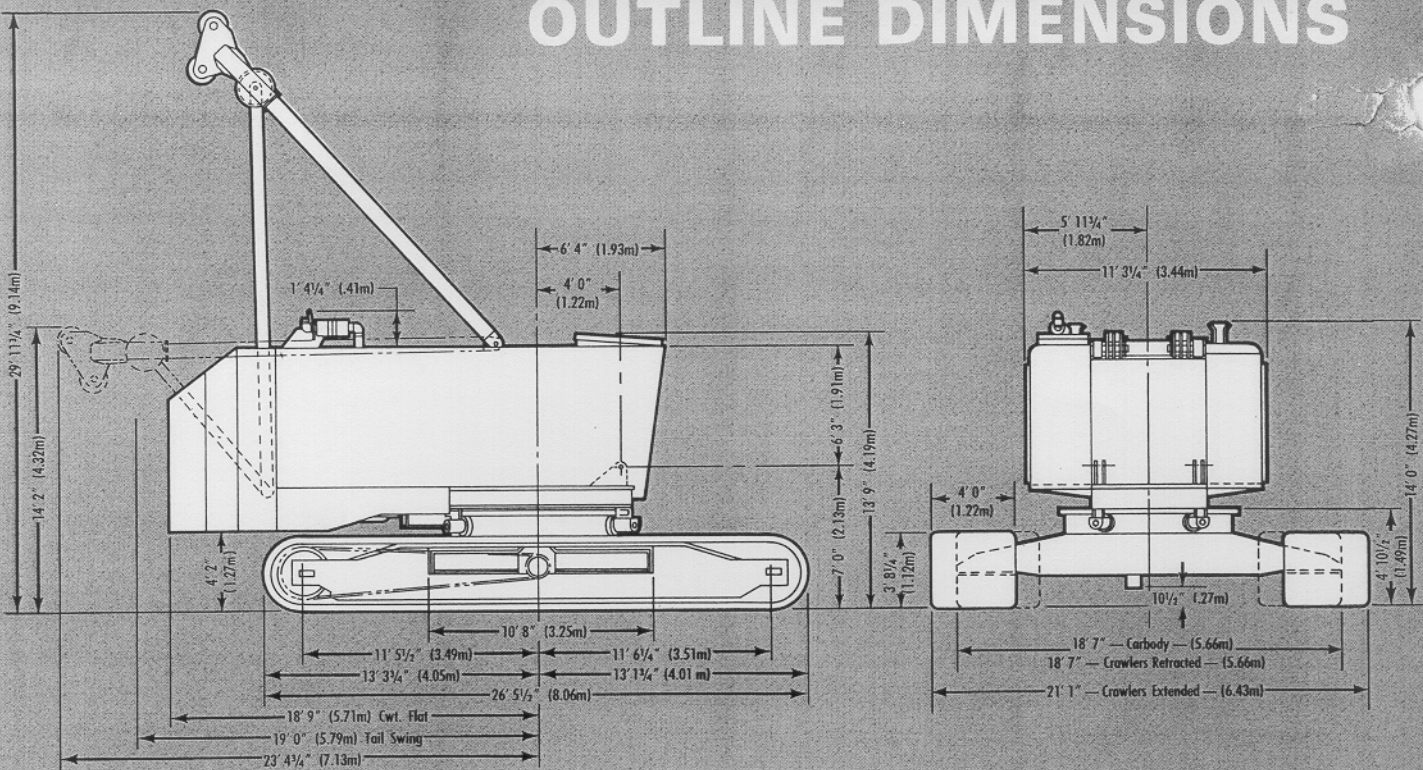




OUTLINE DIMENSIONS



WEIGHTS

POUNDS*

POUNDS*

LIFTCRANE, complete with 70' No. 22A Boom, gantry and backhitch, boom hoist rigging and pendants, hoist wire rope, 15-ton swivel-type hook and weight ball, basic upperworks package, counterweights, 26' 6" long crawlers (48" wide treads), extendible width from 18' 7" to 21' 1", and outside crawler drive chains..... 356,660

CRAWLERS, with crawler side frames, crawler treads, and outside crawler chains (each 36,400) .. 72,800

CARBODY, with center pin, roller path, and travel mechanism, without crawlers..... 49,500

UPPERWORKS, complete with basic machinery, including drums, but not including gantry and backhitch, front end attachments or counterweights... 80,500

GANTRY AND BACKHITCH 7,800

SELF-REMOVING COUNTERWEIGHT (3-PC)

Inner	41,900
Middle	41,500
Outer	39,000

BOOM NO. 22A

BOOM BUTT: (less wire rope and pendants).....	5,980
BOOM TOP: (equipped with lower boom point, sheaves, and pendants).....	9,760
Add for upper boom point and sheave.....	1,460
Total	11,220

BOOM INSERTS:

Insert — 10' (with pendants).....	2,000
Insert — 20' (with pendants).....	3,100
Insert — 40' (with pendants).....	5,340

DRAGLINE FAIRLEAD — REVOLVING TYPE. 1,910

DRAGLINE FAIRLEAD — HINGED TYPE..... 7,420

*Weights are approximate and may vary between machines as a result of design changes and component variations.

POWER PLANTS

Model		Cylinder	Bore	Stroke	Cubic Inch Displacement	Net HP @ RPM (at flywheel)
BASIC	Cummins NTA-855 Diesel	6	5.500"	6.000"	855	333 @ 2000
	G.M. 12V-71N Diesel	12	4.250"	5.000"	852	360 @ 2000
OPTIONAL	Caterpillar D343-TA Diesel	6	5.400"	6.500"	893	364 @ 2000

Air Compressor: 37.5 CFM.

Fuel Tank Capacity: 315 gallons.

**MANITOWOC ENGINEERING CO.**

(A division of The Manitowoc Company, Inc.)

Manitowoc, Wisconsin 54220

**LIFTCRANE CAPACITIES****BOOM NO. 22C WITH OPEN THROAT TOP
26'6" CRAWLERS — 122,400 LB. COUNTERWEIGHT****LIFTING CAPACITIES:** Capacities for various boom lengths and operating radii may be based on per cent of tipping, strength of structural components, operating speeds and other factors.

Capacities are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are shown by shaded areas.

Capacities indicated by "B" represent boom positions which without load, provide less than required ANSI B30.5 backward stability.

Capacities are shown in pounds. Deduct 1200 pounds from capacities listed when single sheave upper boom point is attached and 1500 pounds when two sheave upper boom point is attached. To comply with B30.5 requirements, upper boom point cannot be used on the 260 ft. boom. Weight of jib (see chart A), all load blocks, hooks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., is considered part of the main boom load. Boom is not to be lower beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm surface with gantry in working position and be rigged in accordance with and under conditions referred to in rigging drawing No. 190693 and load line specification chart No. 5345.

Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions & physical machine depreciation.

OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of vertical hoist line or load block with the load freely suspended. Add 14" to boom point radius for radius of sheave when using single part hoist line.

Boom angle is the angle between horizontal and centerline of boom butt and inserts and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation, in feet, is the vertical distance from ground level to centerline of boom point

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
16	80.1	76.0	392,000B	400,000	
17	79.3	75.8	349,600B	383,300	
18	78.5	75.6	315,400B	365,300	
19	77.6	75.4	287,100B	348,300	
20	76.8	75.1	263,400B	319,800	
70	75.1	74.6	225,900B	270,100	
	74.4	74.1	197,500B	233,600	
	73.5	73.5	175,300B	205,500	
	72.8	72.8	157,500B	183,400	
	72.0	72.0	142,800B	165,400	
32	66.4	71.2	130,500B	150,500	
	64.6	70.2	120,100B	138,000	
	62.8	69.3	111,100B	127,300	
	60.9	68.2	103,400B	118,100	
	59.1	67.0	96,600	110,000	
50	54.1	63.7	82,700	93,900	
	48.9	59.8	72,100	81,600	
	43.2	54.9	63,800	72,000	
	36.9	49.0	57,000	64,300	
	29.4	41.3	51,500	57,900	
70	19.5	30.3	46,800	52,600	
17	80.6	85.9	349,300B	381,800	
	79.9	85.8	315,000B	364,000	
	79.2	85.6	286,700B	347,500	
	78.5	85.4	263,000B	319,400	
22	77.0	84.9	225,400B	269,700	
	75.5	84.5	197,000B	233,100	
	74.0	83.9	174,800B	205,100	
	72.5	83.3	156,900B	182,900	
	71.0	82.7	142,200B	164,900	
30	69.5	81.9	130,000B	150,000	
	68.0	81.2	119,500B	137,400	
	66.4	80.3	110,600	126,800	
	64.8	79.4	102,800	117,500	
	63.3	78.4	96,000	109,500	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
80	45	59.2	75.7	82,100	93,300
	50	54.9	72.5	71,500	81,000
	55	50.4	68.6	63,200	71,400
	60	45.6	64.1	56,400	63,700
	65	40.3	58.8	50,800	57,300
70	34.4	52.2	46,100	52,000	
	27.4	43.9	42,100	47,500	
	18.2	32.0	38,700	43,600	
18	81.1	95.9	314,700B	355,400	
	80.4	95.7	286,500B	346,300	
	79.8	95.6	262,700B	319,200	
	78.5	95.2	225,200B	269,500	
	77.2	94.7	196,700B	232,900	
26	75.9	94.3	174,500B	204,800	
	74.5	93.7	156,600B	182,600	
	73.2	93.2	141,900B	164,600	
	71.9	92.5	129,600B	149,700	
	70.5	91.9	119,200	137,100	
36	69.2	91.1	110,200	126,400	
	67.8	90.3	102,400	117,200	
	66.4	89.5	95,600	109,200	
	62.9	87.1	81,800	93,000	
	59.3	84.4	71,200	80,700	
55	55.5	81.2	62,800	71,100	
	51.5	77.5	56,000	63,300	
	47.3	73.2	50,500	57,000	
	42.8	68.2	45,800	51,600	
	37.9	62.3	41,800	47,100	
80	32.4	55.2	38,300	43,200	
	25.8	46.2	35,300	39,900	
	17.1	33.5	32,700	36,900	

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
19	81.4	105.9	286,100B	331,400	
20	80.8	105.7	262,300B	318,900	
22	79.6	105.4	224,700B	269,200	
24	78.5	105.0	196,300B	232,500	
26	77.3	104.5	174,000B	204,400	
28	76.1	104.1	156,100B	182,200	
	74.9	103.6	141,400	164,100	
	73.7	103.0	129,100	149,200	
	72.5	102.4	118,700	136,700	
	71.3	101.7	109,700	125,900	
38	70.1	101.0	101,900	116,700	
	68.9	100.3	95,100	108,700	
	68.8	98.2	81,200	92,400	
	66.6	95.8	70,600	80,100	
	59.3	93.0	62,200	70,500	
60	55.9	89.8	55,500	62,800	
	52.4	86.2	49,900	56,400	
	48.7	82.1	45,200	51,100	
	44.8	77.4	41,200	46,600	
	40.5	72.0	37,700	42,700	
85	35.9	65.6	34,700	39,300	
	30.7	58.0	32,100	36,300	
	24.5	48.5	29,800	33,700	
100	16.3	35.0	27,700	31,400	

Capacities continued
on reverse side.**WARNING! CHECK AMOUNT OF COUNTERWEIGHT
ON MACHINE BEFORE USE OF THIS CHART.**

Form No. 6950-A, 5-18-78/GA



SEE CONDITIONS ON REVERSE SIDE

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
110	22	80.6	115.5	224,400B	268,900
	24	79.5	115.2	195,900B	232,200
	26	78.5	114.8	173,700B	204,100
	28	77.4	114.3	155,700	181,800
	30	76.3	113.9	141,000	163,800
	32	75.3	113.4	128,700	148,800
	34	74.2	112.8	118,300	136,300
	36	73.1	112.2	109,300	125,600
	38	72.0	111.6	101,500	116,300
	40	70.9	110.9	94,700	108,300
110	45	68.1	109.1	80,800	92,000
	50	65.3	106.9	70,200	79,700
	55	62.4	104.5	61,800	70,100
	60	59.4	101.7	55,100	62,400
	65	56.3	98.5	49,500	56,000
	70	53.1	95.0	44,800	50,700
	75	49.8	91.0	40,800	46,100
	80	46.3	86.5	37,300	42,300
	85	42.6	81.4	34,300	38,900
	90	38.6	75.6	31,700	35,900
110	95	34.2	68.8	29,300	33,300
	100	29.2	60.7	27,300	31,000
	105	23.3	50.6	25,400	28,900
	110	15.5	36.4	23,700	27,000
120	22	81.4	125.6	224,200B	268,700
	24	80.4	125.3	195,700B	232,000
	26	79.4	125.0	173,400	203,900
	28	78.5	124.6	155,500	181,600
	30	77.5	124.1	140,800	163,600
	32	76.5	123.7	128,500	148,600
	34	75.5	123.2	118,000	136,000
	36	74.5	122.7	109,000	125,300
	38	73.5	122.1	101,200	116,100
	40	72.5	121.5	94,400	108,000
120	45	70.0	119.8	80,500	91,800
	50	67.5	117.8	69,900	79,500
	55	64.8	115.6	61,500	69,800
	60	62.2	113.1	54,700	62,100
	65	59.4	110.3	49,200	55,700
	70	56.6	107.2	44,400	50,400
	75	53.7	103.7	40,400	45,800
	80	50.7	99.9	37,000	41,900
	85	47.5	95.5	34,000	38,600
	90	44.2	90.7	31,400	35,600
120	95	40.7	85.2	29,000	33,000
	100	36.9	79.0	26,900	30,700
	105	32.7	71.8	25,100	28,600
	110	28.0	63.2	23,400	26,700
	115	22.3	52.6	21,800	25,000
130	24	81.2	135.5	195,300	231,700
	26	80.3	135.1	173,000	203,500
	28	79.4	134.8	155,100	181,300
	30	78.5	134.4	140,400	163,200
	32	77.6	133.9	128,100	148,200
	34	76.7	133.5	117,600	135,700
	36	75.7	133.0	108,600	125,000
	38	74.8	132.5	100,800	115,700
	40	73.9	131.9	94,000	107,600
	45	71.6	130.4	80,100	91,400
130	50	69.3	128.6	69,500	79,100
	55	66.9	126.6	61,100	69,400
	60	64.5	124.3	54,300	61,700
	65	62.0	121.8	48,700	55,300
	70	59.5	119.0	44,000	49,900
	75	56.9	115.9	40,000	45,400
	80	54.2	112.5	36,600	41,500
	85	51.5	108.7	33,600	38,100
	90	48.6	104.5	30,900	35,200
	95	45.6	99.8	28,600	32,600
130	100	42.4	94.7	26,500	30,200
	105	39.0	88.8	24,600	28,100
	110	35.4	82.3	22,900	26,300
	115	31.4	74.7	21,400	24,500
	120	26.8	65.7	20,000	23,000
	125	21.4	54.5	18,700	21,600
140	26	81.0	145.3	172,600	203,200
	28	80.1	144.9	154,700	180,900
	30	79.3	144.6	139,900	162,800
	32	78.5	144.2	127,600	147,800
	34	77.6	143.7	117,100	135,200
	36	76.8	143.3	108,100	124,500
	38	75.9	142.8	100,300	115,200
	40	75.1	142.3	93,500	107,200
	45	73.0	140.9	79,600	90,900
	50	70.8	139.2	69,000	78,600
140	55	68.6	137.4	60,600	68,900
	60	66.4	135.3	53,800	61,100
	65	64.2	133.0	48,200	54,700
	70	61.9	130.5	43,500	49,400
	75	59.5	127.7	39,500	44,900
	80	57.1	124.6	36,000	41,000
	85	54.6	121.2	33,000	37,600
	90	52.1	117.5	30,400	34,600
	95	49.5	113.4	28,000	32,000
	100	46.7	108.9	25,900	29,700

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
140	105	43.8	103.9	24,000	27,600
	110	40.8	98.5	22,400	25,700
	115	37.5	92.3	20,800	24,000
	120	34.0	85.4	19,400	22,400
	125	30.2	77.4	18,200	21,000
	130	25.8	68.0	17,000	19,700
	135	20.7	56.4	15,900	18,500
	28	80.8	155.1	154,200	180,500
	30	80.0	154.7	139,500	162,400
	32	79.2	154.4	127,200	147,400
150	34	78.5	154.0	116,700	134,800
	36	77.7	153.5	107,700	124,100
	38	76.9	153.1	99,900	114,800
	40	76.1	152.6	93,100	106,700
	45	74.1	151.3	79,100	90,500
	50	72.1	149.8	68,500	78,100
	55	70.1	148.1	60,100	68,500
	60	68.1	146.2	53,300	60,700
	65	66.0	144.0	47,700	54,300
	70	63.9	141.7	43,000	49,000
150	75	61.7	139.1	39,000	44,400
	80	59.6	136.3	35,600	40,500
	85	57.3	133.2	32,500	37,100
	90	55.0	129.9	29,900	34,200
	95	52.7	126.2	27,600	31,600
	100	50.2	122.3	25,500	29,200
	105	47.7	117.9	23,600	27,100
	110	45.0	113.1	21,900	25,200
	115	42.3	107.9	20,400	23,500
	120	39.3	102.1	19,000	22,000
150	125	36.2	95.7	17,700	20,600
	130	32.9	88.4	16,500	19,200
	135	29.2	80.1	15,400	18,000
	140	25.0	70.3	14,400	16,900
	145	19.9	58.2	13,500	15,900
	28	81.4	165.2	153,900	180,200
	30	80.6	164.9	139,200	162,100
	32	79.9	164.5	126,800	147,100
	34	79.2	164.2	116,400	134,500
	36	78.5	163.8	107,400	123,800
160	38	77.7	163.3	99,600	114,500
	40	77.0	162.9	92,700	106,400
	45	75.2	161.7	78,800	90,100
	50	73.3	160.2	68,200	77,800
	55	71.4	158.7	59,800	68,100
	60	69.5	156.9	53,000	60,300
	65	67.6	154.9	47,400	54,000
	70	65.6	152.8	42,600	48,600
	75	63.7	150.4	38,600	44,100
	80	61.6	147.8	35,200	40,200
160	85	59.6	145.0	32,200	36,800
	90	57.5	141.9	29,500	33,800
	95	55.3	138.6	27,200	31,200
	100	53.1	135.0	25,100	28,800
	105	50.9	131.1	23,200	26,800
	110	48.5	126.8	21,500	24,900
	115	46.1	122.2	20,000	23,200
	120	43.5	117.2	18,600	21,600
	125	40.9	111.7	17,300	20,200
	130	38.0	105.6	16,100	18,900
170	135	35.0	98.9	15,100	17,700
	140	31.8	91.3	14,100	16,600
	145	28.2	82.6	13,100	15,500
	150	24.1	72.5	12,300	14,600
	155	19.3	59.9	11,400	13,700
	30	81.2	175.0	138,800	161,700
	32	80.5	174.7	126,400	146,700
	34	79.8	174.3	116,000	134,100
	36	79.2	174.0	107,000	123,400
	38	78.5	173.6	99,100	114,100
170	40	77.8	173.1	92,300	106,000
	45	76.0	172.0	78,400	89,700
	50	74.3	170.7	67,700	77,400
	55	72.5	169.2	59,300	67,700
	60	70.8	167.5	52,500	59,900
	65	69.0	165.7	46,900	53,500
	70	67.2	163.7	42,200	48,200
	75	65.3	161.5	38,200	43,600
	80	63.4	159.1	34,700	39,700
	85	61.5	156.5	31,700	36,300
180	90	59.6	153.6	29,100	33,400
	95	57.6	150.6	26,700	30,700
	100	55.6	147.3	24,600	28,400
	105	53.6	143.7	22,800	26,300
	110	51.4	139.9	21,100	24,400
	115	49.2	135.8	19,500	22,700
	120	47.0	131.3	18,100	21,100
	125	44.6	126.4	16,900	19,700
	130	42.2	121.1	15,700	18,400
	135	39.6	115.3	14,600	17,200
180	140	36.9	109.0	13,600	16,100
	145	34.0	102.0	12,700	15,100
	150	30.8	94.1	11,800	14,100
	155	27.3	85.1	11,000	13,200
	160	23.4	74.6	10,200	12,400
	165	18.7	61.6	9,500	11,600

Boom Lgth.: Feet	Oper. Rad.: Feet	Bm. Ang.: Deg.	Boom Point: Elev.	Capacity: Crawlers Retracted	Capacity: Crawlers Extended
180	32	81.1	184.8	126,000	1

