa 52406
 Plants: Cedar Rapids Iowa (2) • Lexington & Bowling Green Kentucky • Ontario Canada • Milan Italy • Queretaro Mexico & Nagoya Japan (under license)



Link-Belt Speeder

DIVISION OF FMC CORPORATION



Cedar Rapids, Iowa • Woodstock, Ontario, Canada • Queretaro, Mexico • Milan, Italy

This machine as manufactured conforms with the requirements of:
ANSI B30.5-1988
and, when equipped with suitable load and angle indicating devices, conforms with THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS as listed in the:
FEDERAL REGISTER
Vol. 36 Nos. 75 and 105 (OSHA)

HC-138 CRANE CAPACITIES — HI-LITE TUBULAR BOOM WITH OPEN THROAT TOP SECTION

CRF 19015-2-73 — TABLE A

Refer to ALL notes on reverse side.

PCSA Class 12-319

Based on machine equipped with boom live mast (fully extended), 18,000# upper cwt. "A" and GM 4-71N diesel engine; mounted on std. L-BS 8 x 4 drive carrier, 236" wheelbase, 11' 0" wide, with 14:00 x 20-J (18-ply) rating tires, GM 6-71N diesel engine, front and rear power hydraulic outriggers, and 4,300# bumper cwt. (Boom 44" x 54" at connections with 1 1/4" dia. pendants.)

Length	BOOM			ON OUTRIGGERS		ON TIRES (Static only)	
	Radius (Feet)	Angle (Degree)	Point Height "W"	Rear	Side	Rear	Side
40'	12	77.2	45' 11"	130,000*	130,000*	93,800*	62,100*
	13	75.8	45' 7"	128,000*	127,100*	82,600*	58,200*
	14	74.3	45' 4"	119,700*	119,000*	78,500*	54,800*
	15	72.8	45' 0"	112,500*	111,900*	71,000*	51,700*
	20	65.1	43' 1"	88,000*	85,900*	47,700*	35,500*
	25	56.9	40' 5"	67,500*	66,600*	35,500*	28,100*
	30	47.9	38' 8"	54,300*	49,300*	28,000*	20,300*
	35	37.3	31' 1"	44,800*	38,800*	22,800*	16,400*
50'	40	22.9	22' 5"	37,200*	31,700*	19,100*	13,600*
	13	78.7	55' 11"	127,300*	127,100*	87,800*	68,100*
	14	77.5	55' 8"	119,700*	119,000*	78,700*	54,700*
	15	76.3	55' 5"	112,400*	111,900*	71,200*	51,600*
	20	70.3	53' 11"	89,900*	85,900*	47,800*	35,600*
	25	64.1	51' 10"	67,600*	66,600*	35,600*	26,200*
	30	57.5	48' 11"	54,400*	49,500*	28,100*	20,400*
	35	50.4	45' 5"	45,000*	39,000*	22,900*	16,500*
60'	40	42.5	40' 7"	38,100*	31,800*	19,200*	13,700*
	50	20.5	24' 4"	28,300*	23,000*	14,200*	9,800*
	15	78.6	65' 10"	112,800*	112,000*	71,800*	51,700*
	20	73.7	64' 5"	86,000*	85,900*	48,100*	35,800*
	25	68.7	62' 8"	67,700*	67,400*	35,800*	26,400*
	30	63.4	60' 6"	54,600*	49,600*	28,200*	20,600*
	35	57.9	57' 8"	45,100*	39,200*	23,100*	16,600*
	40	52.1	54' 2"	38,200*	32,100*	19,300*	13,800*
70'	50	38.7	44' 4"	28,500*	23,200*	14,300*	9,900*
	60	18.7	26' 1"	22,000*	17,700*	11,000*	7,400*
	20	76.1	74' 10"	85,900*	85,800*	48,100*	35,900*
	25	71.8	73' 4"	67,600*	67,500*	35,800*	26,400*
	30	67.5	71' 8"	54,600*	49,600*	28,200*	20,500*
	35	62.9	69' 2"	45,000*	39,300*	23,300*	16,600*
	40	58.2	66' 5"	38,100*	32,100*	19,300*	13,700*
	50	48.0	58' 11"	28,500*	23,200*	14,200*	9,900*
80'	60	35.7	47' 10"	22,100*	17,800*	11,000*	7,400*
	70	17.3	27' 7"	17,200*	14,100*	8,600*	5,600*
	20	77.8	85' 0"	85,900*	85,800*	48,100*	35,800*
	25	74.2	83' 10"	67,500*	67,500*	35,700*	26,300*
	30	70.4	82' 2"	54,500*	49,500*	28,100*	20,400*
	35	66.5	80' 2"	44,900*	39,200*	22,900*	16,500*
	40	62.6	77' 11"	38,000*	32,100*	19,200*	13,600*
	50	54.2	71' 10"	28,500*	23,200*	14,100*	9,800*
90'	60	44.7	63' 1"	22,000*	17,700*	10,900*	7,300*
	70	33.3	50' 10"	17,700*	14,500*	8,600*	5,600*
	80	16.2	29' 1"	14,500*	11,400*	6,900*	4,200*
	20	79.2	95' 4"	81,500*	81,500*	48,000*	35,800*
	25	76.0	94' 2"	67,400*	67,400*	35,600*	26,200*
	30	72.8	92' 8"	54,300*	49,300*	28,000*	20,300*
	35	69.3	91' 0"	44,800*	38,800*	22,800*	16,400*
	40	65.8	89' 0"	37,900*	32,000*	19,100*	13,500*
100'	50	58.6	83' 2"	28,400*	23,000*	14,000*	9,700*
	60	50.8	78' 7"	22,000*	17,900*	10,800*	7,200*
	70	42.0	67' 1"	17,600*	14,000*	8,500*	5,500*
	80	31.4	53' 8"	14,500*	11,400*	6,800*	4,200*
	90	15.2	30' 6"	12,100*	9,400*	5,500*	3,100*
	25	77.4	104' 5"	62,200*	62,200*	35,500*	26,100*
	30	74.4	103' 2"	49,800*	49,800*	27,800*	20,200*
	35	71.4	101' 7"	38,600*	38,600*	22,700*	16,300*
100'	40	68.4	99' 10"	32,000*	32,000*	18,900*	13,400*
	50	62.1	95' 2"	25,300*	25,300*	13,900*	9,500*
	60	55.4	89' 1"	22,800*	22,800*	10,600*	7,100*
	70	48.1	48' 1"	17,900*	17,900*	8,400*	5,300*
	80	39.8	39' 8"	14,300*	14,300*	6,700*	4,000*
	90	29.7	58' 5"	12,200*	12,200*	5,400*	3,000*
	100	14.4	31' 10"	10,100*	10,100*	4,300*	2,200*

Length	BOOM			ON OUTRIGGERS		ON TIRES (Static only)	
	Radius (Feet)	Angle (Degree)	Point Height "W"	Rear	Side	Rear	Side
110'	25	78.5	114' 8"	64,800*	64,800*	35,400*	26,000*
	30	75.9	113' 6"	54,000*	49,800*	27,700*	20,100*
	35	73.2	112' 1"	44,500*	39,100*	22,500*	16,100*
	40	70.4	110' 6"	37,900*	31,900*	18,800*	13,300*
	50	64.8	108' 5"	28,200*	22,800*	13,700*	9,400*
	60	58.9	101' 0"	21,700*	17,400*	10,500*	6,900*
	70	52.6	94' 2"	17,400*	13,900*	8,200*	5,200*
	80	45.7	85' 7"	14,200*	11,200*	6,500*	3,800*
120'	90	37.9	74' 5"	11,900*	9,200*	5,200*	2,900*
	100	28.3	59' 0"	10,000*	7,900*	4,200*	2,100*
	110	13.8	33' 0"	8,600*	6,400*	3,300*	1,400*
	30	77.1	123' 10"	53,900*	49,700*	27,600*	20,010*
	35	74.6	122' 6"	44,300*	39,000*	22,400*	16,000*
	40	72.1	121' 1"	37,400*	31,800*	18,600*	13,100*
	50	67.0	117' 4"	28,100*	22,700*	13,600*	9,200*
	60	61.7	112' 6"	21,700*	17,300*	10,300*	6,800*
130'	70	56.2	106' 6"	17,200*	13,600*	8,100*	5,000*
	80	50.2	99' 0"	14,100*	11,000*	6,400*	3,700*
	90	43.6	89' 8"	11,700*	9,100*	5,100*	2,700*
	100	36.2	77' 8"	9,300*	7,500*	4,000*	2,000*
	110	27.1	61' 8"	8,400*	6,300*	3,200*	1,300*
	120	13.2	34' 2"	7,200*	5,200*	2,500*	—
	30	78.1	134' 0"	52,300*	49,700*	27,400*	19,800*
	35	75.8	132' 11"	44,300*	38,900*	22,200*	15,800*
140'	40	73.5	131' 6"	37,200*	31,700*	18,500*	13,000*
	50	68.9	128' 1"	27,900*	22,500*	13,400*	9,100*
	60	64.1	123' 10"	21,400*	17,200*	10,200*	6,600*
	70	59.1	118' 4"	17,100*	13,500*	7,900*	4,900*
	80	53.8	111' 8"	14,000*	10,900*	6,200*	3,600*
	90	48.1	103' 7"	11,700*	9,100*	4,900*	2,600*
	100	41.8	93' 7"	9,800*	7,400*	3,900*	1,800*
	110	34.7	80' 11"	8,300*	6,100*	3,000*	1,200*
150'	120	26.0	63' 10"	7,300*	5,100*	2,300*	—
	130	12.7	35' 4"	6,000*	4,200*	1,700*	—
	30	78.9	144' 2"	42,700*	47,700*	27,300*	19,700*
	35	76.9	143' 2"	34,500*	38,800*	22,100*	15,700*
	40	74.7	141' 11"	27,000*	31,600*	18,300*	12,800*
	50	70.5	138' 10"	22,700*	22,500*	13,300*	8,900*
	60	66.0	134' 10"	18,300*	18,000*	10,000*	6,400*
	70	61.5	129' 11"	16,900*	16,400*	7,700*	4,700*
150'	80	56.7	123' 11"	13,800*	10,700*	6,000*	3,400*
	90	51.7	116' 8"	11,500*	8,900*	4,800*	2,400*
	100	46.2	107' 11"	9,800*	7,200*	3,700*	1,800*
	110	40.3	97' 4"	8,100*	6,000*	2,900*	1,000*
	120	33.4	84' 0"	6,900*	5,000*	2,200*	—
	130	25.0	68' 1"	5,900*	4,100*	1,600*	—
	140	12.2	36' 5"	5,000*	3,400*	1,100*	—
	35	77.7	153' 5"	39,100*	38,200*	21,900*	16,500*
150'	40	75.8	152' 4"	34,900*	31,500*	18,200*	12,600*
	50	71.8	149' 4"	28,700*	22,400*	13,100*	8,800*
	60	67.7	145' 6"	22,200*	18,800*	9,800*	6,300*
	70	63.5	141' 1"	18,800*	15,200*	7,600*	4,500*
	80	59.2	135' 8"	15,700*	10,900*	5,900*	3,200*
	90	54.8	129' 2"	13,300*	9,800*	4,600*	2,200*
	100	49.8	121' 5"	11,300*	7,900*	3,600*	1,500*
	110	44.6	112' 1"	9,700*	6,900*	2,700*	—
150'	120	38.8	100' 11"	8,200*	5,700*	2,000*	—
	130	32.3	85' 11"	7,000*	4,900*	1,400*	—
	140	24.2	68' 4"	6,000*	4,200*	—	—
	150	11.8	37' 6"	5,000*	3,400*	—	—

CRF 19015-2-73 (Superseded capacities shown in Flysheet CRF 19011-5-71)

GENERAL INFORMATION ONLY

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**HC-138 CRANE CAPACITIES**

CRF 19015-2-73 — TABLE A (continued)

BOOM				ON OUTRIGGERS		ON TIRES (Static only)	
Length	Radius (Feet)	Angle (Degree)	Point Height "W"	Rear	Side	Rear	Side
160'	35	78.5	163' 7"	35,000	38,000	21,800	15,400
	40	78.7	162' 6"	31,400	31,300	18,000	12,500
	50	73.0	159' 10"	26,500	22,200	12,900	8,600
	60	69.2	156' 5"	21,000	18,700	9,700	6,100
	70	65.3	152' 2"	16,800	13,100	7,400	4,300
	80	61.3	147' 2"	13,500	10,400	5,700	3,100
	90	57.1	141' 2"	11,100	8,500	4,400	2,100
	100	52.8	134' 5"	9,300	6,900	3,400	1,300
	110	48.1	125' 11"	7,800	5,700	2,500	—
	120	43.1	118' 2"	6,600	4,700	1,800	—
	130	37.6	104' 5"	5,600	3,800	1,300	—
	140	31.2	89' 10"	4,700	3,100	—	—
	150	23.4	70' 5"	4,000	2,500	—	—
	160	11.4	38' 6"	3,300	1,900	—	—
170'	35	79.2	173' 9"	31,300	31,300	21,600	15,200
	40	77.5	172' 9"	28,600	28,600	17,800	12,300
	50	74.0	170' 3"	24,100	22,100	12,800	8,400
	60	70.5	167' 1"	20,300	18,600	9,500	5,900
	70	66.8	163' 2"	16,200	12,900	7,200	4,200
	80	63.1	158' 6"	13,300	10,300	5,500	2,900
	90	59.3	153' 0"	11,000	8,300	4,200	1,900
	100	55.3	146' 7"	9,100	6,700	3,200	1,100
	110	51.1	139' 1"	7,700	5,500	2,400	—
	120	46.8	130' 4"	6,500	4,600	1,700	—
	130	41.7	120' 0"	5,400	3,600	1,100	—
	140	36.4	107' 8"	4,600	2,900	—	—
	150	30.3	92' 8"	3,800	2,300	—	—
	160	22.7	72' 5"	3,200	1,600	—	—
	170	11.1	39' 6"	2,600	1,300	—	—
180'	40	78.2	183' 0"	25,300	25,300	17,700	12,200
	50	74.9	180' 8"	21,300	21,300	12,600	8,300
	60	71.6	177' 8"	17,800	16,400	8,300	5,700
	70	68.2	174' 0"	14,200	12,700	7,000	4,000
	80	64.7	169' 7"	12,200	10,100	5,300	2,700
	90	61.2	164' 8"	10,200	8,100	4,000	1,700
	100	57.5	158' 7"	8,000	6,600	3,000	—
	110	53.8	151' 8"	7,500	5,300	2,200	—
	120	49.5	143' 9"	6,300	4,300	1,500	—
	130	45.2	134' 7"	5,300	3,500	—	—
	140	40.5	123' 9"	4,400	2,800	—	—
	150	35.3	111' 0"	3,700	2,100	—	—
	160	29.4	95' 2"	3,000	1,600	—	—
	170	22.0	84' 5"	2,500	1,100	—	—
	180	10.8	40' 5"	2,000	—	—	—
190'	40	78.8	193' 4"	22,700	22,700	17,500	12,000
	50	75.7	191' 0"	18,800	18,800	12,400	8,100
	60	72.6	188' 12"	14,700	14,700	9,100	5,600
	70	69.4	184' 8"	12,600	12,600	6,800	3,800
	80	66.1	181' 7"	10,800	9,900	5,200	2,500
	90	62.8	174' 11"	9,100	8,000	3,900	1,500
	100	59.4	170' 4"	7,500	6,400	2,600	—
	110	55.8	164' 0"	6,000	5,200	2,000	—
	120	52.1	156' 8"	4,800	4,200	1,300	—
	130	48.1	148' 4"	3,900	3,300	—	—
	140	43.9	138' 8"	3,200	2,600	—	—
	150	39.4	127' 1"	2,500	2,000	—	—
	160	34.4	114' 1"	2,000	1,400	—	—
	170	28.6	97' 8"	1,500	—	—	—
	180	21.5	76' 4"	1,200	—	—	—
	190	10.5	41' 5"	1,000	—	—	—

COMBINED BOOM & JIB LENGTH			
Length	Radius (Feet)	Angle (Degree)	Point Height "W"
40	79.4	203' 5"	—
50	76.5	201' 4"	—
60	73.5	198' 7"	—
70	70.5	195' 4"	—
80	67.4	191' 6"	—
90	64.3	187' 0"	—
100	61.0	181' 10"	—
110	57.7	175' 11"	—
120	54.3	169' 2"	—
130	50.6	161' 6"	—
140	46.8	152' 8"	—
150	42.8	142' 7"	—
160	38.4	130' 11"	—
170	33.5	117' 1"	—
180	27.9	100' 4"	—
190	20.9	79' 2"	—

COMBINED BOOM & JIB LENGTH			
Length	Radius (Feet)	Angle (Degree)	Point Height "W"
40	79.9	213' 7"	—
50	77.1	211' 6"	—
60	74.3	209' 0"	—
70	71.4	205' 11"	—
80	68.5	202' 4"	—
90	65.6	198' 0"	—
100	62.5	193' 2"	—
110	59.4	187' 7"	—
120	56.2	186' 4"	—
130	52.8	174' 2"	—
140	49.3	169' 1"	—
150	45.8	157' 0"	—
160	41.7	148' 6"	—
170	37.4	134' 5"	—
180	32.6	120' 1"	—
190	27.2	102' 8"	—

NOTES — Lifting Crane Capacities

- Capacities shown are in pounds and, unless indicated by an asterisk (*), are based on 85% of minimum tipping loads with machine standing level on firm supporting surface. Deduction from capacities must be made for weight of hook block, hook, sling, spreader bar, and other suspended gear.
- Asterisk indicates capacities based on factors other than those which would cause a tipping condition.
- For lifting 130,000# with 3/4" wire rope, 10-parts of 3/4" dia. Type "N" wire rope are required. Check parts of wire rope required for all capacities.
- Boom live mast must be fixed in extended (23' 0" long) position — with live mast stops in position and operative — for all capacities on this chart.
- When using boom live mast as short boom, maximum lifting capacity of the mast is 18,000# at radii from 10' 0" minimum to 23' 0" maximum with mast fixed in 23' 0" long position, live mast stops in position and operative, and carrier on outriggers.
- Boom midpoint suspension pendants are required for boom lengths exceeding 140'.
- The least stable rated condition is over the side.
- Main boom length, without jib, must not exceed 190'.
- Jib must not be mounted on boom longer than 160'.
- The angles, radii, and point height "W" dimensions for combined boom and jib lengths (200' and 210') are only to be used for determining jib capacities.
- The capacities apply only to the machine as originally manufactured and normally equipped by Link-Belt Speeder.

GENERAL INFORMATION ONLY

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

**Link-Belt Speeder**

DIVISION OF FMC CORPORATION

Cedar Rapids, Iowa • Woodstock, Ontario, Canada • Queretaro, Mexico • Milan, Italy





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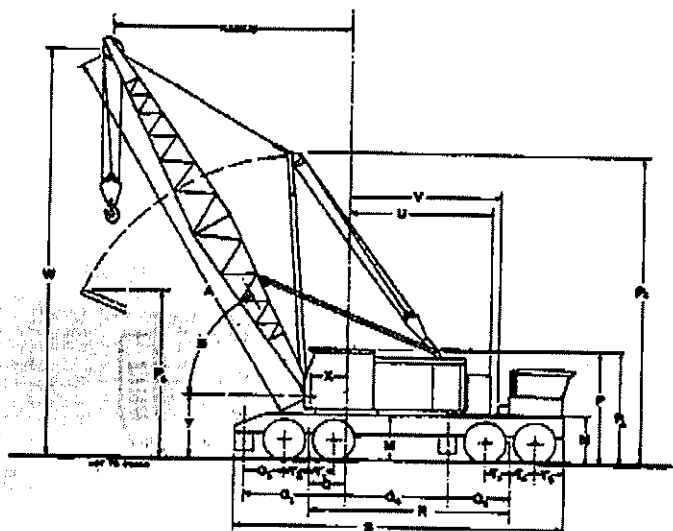


HC-138 Truck Crane Flysheet

4-AXLE CARRIER

TRUCK MOUNTED CRANE (PCSA CLASS 12-320)

GENERAL INFORMATION ONLY



DIMENSIONS		
General		
Boom angle	B	
Over-all height, top of turntable bearing plate	M	4' 6"
Ground clearance under counterweight	N	4' 9"
Centerline rotation to rear axle bogie	O	4' 0"
Centerline rotation to rear outrigger center	O1	9' 9"
Center rear axle to rear outrigger center	O2	3' 7"
Pivot of bogie to front outrigger center	O3	9' 2"
Centerline rotation to front outrigger center	O4	6' 6"
Over-all cab height	P	11' 3"
Over-all height, top of gantry	P1	11' 3"
Wheel base	R	19' 8"
Over-all length with front bumper counterweight	S	32' 6"
Over-all length, front bumper counterweight removed	S	32' 2"
Center rear axle to pivot of bogie	T1 - T2	2' 3"
Center front axle to pivot of bogie	T3 - T4	2' 3"
Center front axle to front bumper	T5	3' 0"
Center front axle to front bumper counterweight	T5	3' 4"
Tailswing of counterweight	U	13' 5"
Centerline rotation to back of truck cab	V	14' 5"
Minimum ground clearance		0' 10"
Over-all cab width		10' 6"
Over-all width outriggers retracted		11' 0"
Over-all width outriggers extended		20' 5"
Tubular Boom		
Basic boom length	A	40' 0"
Over-all height boom gantry vertical	P4	30' 10"
Over-all height boom gantry with boom horizontal	P5	17' 10"
Over-all height at boom peak, boom in travel position (over front)		
Radius of boom hinge pin	X	13' 1"
Height of boom hinge pin	Y	3' 2"
Overall height, boom in travel position with boom gantry retracted and linked to boom		6' 11"
		14' 7"

* Boom gantry is extended. With boom gantry retracted and boom slightly below horizontal. P1 dimension in travel clearance height.

MAXIMUM BOOM LENGTHS MACHINE CAN HANDLE WITHOUT ASSISTANCE

MAXIMUM BOOM LENGTHS MACHINE CAN HANDLE WITHOUT ASSISTANCE	
Maximum boom machine can pick clear of ground over rear and travel①	TUBULAR BOOM
Maximum boom plus jib machine can pick up clear of ground over rear and travel①	140'
Maximum boom machine can pick clear of ground on outriggers, over side	120' + 20' jib
over rear	160'
Maximum boom plus jib machine can pick clear of ground on outriggers, over rear	160'
over side	160' + 50' jib
	150' + 50' jib

① Reduced travel speeds are recommended with long booms with safe speeds dependent on road conditions.

BRIEF SPECIFICATIONS

CARRIER

8 x 4: 14:00 x 20 18-ply rating tires — dual tires on rear tandem axles, single tires on front tandem axles; equalizer beam suspension front and rear; 8-wheel air brakes; power hydraulic steering; planetary rear axles; 50' 10" turning radius over corner of bumper. Standard engine — Waukesha F817G gasoline, 272 maximum brake h.p. at 2,400 r.p.m. governed load speed; 15 speeds forward and 3 reverse. Road speeds up to 41.2 m.p.h.

LIFTING CRANE

Approximate working weight with standard 40' "Hi-Lite" boom, boom gantry but no hook block.....99,530 lbs.
Swing speed 3.36 r.p.m.

Drum	Line Pull	Line Speed
14" hoist (front)	20,200 lbs.	@ 162 f.p.m.
14" hoist (rear)	20,200 lbs.	@ 162 f.p.m.

POWER UNITS

Suitable for operation up to 4,000 ft. above sea level. For operation at higher altitudes, consult factory.

Standard — Waukesha F554G gasoline engine with friction clutch, 6-cylinder, 109 net h.p. @ 1,710 r.p.m. full load speed.

Optional — Waukesha gasoline with hydraulic coupling or two-speed Cora; Diesel, GM4030N, Cummins H743-P175 with torque converter.



LINK-BELT SPEEDER

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HC-138 Maximum Capacities

(Refer to ALL notes, bottom of page)

GENERAL INFORMATION ONLY

Capacities are based on machine equipped with Boom Gantry, 8 x 4 drive Carrier — 11' 0" wide, 14:00 x 20 18-ply rating tires, Power Hydraulic Outriggers, 18,000 lbs: cwt and 4,000 lbs. Bumper cwt.

BOOM				ON OUTRIGGERS		ON TIRES	
Length	Radius	Angle	Point Hr. W.	Rear	Side	Rear	Side
40'	12'	78°	45' 11"	130,000*	130,000*	78,700*	62,310*
	13'	76°	45' 7"	128,040*	127,140*	73,870*	58,430*
	14'	74°	45' 4"	119,790*	119,080*	71,250*	55,010*
	15'	73°	45' 0"	112,500*	111,960*	68,790*	51,930*
	20'	65°	43' 1"	86,000*	85,930*	47,760*	35,510*
	25'	57°	40' 3"	67,530*	66,680*	35,540*	26,140*
	30'	48°	36' 6"	54,380*	49,320*	28,010*	20,370*
	35'	37°	31' 1"	44,890*	38,810*	22,880*	16,460*
	40'	23°	22' 5"	37,240*	31,730*	19,150*	13,600*
	50'	13°	79°	127,360*	127,110*	73,630*	58,370*
50'	14'	78°	45' 8"	119,760*	119,050*	71,010*	54,930*
	15'	76°	55' 5"	112,480*	111,930*	68,560*	51,850*
	20'	70°	53' 11"	85,980*	85,900*	47,890*	35,650*
	25'	64°	51' 10"	67,600*	66,990*	35,650*	26,250*
	30'	58°	48' 11"	54,490*	49,560*	28,100*	20,470*
	35'	50°	45' 5"	45,000*	39,030*	22,980*	16,560*
	40'	43°	40' 7"	38,150*	31,980*	19,270*	13,730*
	50'	21°	24' 4"	28,390*	23,030*	14,220*	9,870*
	15'	79°	65' 10"	112,630*	112,070*	68,410*	51,920*
	20'	74°	64' 5"	86,080*	85,990*	48,170*	35,930*
60'	25'	69°	62' 8"	67,770*	67,420*	35,850*	26,450*
	30'	63°	60' 6"	54,670*	49,800*	28,250*	20,630*
	35'	58°	57' 8"	45,150*	39,270*	23,100*	16,680*
	40'	52°	54' 2"	38,270*	32,160*	19,380*	13,830*
	50'	39°	44' 4"	28,590*	23,270*	14,330*	9,980*
	60'	19°	26' 1"	22,060*	17,760*	11,020*	7,440*
	20'	76°	74' 10"	85,730*	85,840*	48,150*	35,920*
	25'	72°	73' 4"	67,680*	67,530*	35,810*	26,410*
	30'	68°	71' 6"	54,600*	49,930*	28,200*	20,580*
	35'	63°	69' 2"	45,080*	39,300*	23,050*	16,630*
70'	40'	58°	66' 5"	38,190*	32,170*	19,320*	13,780*
	50'	48°	58' 11"	28,580*	23,220*	14,230*	9,930*
	60'	36°	47' 10"	22,100*	17,800*	11,010*	7,430*
	70'	17°	27' 7"	17,710*	14,130*	8,690*	5,650*
	20'	78°	85' 0"	85,750*	85,660*	48,100*	35,870*
	25'	74°	83' 10"	67,560*	67,560*	35,730*	26,340*
	30'	70°	82' 2"	54,500*	49,940*	28,120*	20,490*
	35'	67°	80' 2"	44,980*	39,280*	22,960*	16,540*
	40'	63°	77' 11"	38,090*	32,140*	19,220*	13,690*
	50'	54°	71' 10"	28,520*	23,170*	14,810*	9,840*
80'	60'	45°	63' 1"	22,050*	17,760*	10,930*	7,350*
	70'	33°	50' 10"	17,700*	14,120*	8,640*	5,600*
	80'	16°	29' 1"	14,540*	11,470*	6,920*	4,270*
	20'	79°	95' 4"	81,510*	81,510*	48,030*	35,800*
	25'	76°	94' 2"	67,420*	67,420*	35,440*	26,250*
	30'	73°	92' 8"	54,380*	49,920*	28,010*	20,390*
	35'	69°	91' 0"	44,840*	39,240*	22,840*	16,430*
	40'	66°	89' 0"	37,950*	32,080*	19,110*	13,570*
	50'	59°	83' 2"	28,460*	23,090*	14,060*	9,720*
	60'	51°	76' 7"	21,970*	17,670*	10,810*	7,240*
90'	70'	42°	67' 1"	17,620*	14,040*	8,530*	5,500*
	80'	31°	53' 8"	14,500*	11,420*	6,840*	4,200*
	90'	15°	30' 6"	12,110*	9,420*	5,510*	3,170*
	25'	77°	104' 3"	67,260*	67,260*	35,530*	26,140*
	30'	74°	103' 2"	54,240*	49,890*	27,890*	20,270*
	35'	71°	101' 7"	44,690*	39,180*	22,720*	16,310*
	40'	68°	99' 10"	37,790*	32,010*	18,980*	13,440*
	50'	62°	95' 2"	28,360*	23,000*	13,930*	9,590*
	60'	55°	89' 1"	21,870*	17,570*	10,680*	7,100*
	70'	48°	81' 2"	17,520*	13,940*	8,400*	5,360*
100'	80'	40°	70' 10"	14,400*	11,320*	6,720*	4,080*
	90'	30°	56' 5"	12,040*	9,350*	5,410*	3,070*
	100'	14°	31' 10"	10,170*	7,780*	4,350*	2,250*
	25'	79°	114' 8"	64,820*	64,820*	35,410*	26,030*
	30'	76°	113' 6"	54,090*	49,840*	27,760*	20,150*
	35'	73°	112' 1"	44,530*	39,110*	22,580*	16,170*
	40'	70°	110' 6"	37,630*	31,920*	18,840*	13,300*
	50'	65°	106' 5"	28,260*	22,890*	13,790*	9,440*
	60'	59°	101' 0"	21,750*	17,460*	10,530*	6,960*
	70'	53°	94' 2"	17,400*	13,820*	8,260*	5,220*
110'	80'	46°	85' 7"	14,280*	11,200*	6,580*	3,930*
	90'	38°	74' 5"	11,930*	9,240*	5,280*	2,940*
	100'	28°	59' 0"	10,080*	7,690*	4,240*	2,140*
	110'	14°	33' 0"	8,580*	6,430*	3,370*	1,470*

BOOM				ON OUTRIGGERS		ON TIRES	
Length	Radius	Angle	Point Hr. W.	Rear	Side	Rear	Side
120'	30'	77°	123' 10"	53,930*	49,780*	27,630*	20,010*
	35'	75°	122' 6"	44,370*	39,020*	22,440*	16,030*
	40'	72°	121' 1"	37,460*	31,820*	18,690*	13,160*
	50'	67°	117' 4"	28,140*	22,780*	13,630*	9,290*
	60'	62°	112' 6"	21,620*	17,330*	10,380*	6,800*
	70'	56°	106' 6"	17,270*	13,680*	8,100*	5,060*
	80'	50°	99' 0"	14,140*	11,070*	6,420*	3,780*
	90'	44°	89' 8"	11,790*	9,100*	5,130*	2,790*
	100'	36°	77' 8"	9,960*	7,560*	4,090*	2,000*
	110'	27°	61' 6"	8,470*	6,320*	3,250*	1,350*
130'	120'	13°	34' 2"	7,240*	5,280*	2,520*	—
	30'	78°	134' 0"	52,380*	49,720*	27,490*	19,870*
	35'	76°	132' 11"	44,200*	38,940*	22,290*	15,880*
	40'	74°	131' 6"	37,280*	31,720*	18,540*	13,010*
	50'	69°	128' 1"	27,960*	22,660*	13,470*	9,130*
	60'	64°	123' 10"	21,490*	17,200*	10,210*	6,640*
	70'	59°	118' 4"	17,130*	13,550*	7,940*	4,900*
	80'	54°	111' 8"	14,000*	10,930*	6,260*	3,620*
	90'	48°	103' 7"	11,450*	8,960*	4,960*	2,630*
	100'	42°	93' 7"	9,810*	7,420*	3,940*	1,840*
140'	110'	35°	80' 11"	8,340*	6,190*	3,090*	1,200*
	120'	26°	63' 10"	7,120*	5,160*	2,390*	—
	130'	13°	35' 4"	6,080*	4,290*	1,770*	—
	30'	79°	144' 2"	47,730*	47,730*	27,340*	19,730*
	35'	77°	143' 3"	42,500*	38,840*	22,140*	15,730*
	40'	75°	141' 11"	37,090*	31,610*	18,380*	12,850*
	50'	71°	138' 10"	27,760*	22,530*	13,310*	8,970*
	60'	66°	134' 10"	21,360*	17,060*	10,050*	6,480*
	70'	62°	129' 11"	16,980*	13,400*	7,770*	4,740*
	80'	57°	123' 11"	13,850*	10,780*	6,090*	3,450*
150'	90'	52°	116' 8"	11,500*	8,810*	4,800*	2,460*
	100'	46°	107' 11"	9,660*	7,270*	3,770*	1,680*
	110'	40°	97' 4"	8,190*	6,040*	2,930*	1,040*
	120'	33°	84' 0"	6,980*	5,020*	2,230*	—
	130'	25°	68' 1"	5,960*	4,160*	1,640*	—
	140'	12°	36' 5"	5,070*	3,420*	1,110*	—
	35'	78°	153' 5"	39,180*	38,750*	21,980*	16,580*
	40'	76°	152' 4"	34,890*	31,500*	18,220*	12,690*
	50'	72°	149' 4"	27,320*	22,400*	13,150*	8,800*
	60'	68°	145' 8"	21,210*	16,920*	9,880*	6,310*
160'	70'	64°	141' 1"	16,840*	13,250*	7,600*	4,560*
	80'	59°	135' 8"	13,700*	10,630*	5,920*	3,280*
	90'	55°	127' 2"	11,350*	8,660*	4,620*	2,290*
	100'	50°	121' 5"	9,510*	7,120*	3,600*	1,570*
	110'	45°	112' 1"	8,030*	5,880*	2,760*	—
	120'	39°	100' 11"	6,820*	4,870*	2,070*	—
	130'	32°	86' 11"	5,770*	4,010*	1,470*	—
	140'	24°	68' 4"	4,810*	3,290*	—	—
	150'	12°	37' 6"	4,060*	2,640*	—	—
	35'	79°	163' 7"	36,070*	36,070*	21,830*	15,420*
160'	40'	77°	162' 6"	31,450*	31,380*	18,060*	12,530*
	50'	73°	159' 10"	25,070*	22,270*	12,980*	8,640*
	60'	69°	156' 5"	20,110*	16,770*	9,710*	6,140*
	70'	65°	152' 2"	16,680*	13,100*	7,430*	4,390*
	80'	61°	147' 2"	12,760*	10,470*	5,740*	3,100*
	90'	57°	141' 2"	10,520*	8,500*	4,450*	2,120*
	100'	53°	134' 2"	8,660*	6,960*	3,420*	1,330*
	110'	48°	125' 11"	7,110*	5,720*	2,590*	—
	120'	43°	116' 2"	5,830*	4,710*	1,890*	—
	130'	38°	104' 5"	4,770*	3,860*	1,300*	—
160'	140'	31°	89' 10"	3,770*	3,130*	—	—
	150'	23°	70' 5"	3,130*	2,500*	—	—
	160'	11°	38' 6"	2,540*	1,940*	—	—

*These capacities are the maximum capacities, and are based on factors other than the machine's tipping condition.

LIFTING CRANE

- Notes: 1. For lifting 130,000 lbs. ten parts of 3/4" hoist rope type "N" is required.
2. Capacities shown are in pounds, and unless indicated by an asterisk (*), are based on 85



GENERAL INFORMATION ONLY



Link-Belt® HC-138 lifting crane capacities

PCSA Class 12-314
Refer to Notes page 4

Boom—tubular: 54"(1.37 m) wide, 44"(1.12 m) deep with 5'(1.52 m) long hammerheadtop section, 1¼"(31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Carrier—FMC: 8 x 4 drive, 236"(5.99 m) wheelbase, 11' 0"(3.35 m) wide.

Counterweights— Upper cwt. "A" — 18,000#(8,165 kg). Bumper cwt. "A" — 4,300#(1,950 kg).

Boom						On Outriggers				On Tires (Static)			
Length	Radius		Angle Degrees	Boom Point Height①		Over Rear		Over Side		Over Rear		Over Side	
	Feet	Meters		Feet	Meters	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
25' (7.62 m)	11	3.35	71.7	30' 7"	9.33	130,000*	58,967*	130,000*	58,967*	71,900*	32,813*	59,000*	26,761*
	12	3.66	69.3	30' 3"	9.22	130,000*	58,967*	130,000*	58,967*	69,200*	31,388*	55,000*	24,947*
	13	3.96	66.8	29' 10"	9.10	128,000*	58,059*	127,100*	57,651*	66,700*	30,254*	51,400*	23,314*
	14	4.27	64.3	29' 5"	8.96	119,600*	54,249*	119,000*	53,977*	64,500*	29,256*	48,300*	21,908*
	15	4.57	61.8	28' 11"	8.80	112,300*	50,938*	111,800*	50,711*	62,400*	28,304*	45,500*	20,638*
	16	4.88	59.1	28' 4"	8.63	105,700*	47,944*	105,300*	47,763*	60,500*	27,442*	42,900*	19,459*
	17	5.18	56.4	27' 8"	8.44	99,800*	45,268*	99,600*	45,177*	58,700*	26,625*	40,600*	18,415*
	18	5.49	53.6	27' 0"	8.23	94,500*	42,864*	94,300*	42,773*	55,700*	25,265*	38,500*	17,463*
	19	5.79	50.7	26' 3"	7.99	89,700*	40,687*	89,600*	40,641*	51,700*	23,450*	36,600*	16,601*
	20	6.10	47.7	25' 4"	7.73	85,400*	38,736*	85,300*	38,691*	48,100*	21,817*	34,800*	15,785*
	25	7.62	29.2	19' 1"	5.80	66,100*	29,982*	64,900*	29,438*	35,100*	15,921*	24,900*	11,284*
30' (9.14 m)	12	3.66	72.9	35' 8"	10.93	130,000*	58,967*	130,000*	58,967*	69,300*	31,433*	55,100*	24,992*
	13	3.96	70.9	35' 2"	10.73	128,200*	58,150*	127,300*	57,742*	66,800*	30,299*	51,600*	23,405*
	14	4.27	68.8	34' 10"	10.62	119,900*	54,385*	119,200*	54,068*	64,600*	29,302*	49,500*	21,999*
	15	4.57	66.8	34' 5"	10.49	112,500*	51,029*	112,000*	50,802*	62,500*	28,349*	45,700*	20,729*
	16	4.88	64.7	34' 0"	10.36	106,000*	48,080*	105,600*	47,899*	60,600*	27,487*	43,200*	19,595*
	17	5.18	62.5	33' 8"	10.21	100,100*	45,404*	99,800*	45,268*	58,800*	26,871*	40,900*	18,551*
	18	5.49	60.4	32' 11"	10.04	94,800*	43,000*	94,600*	42,909*	56,200*	25,491*	38,800*	17,599*
	19	5.79	58.2	32' 4"	9.86	90,100*	40,888*	89,900*	40,777*	52,200*	23,677*	36,800*	16,692*
	20	6.10	55.9	31' 8"	9.66	85,700*	38,872*	85,600*	38,827*	48,600*	22,044*	35,100*	15,921*
	25	7.62	43.3	27' 5"	8.36	66,300*	30,299*	66,000*	29,937*	35,800*	16,238*	25,600*	11,611*
	30	9.14	26.8	20' 3"	6.18	53,800*	24,312*	48,200*	21,863*	27,700*	12,564*	19,400*	8,799*
40' (12.19 m)	13	3.96	75.8	45' 8"	13.91	109,400*	49,623*	109,400*	49,623*	66,600*	30,209*	51,400*	23,314*
	14	4.27	74.3	45' 4"	13.83	108,900*	49,395*	108,900*	49,395*	64,300*	29,165*	48,300*	21,908*
	15	4.57	72.8	45' 1"	13.74	108,700*	49,305*	108,700*	49,305*	62,300*	28,258*	45,500*	20,638*
	16	4.88	71.3	44' 9"	13.64	105,800*	47,990*	105,400*	47,808*	60,400*	27,396*	43,000*	19,504*
	17	5.18	69.8	44' 5"	13.53	100,000*	45,359*	99,700*	45,223*	58,600*	26,580*	40,700*	18,481*
	18	5.49	68.2	44' 0"	13.41	94,700*	42,955*	94,500*	42,864*	56,300*	25,537*	38,600*	17,508*
	19	5.79	66.7	43' 7"	13.29	90,000*	40,823*	89,600*	40,732*	52,300*	23,722*	36,700*	16,646*
	20	6.10	65.1	43' 2"	13.15	85,600*	38,827*	85,500*	38,782*	48,700*	22,089*	35,000*	15,875*
	25	7.62	56.9	40' 5"	12.31	67,000*	30,390*	66,400*	30,118*	36,000*	16,329*	25,800*	11,702*
	30	9.14	47.9	36' 6"	11.13	54,000*	24,493*	48,800*	22,135*	28,200*	12,781*	19,900*	9,026*
	40	12.19	37.3	31' 1"	9.47	44,900*	20,366*	38,100*	17,281*	22,800*	10,341*	15,800*	7,166*
	45	12.19	23.0	22' 6"	6.85	37,900*	17,191*	30,800*	13,970*	18,800*	8,527*	12,800*	5,805*
50' (15.24 m)	16	4.88	76.3	55' 5"	16.90	99,800*	45,177*	99,600*	45,177*	62,100*	28,168*	45,400*	20,593*
	17	5.18	75.1	55' 2"	16.82	98,800*	44,814*	98,800*	44,814*	60,200*	27,306*	42,900*	19,459*
	18	5.49	73.9	54' 11"	16.74	98,100*	44,497*	98,100*	44,497*	58,400*	26,489*	40,700*	18,481*
	19	5.79	72.7	54' 7"	16.65	94,700*	42,955*	94,500*	42,864*	56,500*	25,627*	38,600*	17,508*
	20	6.10	70.3	53' 11"	16.44	89,900*	40,777*	89,800*	40,732*	52,500*	23,813*	36,700*	16,646*
	25	7.62	64.1	51' 10"	15.80	85,600*	38,827*	85,500*	38,782*	48,900*	22,180*	34,900*	15,830*
	30	9.14	57.5	49' 1"	14.95	87,100*	30,436*	86,900*	30,345*	36,200*	16,420*	26,000*	11,793*
	35	10.67	50.5	45' 5"	13.84	77,100*	24,539*	76,900*	24,316*	28,400*	12,882*	20,100*	9,117*
	40	12.19	42.6	40' 8"	12.40	65,100*	20,457*	64,800*	17,463*	23,000*	10,432*	16,100*	7,302*
	50	15.24	20.5	24' 5"	7.43	38,300*	17,372*	31,400*	14,242*	19,100*	8,663*	13,200*	5,987*
					28,000*	12,700*	22,200*	10,069*	13,800*	6,259*	9,100*	4,127*	
60' (18.29 m)	16	4.88	77.7	55' 6"	19.96	92,700*	42,048*	92,700*	42,048*	60,200*	27,306*	43,000*	19,504*
	17	5.18	76.7	55' 3"	19.89	91,600*	41,549*	91,600*	41,549*	58,400*	26,489*	40,700*	18,461*
	18	5.49	75.7	55' 0"	19.81	90,700*	41,140*	90,700*	41,140*	56,700*	25,718*	38,700*	17,554*
	19	5.79	74.7	54' 9"	19.73	89,800*	40,732*	89,800*	40,732*	52,900*	23,995*	36,800*	16,692*
	20	6.10	73.7	54' 5"	19.64	85,700*	38,872*	85,600*	38,827*	49,300*	22,362*	35,000*	15,875*
	25	7.62	68.7	52' 9"	19.13	67,300*	30,526*	67,300*	30,526*	36,500*	16,556*	28,300*	11,929*
	30	9.14	63.4	50' 6"	18.45	54,300*	24,630*	54,000*	24,543*	28,500*	12,972*	20,300*	9,207*
	35	10.67	58.0	57' 9"	17.59	45,300*	20,547*	45,000*	20,502*	39,000*	17,690*	23,200*	10,523*
	40	12.19	52.1	54' 3"	16.53	38,500*	17,463*	38,300*	17,417*	31,800*	14,424*	19,300*	8,754*
	50	15.24	38.7	44' 4"	13.52	28,400*	12,882*	22,600*	10,251*	14,100*	6,395*	9,400*	4,263*
	60	18.29	18.7	26' 1"	7.96	21,600*	9,797*	17,000*	7,711*	10,500*	4,762*	8,600*	2,993*
70' (21.34 m)	18	5.49	77.8	75' 3"	22.94	87,100*	39,507*	87,100*	39,507*	58,400*	25,582*	38,500*	17,463*
	19	5.79	76.9	75' 1"	22.87	86,100*	39,054*	86,100*	39,054*	52,800*	23,949*	36,600*	16,601*
	20	6.10	76.1	74' 10"	22.80	85,000*	38,555*	85,000*	38,555*	49,300*	22,362*	34,800*	15,785*
	25	7.62	71.8	73' 4"	22.36	67,200*	30,481*	67,200*	30,481*	38,400*	16,510*	26,300*	11,929*
	30	9.14	67.5	71' 6"	21.80	54,200*	24,584*	49,800*	22,588*	28,600*	12,972*	20,300*	9,207*
	35	10.67	63.0	69' 2"	21.08	45,200*	20,502*	39,000*	17,690*	23,200*	10,523*	18,300*	7,393*
	40	12.19	58.3	66' 5"	20.23	38,400*	17,417*	31,800*	14,424*	19,300*	8,754*	13,300*	6,032*
	50	15.24	48.0	58' 11"	17.95	28,400*	12,882*	22,700*	10,296*	14,100*	6,395*	9,400*	4,263*
	60	18.29	35.7	47' 9"	14.55	21,800*	9,888*	17,100*	7,756*	10,700*	4,853*	8,800*	3,084*
	70	21.34	17.3	27' 8"	8.44	17,200*	7,801*	13,300*	6,032*	8,200*	3,719*	4,800*	2,177*

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

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(continued)

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GENERAL INFORMATION ONLY

HC-138 lifting crane capacities

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Boom						On Outriggers				On Tires (Static)			
Length	Radius		Angle	Point Height①		Over Rear		Over Side		Over Rear		Over Side	
	Feet	Meters	Degrees	Feet	Meters	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
80' (24.38 m)	20	6.10	77.9	85' 1"	25.93	78,500*	35,607*	78,500*	35,607*	49,300	22,362	34,600*	15,694*
	25	7.62	74.2	83' 10"	25.55	67,100*	30,436*	67,100*	30,436*	36,400	16,510	26,200	11,884
	30	9.14	70.4	82' 3"	25.06	54,100*	24,539*	49,800	22,588	28,500	12,927	20,200	9,182
	35	10.67	66.6	80' 3"	24.46	45,100*	20,467*	38,900	17,644	23,100	10,477	16,200	7,348
	40	12.19	62.6	77' 11"	23.74	38,300*	17,372*	31,800	14,424	19,200	8,708	13,300	6,032
	50	15.24	54.2	71' 9"	21.88	28,400	12,882	22,600	10,251	14,000	6,350	9,300	4,218
	60	18.29	44.7	63' 2"	19.25	21,800	9,888	17,100	7,756	10,600	4,808	6,700	3,039
	70	21.34	33.3	50' 10"	15.49	17,300	7,847	13,400	6,078	8,200	3,719	4,900	2,222
90' (27.43 m)	80	24.38	16.2	29' 2"	8.89	14,000	6,350	10,700	4,853	6,300	2,857	3,500	1,587
	25	7.62	78.0	94' 2"	28.70	66,900*	30,345*	66,900*	30,345*	36,300	16,465	26,100	11,838
	30	9.14	72.7	92' 9"	28.28	53,900*	24,448*	49,800	22,588	28,400	12,882	20,100	9,117
	35	10.67	69.3	91' 1"	27.75	44,900*	20,368*	38,900	17,644	23,000	10,432	16,100	7,302
	40	12.19	65.8	89' 0"	27.12	38,100*	17,281*	31,700	14,378	19,100	8,663	13,200	5,987
	50	15.24	58.6	83' 9"	25.52	28,300	12,836	22,600	10,251	13,900	6,304	9,200	4,173
	60	18.29	50.8	76' 8"	23.36	21,700	9,842	17,000	7,711	10,500	4,782	6,600	2,993
	70	21.34	42.1	67' 2"	20.46	17,200	7,801	13,400	6,078	8,100	3,674	4,800	2,177
100' (30.48 m)	80	24.38	31.4	53' 9"	16.38	14,000	6,350	10,700	4,853	6,300	2,857	3,500	1,587
	90	27.43	15.3	30' 6"	9.31	11,500	5,216	8,600	3,900	4,900	2,222	2,300	1,043
	25	7.62	77.4	104' 5"	31.84	63,100*	28,821*	63,100*	28,821*	36,100	16,374	26,000	11,793
	30	9.14	74.4	103' 2"	31.45	53,700*	24,357*	49,700	22,543	28,300	12,838	20,000	9,071
	35	10.67	71.4	101' 8"	30.99	44,700*	20,275*	38,800	17,599	22,900	10,387	16,000	7,257
	40	12.19	68.4	99' 10"	30.43	37,900*	17,191*	31,600	14,333	18,900	8,572	13,000	5,898
	50	15.24	62.1	95' 3"	29.02	28,200	12,791	22,400	10,180	13,800	6,259	9,000	4,082
	60	18.29	55.4	89' 2"	27.17	21,800	9,797	18,900	7,665	10,400	4,717	6,500	2,948
110' (33 m)	70	21.34	48.1	81' 3"	24.76	17,100	7,756	13,300	6,032	8,000	3,628	4,700	2,131
	80	24.38	39.8	70' 10"	21.60	13,900	6,304	10,600	4,808	6,200	2,812	3,300	1,498
	90	27.43	29.7	56' 6"	17.21	11,500	5,216	8,600	3,900	4,800	2,177	2,300	1,043
	100	30.48	14.5	31' 10"	9.70	9,500	4,309	6,900	3,129	3,700	1,678	1,400	635
	25	7.62	78.6	114' 8"	34.95	58,300*	26,444*	58,300*	26,444*	36,000	16,329	25,900	11,748
	30	9.14	75.9	113' 6"	34.61	53,500*	24,267*	49,700	22,543	28,100	12,745	19,800	8,981
	35	10.67	73.2	112' 2"	34.18	44,500*	20,184*	38,700	17,554	22,700	10,295	15,800	7,188
	40	12.19	70.4	110' 6"	33.68	37,700*	17,100*	31,500	14,288	18,800	8,527	12,900	5,851
120' (36.58 m)	50	15.24	64.8	106' 5"	32.43	28,100	12,745	22,300	10,115	13,600	6,168	8,900	4,036
	60	18.29	58.9	101' 1"	30.80	21,400	9,706	16,800	7,620	10,200	4,626	6,300	2,857
	70	21.34	52.6	94' 3"	28.72	17,000	7,711	13,200	5,987	7,800	3,538	4,500	2,041
	80	24.38	45.7	85' 7"	26.09	13,800	6,259	10,500	4,762	6,100	2,766	3,200	1,451
	90	27.43	37.9	74' 5"	22.67	11,400	5,170	8,500	3,855	4,700	2,131	2,200	997
	100	30.48	28.3	59' 1"	18.00	9,500	4,309	6,900	3,129	3,600	1,632	1,300	589
	110	33.53	13.8	33' 1"	10.08	7,900	3,583	5,600	2,540	2,700	1,224	—	—
	30	9.14	77.1	123' 10"	37.74	51,500*	23,360*	49,800	22,498	28,000	12,700	19,700	8,935
130' (39.62 m)	35	10.67	74.6	122' 7"	37.36	44,200*	20,048*	38,700	17,554	22,500	10,205	15,700	7,121
	40	12.19	72.1	121' 1"	36.90	37,500*	17,009*	31,400	14,242	18,600	8,436	12,700	5,760
	50	15.24	67.0	117' 4"	35.77	28,000	12,700	22,200	10,069	13,400	6,078	8,700	3,946
	60	18.29	61.7	112' 7"	34.31	21,300	9,681	15,600	7,529	10,000	4,535	6,100	2,766
	70	21.34	56.2	106' 6"	32.47	16,800	7,620	13,000	5,896	7,600	3,447	4,300	1,950
	80	24.38	50.2	99' 0"	30.19	13,700	6,214	10,300	4,672	5,900	2,676	3,000	1,360
	90	27.43	43.6	89' 8"	27.34	11,200	5,080	8,300	3,764	4,500	2,041	2,000	907
	100	30.48	36.2	77' 9"	23.70	9,300	4,218	6,800	3,084	3,400	1,542	1,200	544
140' (42.67 m)	110	33.53	27.1	61' 6"	18.75	7,800	3,538	5,500	2,494	2,600	1,179	—	—
	120	36.58	13.2	34' 3"	10.44	6,500	2,948	4,400	1,995	1,800	816	—	—
	30	9.14	78.1	134' 1"	40.86	47,100*	21,364*	47,100*	21,364*	27,800	12,609	19,500	8,845
	35	10.67	75.8	132' 11"	40.51	44,000*	19,958*	38,500	17,463	22,400	10,160	15,500	7,030
	40	12.19	73.5	131' 6"	40.09	37,300*	16,918*	31,300	14,197	18,400	8,346	12,500	5,669
	50	15.24	68.9	128' 2"	38.05	27,800	12,609	22,100	10,024	13,300	6,032	8,500	3,855
	60	18.29	64.1	123' 9"	37.73	21,100	9,570	18,600	7,529	9,800	4,445	6,000	2,721
	70	21.34	59.1	118' 4"	36.08	16,600	7,529	12,900	5,851	7,500	3,401	4,200	1,905
150' (45.72 m)	80	24.38	53.8	111' 9"	34.05	13,500	6,123	10,200	4,626	5,700	2,585	2,800	1,270
	90	27.43	48.1	103' 7"	31.58	11,100	5,034	8,200	3,719	4,300	1,950	1,800	816
	100	30.48	41.9	93' 7"	28.53	9,200	4,173	6,600	2,993	3,300	1,496	1,000	453
	110	33.53	34.7	80' 11"	24.67	7,700	3,492	5,300	2,404	2,400	1,088	—	—
	120	36.58	26.0	63' 11"	19.47	6,400	2,902	4,300	1,950	1,600	725	—	—
	130	39.62	12.7	35' 5"	10.79	5,300	2,404	3,400	1,642	1,000	453	—	—
	30	9.14	79.0	144' 3"	43.97	43,400*	19,685*	43,100*	19,549*	27,600	12,519	19,300	8,754
	35	10.67	78.9	143' 2"	43.65	41,800*	18,960*	38,400	17,417	22,200	10,068	15,300	6,939
160' (48.77 m)	40	12.19	74.7	141' 11"	43.26	37,000*	16,782*	31,200	14,152	18,200	8,255	12,400	5,624
	50	15.24	70.5	138' 10"	42.30	27,700*	12,564*	21,900	9,933	13,100	5,942	8,300	3,784
	60	18.29	66.1	134' 10"	41.09	21,000	9,525	16,400	7,438	9,700	4,399	5,800	2,630
	70	21.34	61.5	129' 11"	39.59	16,600	7,529	12,700	5,760	7,300	3,311	4,000	1,814
	80	24.38	56.7	123' 11"	37.76	13,300	6,032	10,000	4,535	5,500	2,494	2,600	1,179
	90	27.43	51.7	116' 8"	35.56	10,900	4,944	8,000	3,628	4,200	1,905	1,800	816
	100	30.48	46.2	108' 0"	32.91	9,000	4,082	6,400	2,902	3,100	1,408	—	—
	110	33.53	40.3	97' 4"	29.67	7,500	3,401	5,200	2,358	2,200	997	—	—
170' (51.82 m)	120	36.58	33.4	84' 0"	25.80	6,200	2,812	4,100	1,859	1,500	680	—	—
	130	39.62	25.1	66' 2"	20.16	5,200	2,358	3,300	1,496	—	—	—	—
	140	42.67	12.2	38' 6"	11.12	4,300	1,950	2,500	1,133	—	—	—	—

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

(continued)



GENERAL INFORMATION ONLY

HC-138 lifting crane capacities

Refer to Notes page 4

Length	Boom					On Outriggers				On Tires (Static)			
	Radius		Angle Degree	Boom Point Height ^①		Over Rear		Over Side		Over Rear		Over Side	
	Feet	Meters		Feet	Meters	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms	Pounds	Kilograms
150' (45.72 m)	35	10.67	77.7	153' 5"	46.77	38,600*	17,508*	38,300	17,372				
	40	12.19	75.8	152' 3"	46.41	36,800*	16,692*	31,100	14,106				
	50	15.24	71.8	149' 4"	45.53	27,400*	12,428*	21,700	9,842				
	60	18.29	67.7	145' 8"	44.40	20,800	9,434	18,300	7,393				
	70	21.34	63.5	141' 2"	43.02	16,400	7,438	12,500	5,669				
	80	24.38	59.2	135' 8"	41.36	13,100	5,942	9,800	4,445				
	90	27.43	54.6	129' 2"	39.37	10,700	4,853	7,800	3,538				
	100	30.48	49.8	121' 5"	37.01	8,800	3,991	6,200	2,812				
	110	33.53	44.6	112' 2"	34.19	7,300	3,311	5,000	2,267				
	120	36.58	38.8	100' 11"	30.77	6,000	2,721	3,900	1,769				
	130	39.62	32.3	86' 11"	26.50	5,000	2,267	3,000	1,360				
160' (48.77 m)	140	42.67	24.2	68' 4"	20.82	4,100	1,859	2,300	1,043				
	150	45.72	11.8	37' 6"	11.44	3,300	1,486	1,600	725				
	35	10.67	78.5	163' 8"	49.88	32,700*	14,832*	32,700*	14,832*				
	40	12.19	76.7	162' 7"	49.55	32,200*	14,605*	30,900	14,016				
	50	15.24	73.0	159' 10"	48.72	27,200*	12,337*	21,800	9,797				
	60	18.29	69.2	156' 5"	47.68	20,600	9,344	16,100	7,302				
	70	21.34	65.3	152' 3"	46.40	16,200	7,348	12,300	5,579				
	80	24.38	61.3	147' 2"	44.87	13,000	5,898	9,600	4,354				
	90	27.43	57.1	141' 3"	43.05	10,500	4,762	7,600	3,447				
	100	30.48	52.8	134' 3"	40.91	8,800	3,900	6,000	2,721				
	110	33.53	48.1	128' 0"	38.40	7,100	3,220	4,800	2,177				
170' (51.82 m)	120	36.58	43.1	118' 2"	35.41	5,900	2,676	3,700	1,678				
	130	39.62	37.6	104' 5"	31.82	4,800	2,177	2,900	1,315				
	140	42.67	31.2	89' 9"	27.37	3,900	1,769	2,100	952				
	150	45.72	23.4	70' 5"	21.47	3,100	1,408	1,500	680				
	160	48.77	11.4	38' 7"	11.75	2,400	1,088	—	—				
	40	12.19	77.5	172' 10"	52.88	28,100*	12,745*	28,100*	12,745*				
	50	15.24	74.0	170' 3"	51.90	24,100*	10,931*	21,400	9,706				
	60	18.29	70.5	167' 1"	50.93	20,200*	9,182*	15,900	7,212				
	70	21.34	66.9	163' 2"	49.74	16,000	7,257	12,200	5,533				
	80	24.38	63.1	158' 8"	48.31	12,800	5,805	9,500	4,309				
	90	27.43	59.3	153' 0"	46.64	10,300	4,672	7,400	3,356				
180' (54.86 m)	100	30.48	55.3	146' 7"	44.68	8,400	3,810	5,900	2,676				
	110	33.53	51.1	139' 1"	42.40	6,900	3,129	4,600*	2,086				
	120	36.58	46.6	130' 4"	39.73	5,700	2,585	3,500	1,587				
	130	39.62	41.7	120' 1"	36.59	4,600	2,086	2,700	1,224				
	140	42.67	36.4	107' 8"	32.84	3,700	1,678	1,900	881				
	150	45.72	30.3	92' 6"	28.21	3,000	1,360	1,300	589				
	160	48.77	22.7	72' 6"	22.09	2,300	1,043	—	—				
	170	51.82	11.1	39' 6"	12.05	1,700	771	—	—				
	40	12.19	78.2	183' 1"	55.79	24,900*	11,294*	24,900*	11,294*				
	50	15.24	74.9	180' 8"	55.07	21,200*	9,616*	21,200*	9,616*				
	60	18.29	71.6	177' 8"	54.15	17,700*	8,028*	15,800	7,166				
190' (57.91 m)	70	21.34	68.2	174' 0"	53.03	14,100*	6,395*	12,000	5,443				
	80	24.38	64.7	169' 8"	51.71	12,100*	5,488*	9,300	4,218				
	90	27.43	61.2	164' 6"	50.15	10,200	4,628	7,200	3,265				
	100	30.48	57.5	158' 7"	48.34	8,200	3,719	5,700	2,585				
	110	33.53	53.8	151' 9"	46.25	6,700	3,039	4,400	1,995				
	120	36.58	49.5	143' 10"	43.83	5,500	2,494	3,300	1,496				
	130	39.62	45.2	134' 7"	41.02	4,400	1,995	2,500	1,133				
	140	42.67	40.5	123' 10"	37.74	3,500	1,587	1,700	771				
	150	45.72	35.3	111' 0"	33.83	2,800	1,270	1,100	498				
	160	48.77	29.4	95' 2"	29.02	2,100	952	—	—				
	170	51.82	22.1	74' 5"	22.69	1,500	680	—	—				
200' (60.96 m)	180	54.86	10.8	40' 6"	12.34	1,000	453	—	—				
	40	12.19	78.8	193' 3"	58.90	22,300*	10,115*	22,300*	10,115*				
	50	15.24	75.7	191' 0"	58.22	18,800*	8,527*	18,800*	8,527*				
	60	18.29	72.6	188' 2"	57.35	14,700*	6,667*	14,700*	6,667*				
	70	21.34	69.4	184' 9"	56.30	12,400*	5,624*	11,800	5,352				
	80	24.38	66.1	180' 8"	55.08	10,600*	4,808*	9,100	4,127				
	90	27.43	62.8	175' 10"	53.50	9,100*	4,127*	7,100	3,220				
	100	30.48	59.4	170' 4"	51.92	7,800*	3,538*	5,600	2,494				
	110	33.53	55.8	164' 0"	49.98	6,500	2,948	4,200	1,905				
	120	36.58	52.1	156' 8"	47.76	5,300	2,404	3,100	1,406				
	130	39.62	48.1	148' 4"	45.21	4,200	1,905	2,300	1,043				
	140	42.67	43.9	138' 8"	42.27	3,300	1,498	1,500	680				
	150	45.72	39.4	127' 5"	38.85	2,600	1,179	—	—				
	160	48.77	34.4	114' 1"	34.78	1,900	861	—	—				
	170	51.82	28.6	97' 9"	29.81	1,300	588	—	—				

Not Applicable

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

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



GENERAL INFORMATION ONLY



HC-138 lifting crane capacities

Notes — lifting crane capacities

- Capacities included in this chart are maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are not more than 85% of minimum tipping load.
 - 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, inflation of tires, and operating speeds. Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.
- On tires (static) loads are defined as loads handled without machine travel or with machine travel at creep speeds only.

- Boom point height dimensions based on machine standing on tires.
- Least stable rated condition is over the side.
- 54" x 44" (1.37 x 1.12 m) tubular boom with 5' hammerhead top section — for lifting 130,000# (58,967 kg) with 3/4" (19.05 mm) rope, 10-parts of 3/4" (19.05 mm) Type "N" wire rope are required.
- Boom live mast must be fixed in pinned, retracted, 19' 1" (5.82 m) length for 25' (7.62 m) and 30' (9.14 m) booms, and fixed in pinned, extended 23' 0" (7.01 m) length for booms over 30' (9.14 m) long. Boom stops must be in proper working position at all times.
- When using boom live mast as a short boom, maximum lifting capacity of mast is 18,000# (8,165 kg), with 3-parts of 3/4" (19.05 mm) Type "N" wire rope, from 10' (3.05 m) minimum radius to 23' (7.01 m) maximum radius. Boom live mast must be in pinned, extended 23' 0" (7.01 m)

length, mast stops in proper working position, and carrier on outriggers.

Note: Use of live mast as short boom is intended for machine assembly or disassembly only. It should not be used for general crane service.

- Use of boom midpoint suspension pendants are required for boom lengths exceeding 140' (42.67 m).
- When swinging rated load from rear to side of carrier, allowance must be made for any deflections which cause load radius to increase.
- Main boom length, without jib, must not exceed 190' (57.91 m).
- Jib cannot be used on main boom longer than 160' (48.77 m), and maximum jib length permitted on 160' (48.77 m) boom is 50' (15.24 m).
- These capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Crane and Excavator Division.

Boom — tubular; 54" (1.37 m) wide, 44" (1.12 m) deep with 5' (1.52 m) long hammerhead top section, 1 1/4" (31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular; 30" (.76 m) wide, 24" (.61 m) deep.

Carrier — FMC; 8 x 4 drive, 236" (5.99 m) wheelbase, 11' 0" (3.35 m) wide.

Counterweights — upper cwt. "A" — 18,000# (8,165 kg). Bumper cwt. "A" — 4,300# (1,950 kg).

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

Standard machine equipped with cwt. above and boom live mast.	Over Rear				Over Side			
	Boom		Boom + Jib		Boom		Boom + Jib	
	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
On outriggers —								
With both upper cwt. and bumper cwt.	190	57.91	160 + 50	48.77 + 15.24	160	48.77	140 + 50	42.67 + 15.24
With upper cwt. and without bumper cwt.	170	51.82	150 + 50	45.72 + 15.24	160	48.77	130 + 50	39.62 + 15.24
On tires^② —								
With both upper cwt. and bumper cwt.	130	39.62	110 + 50	33.53 + 15.24	100	30.48	80 + 50	24.38 + 15.24
With upper cwt. and without bumper cwt.	120	36.58	100 + 50	30.48 + 15.24	100	30.48	80 + 50	24.38 + 15.24

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

Standard machine equipped with cwt. above and boom live mast.	On Tires Over Rear ^②			
	Boom		Boom + Jib	
	Feet	Meters	Feet	Meters
With both upper cwt. and bumper cwt.	120	36.58	100 + 50	30.48 + 15.24
With upper cwt. and without bumper cwt.	110	33.53	90 + 50	27.43 + 15.24

^① blocks on ground and machine standing level on firm supporting surface.

^② Based on firm, level supporting surface, at speeds up to 5 m.p.h. (8.05 km/hr).



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HC-138 jib capacities (representative capacities showing maximum boom and jibs permitted).

Boom — tubular; 54" (1.37 m) wide, 44" (1.12 m) deep with 5" (1.52 m) long hammerhead top section, 1 1/4" (31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib — tubular; 30" (76 m) wide, 24" (.61 m) deep

Counterweights — Upper chwl. "A" — 18,000# (8,165 kg) Bumper chwl. "A" — 4,300# (1,950 kg).

Carrier — FMC; 8 x 4 drive, 236" (5.99 m) wheelbase, 11" 0" (3.35 m) wide.

Boom Length	Jib Length	Load Radius	Jib Angle to Boom											
			0° Offset				15° Offset				30° Offset			
			Boom Angle	Point Height	Jib Height	Jib Capacity	Boom Angle	Point Height	Jib Height	Jib Capacity	Boom Angle	Point Height	Jib Height	Jib Capacity
			Feet	Meters	Feet	Pounds	Feet	Meters	Feet	Pounds	Feet	Meters	Feet	Pounds
150' (45.7 m)	20	40	78.2	23.8	55.96	19,600	79.8	24.3	57.36	16,500	78.0	23.8	54.82	13,000
		50	75.0	22.9	55.23	18,800	76.6	23.3	55.14	15,700	74.6	22.8	53.71	12,400
		60	71.6	21.9	54.32	18,000	73.2	22.3	54.22	15,000	71.2	21.7	52.58	11,800
		70	68.3	21.3	53.22	17,100	69.8	20.7	53.13	14,100	67.7	20.6	51.24	9,300
		80	64.8	20.3	51.84	16,000	66.4	20.0	51.82	13,000	64.0	19.5	49.68	7,200
		90	61.2	19.2	50.35	14,800	62.8	18.9	50.26	11,900	60.3	18.3	47.85	5,700
		100	57.6	18.0	48.55	13,500	59.1	17.6	48.46	10,800	56.4	17.0	45.72	4,400
		110	53.7	16.8	46.48	12,000	55.2	16.2	46.36	9,500	52.2	15.7	43.28	3,400
		120	49.7	15.5	44.07	10,500	51.1	14.8	43.95	8,200	48.3	14.4	40.90	2,600
		130	45.4	14.1	41.27	9,000	46.8	13.9	41.15	7,000	44.1	13.4	38.89	2,000
		140	40.7	12.4	38.01	7,500	42.1	12.8	37.89	5,800	40.0	12.2	36.58	1,500
		150	36.9	11.2	35.01	6,000	38.5	11.7	34.89	4,500	36.5	11.1	34.28	1,100
120' (36.6 m)	30	40	78.9	23.9	56.01	19,600	79.8	24.3	57.36	16,500	78.0	23.8	54.82	13,000
		50	75.6	23.0	55.28	18,800	76.6	23.3	55.14	15,700	74.6	22.8	53.71	12,400
		60	72.6	22.1	54.32	18,000	73.2	22.3	54.22	15,000	71.2	21.7	52.58	11,800
		70	69.5	21.2	53.22	17,100	69.8	20.7	53.13	14,100	67.7	20.6	51.24	9,300
		80	66.2	20.3	51.84	16,000	66.4	20.0	51.82	13,000	64.0	19.5	49.68	7,200
		90	62.9	19.2	50.35	14,800	62.8	18.9	50.26	11,900	60.3	18.3	47.85	5,700
		100	59.4	18.0	48.55	13,500	59.1	17.6	48.46	10,800	56.4	17.0	45.72	4,400
		110	55.9	16.8	46.48	12,000	55.2	16.2	46.36	9,500	52.2	15.7	43.28	3,400
		120	52.2	15.5	44.07	10,500	51.1	14.8	43.95	8,200	48.3	14.4	40.90	2,600
		130	48.3	14.1	41.27	9,000	46.8	13.9	41.15	7,000	44.1	13.4	38.89	2,000
		140	44.1	12.4	38.01	7,500	42.1	12.8	37.89	5,800	40.0	12.2	36.58	1,500
		150	40.7	11.2	35.01	6,000	38.5	11.7	34.89	4,500	36.5	11.1	34.28	1,100
90' (27.4 m)	40	40	79.4	23.6	56.12	19,600	79.8	24.3	57.36	16,500	78.0	23.8	54.82	13,000
		50	76.1	22.7	55.39	18,800	76.6	23.3	55.14	15,700	74.6	22.8	53.71	12,400
		60	73.5	21.8	54.48	18,000	73.2	22.3	54.22	15,000	71.2	21.7	52.58	11,800
		70	70.5	20.9	53.57	17,100	69.8	20.7	53.13	14,100	67.7	20.6	51.24	9,300
		80	67.5	20.0	52.66	16,000	66.4	20.0	51.82	13,000	64.0	19.5	49.68	7,200
		90	64.3	19.1	51.75	14,800	62.8	18.9	50.26	11,900	60.3	18.3	47.85	5,700
		100	61.1	18.2	50.84	13,500	59.1	17.6	48.46	10,800	56.4	17.0	45.72	4,400
		110	57.8	17.3	49.93	12,000	55.2	16.2	46.36	9,500	52.2	15.7	43.28	3,400
		120	54.4	16.4	49.02	10,500	51.1	14.8	43.95	8,200	48.3	14.4	40.90	2,600
		130	50.2	15.5	47.11	9,000	46.8	13.9	41.15	7,000	44.1	13.4	38.89	2,000
		140	47.0	14.6	45.20	7,500	42.1	12.8	37.89	5,800	40.0	12.2	36.58	1,500
		150	43.8	13.7	43.29	6,000	38.5	11.7	34.89	4,500	36.5	11.1	34.28	1,100
60' (18.3 m)	50	40	79.9	24.1	56.23	19,600	79.8	24.3	57.36	16,500	78.0	23.8	54.82	13,000
		50	76.6	23.2	55.50	18,800	76.6	23.3	55.14	15,700	74.6	22.8	53.71	12,400
		60	73.9	22.3	54.59	18,000	73.2	22.3	54.22	15,000	71.2	21.7	52.58	11,800
		70	71.5	21.4	53.68	17,100	69.8	20.7	53.13	14,100	67.7	20.6	51.24	9,300
		80	68.8	20.5	52.77	16,000	66.4	20.0	51.82	13,000	64.0	19.5	49.68	7,200
		90	65.6	19.6	51.86	14,800	62.8	18.9	50.26	11,900	60.3	18.3	47.85	5,700
		100	62.6	18.7	50.95	13,500	59.1	17.6	48.46	10,800	56.4	17.0	45.72	4,400
		110	59.5	17.8	50.04	12,000	55.2	16.2	46.36	9,500	52.2	15.7	43.28	3,400
		120	56.3	16.9	49.13	10,500	51.1	14.8	43.95	8,200	48.3	14.4	40.90	2,600
		130	53.2	16.0	48.22	9,000	46.8	13.9	41.15	7,000	44.1	13.4	38.89	2,000
		140	50.1	15.1	47.31	7,500	42.1	12.8	37.89	5,800	40.0	12.2	36.58	1,500
		150	47.0	14.2	46.40	6,000	38.5	11.7	34.89	4,500	36.5	11.1	34.28	1,100

① Measured vertically from ground to center of jib peak sheave — machine standing on tires.

② Capacities over side or rear.

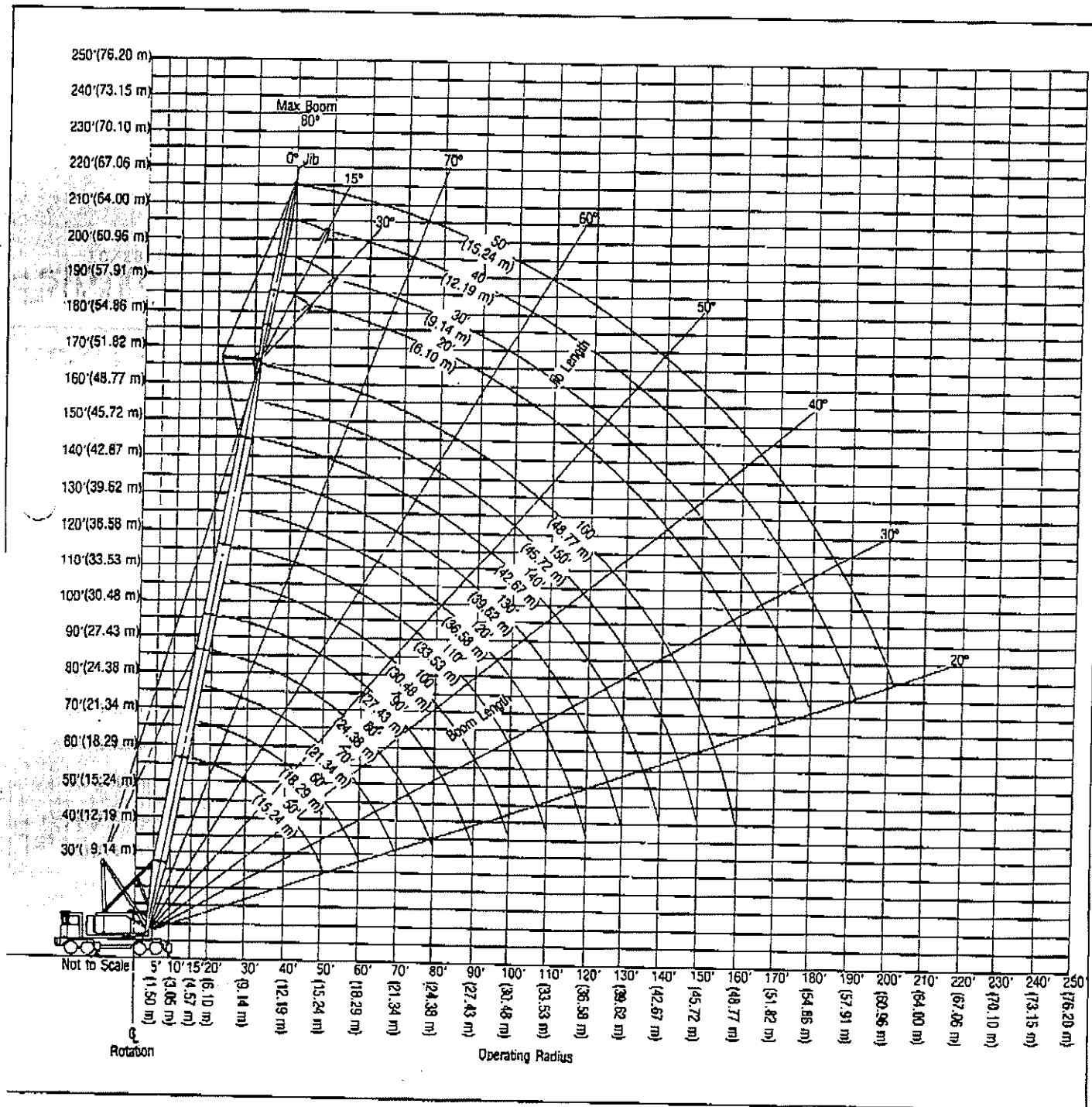
**FMC****GENERAL INFORMATION ONLY****HC-138 boom/jib working ranges**

Boom—tubular: 54"(1.37 m) wide, 44" (1.12 m) deep with 5'(1.52 m) long counterheadtop section, 1½"(31.75 mm) dia. boom pendants, boom live mast, and boom midpoint suspension pendants as required.

Jib—tubular: 30"(.76 m) wide, 24" (.61 m) deep.

Carrier—FMC; 8 x 4 drive, 236"(5.99 m) wheelbase, 11' 0"(3.35 m) wide.

Counterweights—Upper ctwt. "A" — 18,000#(8,165 kg). Bumper ctwt. "A" — 4,300#(1,950 kg).



MC Corporation Crane and Excavator Division World Headquarters Cedar Rapids Iowa 52406
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