



LOAD CHARTS

for Use With

WRITTEN EXAMINATIONS



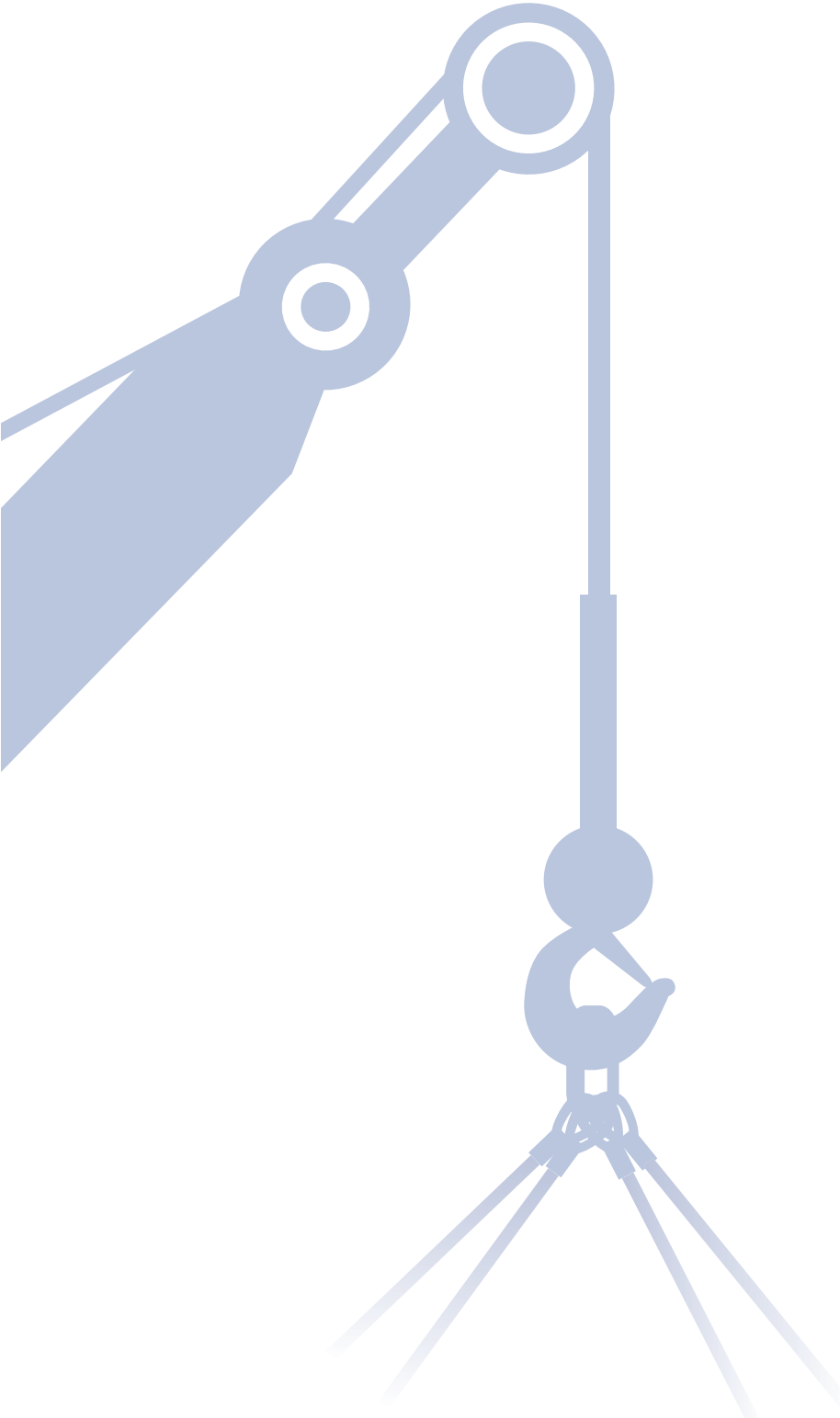
Manitowoc 4100W

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These pages are reproduced for illustration only and not as a substitute for reviewing the entire manual for a particular crane.

Make sure that you are fully trained on, and review the entire manual for, every crane you operate.

This load chart has been adapted from the original manufacturer's load chart for use in the NCCER Mobile Crane Certification Examination. It is not to be used for calculating loads, planning lifts, or for any other purpose.



WEIGHTS**4100W-S1 4100W-S2**

DESCRIPTION	APPROX. WEIGHT (INLBS.)
LIFTCRANE- w/70' No. 22C boom, machine counterweight, universal gantry w/telescopic backhitch, 26'-6" crawlers w/48" treads, full width tandem drums, ind. swing, ind. boom hoist, Cummins NTA-855-C360 engine, 27-5/8" dia. lagging for rear drum, boom hoist rope, equalizer, telescopic air cushioned boom stop, 200 ton load block, 15 ton hook and weight ball, single sheave upper boom point, and upper wire rope guide.....	S1 363,795* S2 446,295*
UPPERWORKS- w/Cummins NTA-855-C360 engine, ind. boom hoist, ind. swing, and 27-5/8" dia. lagging for rear drum; <u>LESS</u> boom, gantry and backhitch, equalizer, load block, weight ball, counter weights, telescopic air cushioned boom stop, upper wire rope guide, and catwalk.....	80,500*
UPPERWORKS as above - w/gantry and backhitch, equalizer, boom hoist rope, and carbody; <u>LESS</u> crawlers.....	138,685*
CARBODY- w/roller path, ring gear, and king pin; <u>LESS</u> crawlers.....	49,700
CRAWLERS , 26'-6" w/48" treads.....	37,965 each
COUNTERWEIGHT	
Inner (Self-Removing).....	41,900
Middle (Self-Removing).....	41,500
Outer (Self-Removing).....	39,000
Side (2 Req'd).....	12,000 each
Carbody (2 Req'd).....	30,000 each
BOOM No. 22C	
Boom Butt - 30'.....	6,150
Boom Top - 40' (w/Lower boom point assembly).....	8,445
Upper Boom Point (Removable - single sheave).....	1,260
double sheave.....	1,505
Jib Adapter (Removable).....	545
Boom Insert - 10' (w/rope guide roller assembly).....	1,350
Boom Insert - 20' (w/rope guide roller assembly).....	2,435
Boom Insert - 40' (w/rope guide roller assembly).....	4,460
Boom Insert - 40' (w/jib backstay, and rope guide roller assembly).....	4,560
Basic Pendant - 40' 9-3/4" (4 Req'd).....	255 each
Pendant - 10' (4 per insert).....	115 each
Pendant - 20' (4 per insert).....	155 each
Pendant - 40' (4 per insert).....	215 each
Pendant Spreader Bar.....	320

*Weights do not include hoist line, whip line, or fuel. For CAT. D-343TA add 1,170 lbs., for CAT. 3406 PCTA add 100 lbs. and for CM 12 V-71N engines add 600 lbs.

WEIGHTS 4100W Cont'd

DESCRIPTION	APPROX. WEIGHT (IN LBS.)
JIB NO. 123	
Jib Top - 15' (w/Jib point).....	695
Jib Butt - 15'.....	690
Jib Insert - 10'.....	340
Basic Pendant - 33' 3-3/4" (2 Req'd).....	115 each
Pendant - 10' (2 Per insert).....	65 each
Jib Backstay Pendant.....	155 each
Jib Stut - 12' - 6".....	365

COMPONENTS

Hook Rollers (6) - w/shafts.....	1,020
Light Plant - 6.5KW - w/mounting platform.....	1,390
Catwalk - left and right side w/rails.....	1,320
Lagging - 27-5/8" dia. plain.....	1,410
Boom Hoist Rope - 12 Part - 760' of 7/8" - 6 x 26.....	1,080
Wire Rope Guide Assembly - Lower.....	325
Wire Rope Guide Assembly - Upper.....	510
Rope Guide Roller Assembly.....	55 each
2-Part Gantry w/Telescopic Backhitch.....	7,805
Equalizer.....	2,000
Hoist Line - 1-1/8" - 6 x 31.....	2.34 lbs./ft.
Whip Line - 1-1/8" - 6 x 31.....	2.34 lbs./ft.
15 Ton Hook and Weight Ball.....	865
100 Ton Hook Block Assembly.....	2,065
200 Ton Hook Block Assembly.....	4,900
230 Ton Hook Block Assembly.....	5,375
Boom Stop - Telescopic Air Cushioned.....	675
Dragline Fairlead - Revolving.....	1,910
Dragline Fairlead - Hinged.....	9,330

NOTE: The above weights may fluctuate up or down 5% due to manufacturing tolerances.

LIFT CRANE CAPACITIES

MEETS ANSI B30.5 REQUIREMENTS

BOOM NO. 22C WITH OPEN THROAT TOP
 146,400 LB. CRANE COUNTERWEIGHT
 60,000 LB. CARBODY COUNTERWEIGHT
 26'6" CRAWLERS EXTENDED

WARNING: This chart will apply only when two 12,000 lb. side ctwts. and two 30,000 lb. carbody ctwts. bear MEC registered Serial Numbers.

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on percent 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 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 lowered 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 crawlers fully extended and 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. 6592-A.

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts Of Line	1	2	3	4	5	6
Max. Load - Lbs.	32,500	65,000	97,500	130,000	162,500	195,000
No. Parts Of Line	7	8	9	10	11	12
Max. Load - Lbs.	227,500	260,000	292,500	325,000	357,500	400,000
No. Parts Of Line	13					
Max. Load - Lbs.	430,000					

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
16.5	79.7	75.9	460,000	
17	79.3	75.8	400,000	
18	78.5	75.6	380,100	
19	77.6	75.4	363,000	
20	76.8	75.1	347,300	
70				
22	75.1	74.6	319,600	
24	73.4	74.1	293,400	
26	71.7	73.5	266,100	
28	69.9	72.8	237,500	
30	68.2	72.0	214,300	
30				
32	66.4	71.2	195,100	
34	64.6	70.2	178,900	
36	62.8	69.3	165,200	
38	60.9	68.2	153,300	
40	59.1	67.0	143,000	
40				
45	54.1	63.7	122,100	
50	48.9	59.8	106,300	
55	43.2	54.9	93,900	
60	36.9	49.0	84,000	
65	29.4	41.3	75,800	
70	19.5	30.3	63,900	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
17	80.6	85.9	392,800	
18	79.9	85.8	378,900	
19	79.2	85.6	361,800	
20	78.5	85.4	346,100	
22	77.0	84.9	318,400	
80				
24	75.5	84.5	292,500	
26	74.0	83.9	265,600	
28	72.5	83.3	237,000	
30	71.0	82.7	213,800	
32	69.5	81.9	194,600	
30				
34	68.0	81.2	178,500	
36	66.4	80.3	164,700	
38	64.8	79.4	152,800	
40	63.3	78.4	142,400	
45	59.2	75.7	121,500	
40				
50	54.9	72.5	105,700	
55	50.4	68.6	93,300	
60	45.6	64.1	83,400	
65	40.3	58.8	75,200	
70	34.4	52.2	68,300	
70				
75	27.4	43.9	52,500	
80	18.2	32.0	53,900	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
18	81.1	95.9	355,400	
19	80.4	95.7	346,900	
20	79.8	95.6	336,900	
22	78.5	95.2	317,400	
24	77.2	94.7	291,700	
90				
26	75.9	94.3	264,800	
28	74.5	93.7	236,600	
30	73.2	93.2	213,400	
32	71.9	92.5	194,200	
34	70.5	91.9	178,000	
30				
36	69.2	91.1	164,200	
38	67.8	90.3	152,300	
40	66.4	89.5	142,000	
45	62.9	87.1	121,100	
50	59.3	84.4	105,200	
40				
55	55.5	81.2	92,800	
60	51.5	77.5	82,900	
65	47.3	73.2	74,700	
70	42.8	68.2	67,800	
75	37.9	62.3	62,000	
70				
80	32.4	55.2	57,000	
85	25.8	46.2	52,600	
90	17.1	33.5	45,900	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
19	81.4	105.9	332,900	
20	80.8	105.7	327,100	
22	79.6	105.4	316,200	
24	78.5	105.0	290,800	
26	77.3	104.5	263,900	
100				
28	76.1	104.1	236,200	
30	74.9	103.6	212,900	
32	73.7	103.0	193,700	
34	72.5	102.4	177,500	
36	71.3	101.7	163,700	
30				
38	70.1	101.0	151,800	
40	68.9	100.3	141,400	
45	65.8	98.2	120,500	
50	62.6	95.8	104,700	
55	59.3	93.0	92,300	
40				
60	55.9	89.8	82,300	
65	52.4	86.2	74,100	
70	48.7	82.1	67,200	
75	44.8	77.4	61,400	
80	40.5	72.0	56,400	
70				
85	35.9	65.6	52,000	
90	30.7	58.0	48,200	
95	24.5	48.5	44,900	
100	16.3	35.0	39,300	

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

OPERATOR RADIUS: Operating 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 shaft.

MACHINE EQUIPMENT: Machine equipped with 26'6" extendible crawlers, 48" treads, 17' retractable gantry, 12 part boom hoist reeving, four 1 3/8" boom pendants, 1st ctwt. 41,900 lbs., 2nd ctwt. 41,500 lbs., 3rd ctwt. 39,000 lbs., two 12,000 lbs. side ctwt's. and two 30,000 lbs. carbody ctwt's.

LOAD AND WHIP LINE SPECIFICATIONS				
LOAD LINE: 1-1/8" - 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton. (Approx. Weight Per Ft. in Lbs. 2.34)				
WHIP LINE: 1-1/8" - Warrington-Seale, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load - 28,300 Lbs. Per Line. (Approx. Weight Per Ft. in Lbs. 2.34)				

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVERFRONT OF BLOCKED CRAWLERS		OVERSIDE OF EXTENDED CRAWLERS		JIB LENGTH	JIB NO. 123
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	JIB LENGTH	JIB NO. 123
260'	--	260'	--	30'	3,000 lbs.
250'	--	250'	--	40'	3,600 lbs.
240'	40'	240'	40'	50'	4,200 lbs.
230'	60'	230'	60'	60'	4,900 lbs.

Load Block, hook and weight ball on ground at start.

FOR JIB CAPACITIES, CONSULT JIB CHART.

CAUTION! CHECK AMOUNT OF COUNTERWEIGHT ON MACHINE BEFORE USE OF THIS CHART.
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LIFTCRANE CAPACITIES - 4100W SERIES 2
BOOM NO. 22C WITH OPEN THROAT TOP, CONTINUED.

SEE CONDITIONS ON FRONT PAGE

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
2	38	81.5	234.5	132,900
	40	81.0	234.2	125,200
	45	79.7	233.3	114,500
	50	78.5	232.4	98,600
	55	77.2	231.3	86,100
3	60	75.9	230.1	76,100
	65	74.6	228.8	67,800
	70	73.3	227.3	60,900
	75	72.0	225.8	55,000
	80	70.7	224.1	50,000
0	85	69.4	222.3	45,600
	90	68.0	220.3	41,700
	95	66.7	218.2	38,400
	100	65.3	216.0	35,300
	105	64.0	213.6	32,600
3	110	62.6	211.1	30,200
	115	61.1	208.4	28,000
	120	59.7	205.6	26,000
	125	58.3	202.6	24,100
	130	56.8	199.4	22,400
4	135	55.3	196.0	20,900
	140	53.8	192.5	19,400
	145	52.2	188.7	18,100
	150	50.6	184.7	16,900
	155	49.0	180.5	15,700
5	160	47.3	176.0	14,700
	165	45.6	171.3	13,600
	170	43.8	166.2	12,700
	175	42.0	160.8	11,800
	180	40.1	155.1	11,000
6	185	38.1	148.9	10,200
	190	36.0	142.3	9,400
	195	33.9	135.1	8,700
	200	31.6	127.3	8,100
	205	29.1	118.8	7,400
210	26.4	109.3	6,800	
2	40	81.4	244.3	123,400
	45	80.2	243.5	112,600
	50	78.9	242.6	98,100
	55	77.7	241.5	85,600
	60	76.5	240.4	75,600
3	65	75.3	239.1	67,300
	70	74.0	237.7	60,400
	75	72.8	236.3	54,500
	80	71.5	234.6	49,500
	85	70.3	232.9	45,100
0	90	69.0	231.1	41,200
	95	67.7	229.1	37,800
	100	66.4	227.0	34,800
	105	65.1	224.7	32,100
	110	63.8	222.3	29,700
4	115	62.5	219.8	27,400
	120	61.1	217.1	25,400
	125	59.7	214.3	23,600
	130	58.3	211.3	21,900
	135	56.9	208.1	20,300
5	140	55.5	204.7	18,900
	145	54.0	201.2	17,600
	150	52.5	197.5	16,300
	155	51.0	193.5	15,200
	160	49.5	189.4	14,100
6	165	47.9	185.0	13,100
	170	46.2	180.3	12,200
	175	44.6	175.4	11,300
	180	42.8	170.2	10,400
	185	41.0	164.6	9,600
7	190	39.2	158.7	8,900
	195	37.3	152.3	8,200
	200	35.2	145.5	7,500
	205	33.1	138.1	6,700
	210	30.9	130.1	6,000

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
2	45	80.6	253.6	106,600
	50	79.4	252.7	97,800
	55	78.2	251.7	85,200
	60	77.1	250.6	75,200
	65	75.9	249.4	66,900
3	70	74.7	248.1	60,000
	75	73.5	246.7	54,100
	80	72.3	245.2	49,100
	85	71.1	243.5	44,700
	90	69.9	241.7	40,800
0	95	68.7	239.8	37,400
	100	67.4	237.8	34,400
	105	66.2	235.7	31,700
	110	64.9	233.4	29,300
	115	63.6	231.0	27,100
5	120	62.4	228.5	25,000
	125	61.1	225.8	23,200
	130	59.7	222.9	21,500
	135	58.4	219.9	20,000
	140	57.0	216.8	18,500
6	145	55.7	213.4	17,200
	150	54.3	209.9	16,000
	155	52.8	206.2	14,800
	160	51.4	202.4	13,700
	165	49.9	198.3	12,700
7	170	48.4	193.9	11,800
	175	46.8	189.4	10,900
	180	45.3	184.5	10,100
	185	43.6	179.4	9,300
	190	41.9	174.0	8,500
8	195	40.2	168.3	7,800
	200	38.4	162.2	7,000
	205	36.5	155.7	6,200
	210	34.5	148.6	5,500
	2	45	80.9	263.7
50		79.8	262.9	95,700
55		78.7	261.9	84,700
60		77.6	260.9	74,700
65		76.4	259.7	66,400
3	70	75.3	258.5	59,500
	75	74.2	257.1	53,600
	80	73.0	255.6	48,500
	85	71.8	254.1	44,100
	90	70.7	252.4	40,300
0	95	69.5	250.6	36,900
	100	68.3	248.6	33,900
	105	67.1	246.6	31,100
	110	65.9	244.4	28,700
	115	64.7	242.1	26,500
5	120	63.5	239.7	24,500
	125	62.3	237.1	22,600
	130	61.0	234.4	20,900
	135	59.7	231.6	19,400
	140	58.5	228.6	17,900
6	145	57.2	225.4	16,600
	150	55.8	222.1	15,400
	155	54.5	218.7	14,200
	160	53.1	215.0	13,100
	165	51.7	211.2	12,100
7	170	50.3	207.1	11,200
	175	48.9	202.9	10,300
	180	47.4	198.4	9,500
	185	45.9	193.7	8,700
	190	44.3	188.7	7,900
8	195	42.7	183.4	7,000
	200	41.1	177.8	6,200
	205	39.4	171.9	5,400
	210	37.6	165.6	4,700

LIFTCRANE CAPACITIES

MEETS ANSIB30.5 REQUIREMENTS

BOOM NO. 22C WITH OPEN THROAT TOP OFFSET 4 1/2 DEGREES

146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED

WARNING: This chart will apply only when two 12,000 lb. side ctwts. and two 30,000 lb. carbody ctwts. bear MEC registered Serial Numbers.

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii may be based on percent 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 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 lowered 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 crawlers fully extended and gantry in working position and be rigged in accordance with and under conditions referred to in rigging drawing No. 190693 and load line specification chard No. 6592-A.

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

OPERATOR RADIUS: Operating 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 shaft.

MACHINE EQUIPMENT: Machine equipped with 26'6" extendible crawlers, 48" treads, 17' retractable gantry, 12 part boom hoist reeving, four 1 3/8" boom pendants, 1st ctwt. 41,900 lbs., 2nd ctwt. 41,500 lbs., 3rd ctwt. 39,000 lbs., two 12,000 lbs. side ctwt's. and two 30,000 lbs. carbody ctwt's.

LOAD AND WHIP LINE SPECIFICATIONS	
LOAD LINE: 1-1/8" - 6 x 31 Warrington-Seale, Extra Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 65 Ton. (Approx. Weight Per Ft. in Lbs. 2.34)	
WHIP LINE: 1-1/8" - Warrington-Seale, Improved Plow Steel, Regular Lay, IWRC. Minimum Breaking Strength 56.5 Ton. Maximum Load - 28,300 Lbs. Per Line. (Approx. Weight Per Ft. in Lbs. 2.34)	

HOIST REEVING FOR MAIN LOAD BLOCK						
No. Parts Of Line	1	2	3	4	5	6
Max Load - Lbs.	32,500	65,000	97,500	130,000	162,500	195,000
No. Parts of Line	7	8	9	10	11	12
Max. Load - Lbs.	227,500	260,000	292,500	325,000	357,500	400,000
No. Parts of Line	13					
Max. Load - Lbs.	430,000					

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
OVERFRONT OF BLOCKED CRAWLERS		OVERSIDE OF EXTENDED CRAWLERS			
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	JIB LENGTH	JIB NO. 123
260'	--	260'	--	30'	3,000 lbs.
250'	--	250'	--	40'	3,600 lbs.
240'	40'	240'	40'	50'	4,200 lbs.
230'	60'	230'	60'	60'	4,900 lbs.

Load Block, hook and weight ball on ground at start.

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
16.5	82.4	76.1	420,000	
17	82.0	76.0	398,900	
18	81.2	75.8	380,100	
19	80.3	75.6	363,000	
20	79.5	75.4	347,300	
70				
22	77.8	74.9	319,600	
24	76.1	74.3	293,400	
26	74.4	73.7	266,100	
28	72.7	73.0	237,500	
30	71.0	72.3	214,300	
80				
32	69.2	71.4	195,100	
34	67.4	70.5	178,900	
36	65.6	69.5	165,200	
38	63.7	68.5	153,300	
40	61.8	67.3	143,000	
90				
45	57.0	64.0	122,100	
50	51.8	60.1	106,300	
55	46.1	55.3	93,900	
60	39.8	49.4	84,000	
65	32.4	41.8	75,800	
70	22.7	31.0	63,900	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
17	83.0	86.2	315,400	
18	82.3	86.0	309,400	
19	81.6	85.8	303,600	
20	80.8	85.6	298,200	
22	79.4	85.2	286,000	
80				
24	77.9	84.7	278,700	
26	76.4	84.2	265,600	
28	74.9	83.6	237,000	
30	73.4	82.9	213,800	
32	71.9	82.2	194,600	
90				
34	70.4	81.4	178,500	
36	68.8	80.6	164,700	
38	67.3	79.7	152,800	
40	65.7	78.7	142,400	
45	61.6	76.0	121,500	
100				
50	57.4	72.7	105,700	
55	52.9	68.9	93,300	
60	48.1	64.5	83,400	
65	42.9	59.1	75,200	
70	37.0	52.6	68,300	
110				
75	30.1	44.4	62,500	
80	21.0	32.7	53,900	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
19	82.5	96.0	276,700	
20	81.9	95.8	271,500	
22	80.6	95.4	261,300	
24	79.3	95.0	252,900	
26	78.0	94.5	244,800	
90				
28	76.7	94.0	236,600	
30	75.3	93.4	213,400	
32	74.0	92.8	194,200	
34	72.7	92.1	178,000	
36	71.3	91.4	164,200	
100				
38	69.9	90.6	152,300	
40	68.6	89.7	142,000	
45	65.1	87.4	121,100	
50	61.4	84.6	105,200	
55	57.7	81.4	92,800	
110				
60	53.7	77.7	82,900	
65	49.5	73.5	74,700	
70	45.1	68.5	67,800	
75	40.2	62.7	62,000	
80	34.7	55.6	57,000	
120				
85	28.2	46.7	52,600	
90	19.7	34.3	49,900	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED
20	82.7	105.9	258,300	
22	81.5	105.6	248,700	
24	80.4	105.2	240,100	
26	79.2	104.8	232,100	
28	78.0	104.3	224,800	
100				
30	76.8	103.8	212,900	
32	75.7	103.2	193,700	
34	74.5	102.6	177,500	
36	73.3	102.0	163,700	
38	72.0	101.3	151,800	
110				
40	70.8	100.5	141,400	
45	67.7	98.5	120,500	
50	64.6	96.0	104,700	
55	61.3	93.3	92,300	
60	57.9	90.1	82,300	
120				
65	54.4	86.5	74,100	
70	50.7	82.4	67,200	
75	46.8	77.7	61,400	
80	42.6	72.3	56,400	
85	38.0	66.0	52,000	
130				
90	32.8	58.5	48,200	
95	26.6	49.0	44,900	
100	18.6	35.8	39,300	

CAUTION! CHECK AMOUNT OF COUNTERWEIGHT ON MACHINE BEFORE USE OF THIS CHART.

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LIFTCRANE CAPACITIES - 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP OFFSET 4 1/2 DEGREES, CONTINUED

SEE CONDITIONS ON FRONT PAGE

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED	
2	38	82.3	234.7	119,600	
	40	81.8	234.4	117,100	
	45	80.6	233.5	111,200	
	50	79.3	232.5	98,600	
	55	78.0	231.5	86,100	
	3	60	76.7	230.3	76,100
		65	75.4	229.0	67,800
		70	74.2	227.5	60,900
		75	72.9	226.0	55,000
		80	71.5	224.3	50,000
0	85	70.2	222.5	45,600	
	90	68.9	220.5	41,700	
	95	67.5	218.4	38,400	
	100	66.2	216.2	35,300	
	105	64.8	213.8	32,600	
	110	63.4	211.3	30,200	
	115	62.0	208.7	28,000	
	120	60.6	205.8	26,000	
	125	59.1	202.8	24,100	
	130	57.6	199.6	22,400	
1	135	56.1	196.3	20,900	
	140	54.6	192.7	19,400	
	145	53.0	189.0	18,100	
	150	51.5	185.0	16,900	
	155	49.8	180.7	15,700	
2	160	48.2	176.3	14,700	
	165	46.4	171.5	13,600	
	170	44.7	166.5	12,700	
	175	42.8	161.1	11,800	
	180	40.9	155.4	11,000	
3	185	39.0	149.2	10,200	
	190	36.9	142.6	9,400	
	195	34.7	135.5	8,700	
	200	32.4	127.7	8,100	
	205	30.0	119.2	7,400	
210	27.3	109.7	6,800		
4	40	82.2	244.5	111,700	
	45	81.0	243.7	106,300	
	50	79.7	242.7	98,100	
	55	78.5	241.7	85,600	
	60	77.3	240.6	75,600	
	5	65	76.1	239.3	67,300
		70	74.8	237.9	60,400
		75	73.6	236.5	54,500
		80	72.3	234.8	49,500
		85	71.1	233.1	45,100
6	90	69.8	231.3	41,200	
	95	68.5	229.3	37,800	
	100	67.2	227.2	34,800	
	105	65.9	224.9	32,100	
	110	64.6	222.5	29,700	
7	115	63.3	220.0	27,400	
	120	61.9	217.3	25,400	
	125	60.5	214.5	23,600	
	130	59.1	211.5	21,900	
	135	57.7	208.3	20,300	
8	140	56.3	205.0	18,900	
	145	54.8	201.4	17,600	
	150	53.3	197.7	16,300	
	155	51.8	193.8	15,200	
	160	50.3	189.6	14,100	
9	165	48.7	185.2	13,100	
	170	47.1	180.6	12,200	
	175	45.4	175.7	11,300	
	180	43.7	170.4	10,400	
	185	41.9	164.9	9,600	
10	190	40.0	159.0	8,900	
	195	38.1	152.6	8,200	
	200	36.1	145.8	7,500	
	205	34.0	138.5	6,700	
	210	31.7	130.5	6,000	

BOOM LGTH FEET	OPER. RAD. FEET	BOOM ANG DEG.	BOOM POINT ELEV.	CAPACITY: CRAWLERS EXTENDED	
2	45	81.3	253.8	101,500	
	50	80.2	252.9	96,900	
	55	79.0	251.9	85,200	
	60	77.8	250.8	75,200	
	65	76.6	249.6	66,900	
	3	70	75.5	248.3	60,000
		75	74.3	246.9	54,100
		80	73.1	245.4	49,100
		85	71.9	243.7	44,700
		90	70.6	241.9	40,800
4	95	69.4	240.1	37,400	
	100	68.2	238.0	34,400	
	105	66.9	235.9	31,700	
	110	65.7	233.6	29,300	
	115	64.4	231.2	27,100	
5	120	63.1	228.7	25,000	
	125	61.8	226.0	23,200	
	130	60.5	223.1	21,500	
	135	59.2	220.2	20,000	
	140	57.8	217.0	18,500	
	6	145	56.4	213.7	17,200
		150	55.1	210.2	16,000
		155	53.6	206.5	14,800
		160	52.2	202.6	13,700
		165	50.7	198.5	12,700
7	170	49.2	194.2	11,800	
	175	47.6	189.6	10,900	
	180	46.0	184.8	10,100	
	185	44.4	179.7	9,300	
	190	42.7	174.3	8,500	
8	195	41.0	168.6	7,800	
	200	39.2	162.5	7,000	
	205	37.3	156.0	6,200	
	210	35.3	149.0	5,500	
	9	45	81.7	263.9	96,500
50		80.5	263.1	92,300	
55		79.4	262.1	84,700	
60		78.3	261.1	74,700	
65		77.2	259.9	66,400	
10		70	76.0	258.7	59,500
		75	74.9	257.3	53,600
		80	73.7	255.8	48,500
		85	72.6	254.3	44,100
		90	71.4	252.6	40,300
11	95	70.3	250.8	36,900	
	100	69.1	248.8	33,900	
	105	67.9	246.8	31,100	
	110	66.7	244.6	28,700	
	115	65.5	242.3	26,500	
12	120	64.2	239.9	24,500	
	125	63.0	237.3	22,600	
	130	61.8	234.6	20,900	
	135	60.5	231.8	19,400	
	140	59.2	228.8	17,900	
13	145	57.9	225.7	16,600	
	150	56.6	222.4	15,400	
	155	55.2	218.9	14,200	
	160	53.9	215.2	13,100	
	165	52.5	211.4	12,100	
14	170	51.1	207.4	11,200	
	175	49.6	203.1	10,300	
	180	48.2	198.6	9,500	
	185	46.6	193.9	8,700	
	190	45.1	188.9	7,900	
15	195	43.5	183.7	7,000	
	200	41.8	178.1	6,200	
	205	40.1	172.2	5,400	
	210	38.4	165.9	4,700	

Manitowoc 4100W

JIB LIFTING CAPACITIES

4100W

JIB NO. 123 WITH 12' 6" STRUT ON BOOM NO. 22C WITH OPEN THROAT TOP 26' 6" CRAWLERS EXTENDED

Meets ANSI B30.5 Requirements **SERIES 2**

0 DEGREE JIB OFFSET ANGLE

Chart supplement boom capacity chart No. 6924-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgement must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions and physical machine depreciation.

by shaded areas. Operating radius is the horizontal distance from axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Boom and jib load are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1^{1/2} inch - 6 x 31 IPS, IWRC is 28,300 lbs./line.

Capacities do not exceed 75% of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted

	JIB POINT RADIUS FEET	CAPACITIES IN POUNDS BOOMLENGTH - FEET														JIB POINT RADIUS FEET
		110	120	130	140	150	160	170	180	190	200	210	220	230	240	
30 FOOT JIB	90+	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	90+
	95	40000	40000	40000	40000	40000	40000	40000	40000	40000	39500	39100	38600	38000	37500	95
	100	40000	40000	40000	39800	39200	38600	38200	37600	37100	36500	36100	35500	35000	34400	100
	105	38700	38100	37700	37000	36500	35800	35500	34900	34300	33700	33300	32800	32200	31700	105
	110	36300	35600	35200	34600	34000	33400	33000	32400	31900	31300	30900	30300	29800	29200	110
	115	34100	33400	33000	32400	31800	31200	30800	30200	29600	29000	28600	28100	27500	27000	115
	120	32100	31400	31000	30300	29800	29100	28800	28200	27600	27000	26600	26000	25500	25000	120
	130		27900	27400	26800	26200	25600	25200	24600	24100	23500	23100	22500	21900	21400	130
	140			24400	23800	23200	22600	22200	21600	21000	20400	20000	19400	18900	18400	140
	150				21200	20600	20000	19600	19000	18500	17800	17400	16900	16300	15800	150
160					18400	17800	17400	16800	16200	15600	15200	14600	14100	13500	160	
170							15400	14800	14200	13600	13200	12600	12100	11500	170	
180								13100	12500	11900	11500	10900	10300	9800	180	
190									11000	10300	9900	9300	8800	8200	190	
200										8900	8600	8000	7400	6600	200	
210											7300	6600	5800	5100	210	
40 FOOT JIB	105+	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	105+
	110	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	29600	110
	115	30000	30000	30000	30000	30000	30000	30000	30000	30000	29400	29000	28400	27900	27300	115
	120	29600	30000	30000	30000	30000	29500	29100	28500	28000	27400	27000	26400	25800	25300	120
	125	28400	29900	29500	28800	28300	27600	27300	26700	26100	25500	25100	24500	24000	23400	125
	130	27300	28200	27800	27100	26600	25900	25600	25000	24400	23800	23400	22800	22300	21700	130
	140		25200	24800	24100	23600	22900	22500	21900	21400	20800	20400	19800	19200	18700	140
	150			22200	21500	21000	20300	20000	19300	18800	18200	17800	17200	16600	16100	150
	160				19300	18700	18100	17700	17100	16500	15900	15500	14900	14400	13800	160
	170					16100	15700	15100	14600	13900	13500	12900	12400	11800	11800	170
180						14000	13400	12800	12200	11800	11200	10600	10100	10100	180	
190							11800	11300	10600	10200	9600	9100	8500	8500	190	
200									9900	9300	8900	8300	7700	7000	200	
210										8000	7600	7000	6200	5400	210	
50 FOOT JIB	135+	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	135+
	140	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	140
	145		20000	20000	20000	20000	20000	20000	20000	20000	19600	19200	18600	18100	18100	145
	150		20000	20000	20000	20000	20000	20000	19600	19000	18400	18000	17400	16800	16800	150
	155			20000	20000	20000	19400	19000	18400	17800	17200	16800	16200	15700	15700	155
	160			20000	19500	19000	18300	17900	17300	16800	16100	15700	15100	14600	14600	160
	170				17600	17000	16400	16000	15300	14800	14200	13800	13200	12600	12600	170
	180					14600	14200	13600	13000	12400	12000	11400	10900	10900	10900	180
	190							12700	12100	11500	10900	10500	9900	9300	9300	190
	200								10700	10100	9500	9100	8500	7900	7900	200
210									8900	8200	7800	7200	6500	6500	210	
220										7100	6700	5900	5100	5100	220	
60 FOOT JIB	150+	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	150+
	155		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	155
	160		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	160
	170			10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	170
	180				10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	180
	190					10000	10000	10000	10000	10000	10000	10000	10000	10000	9400	190
	200						10000	10000	10000	10000	10000	9600	9200	8600	8000	200
	210							9600	9000	8400	8000	7400	6800	6200	6200	210
220									7900	7300	6800	6100	5300	5300	220	
230										6200	5600	4800	4000	4000	230	

These load charts are intended for instructional purposes only. They were derived from manufacturer sales information which may not be complete or machine specific. Not responsible for typographical errors.

Manitowoc 4100W

JIB LIFTING CAPACITIES

4100W

JIB NO. 123 WITH 12' 6" STRUT ON BOOM NO. 22C WITH OPEN THROAT TOP 26' 6" CRAWLERS EXTENDED

Meets ANSI B30.5 Requirements **SERIES 2**

10 DEGREE JIB OFFSET ANGLE

Chart supplement boom capacity chart No. 6934-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgement must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions and physical machine depreciation.

by shaded areas. Operating radius is the horizontal distance from axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Boom and jib load are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1^{1/8} inch - 6 x 31 IPS. IWRC is 28,300 lbs./line.

Capacities do not exceed 75% of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted

30 FOOT JIB	JIB POINT RADIUS FEET	CAPACITIES IN POUNDS BOOMLENGTH- FEET														JIB POINT RADIUS FEET
		110	120	130	140	150	160	170	180	190	200	210	220	230	240	
	90+	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000
	95	40000	40000	40000	40000	40000	40000	40000	40000	40000	39900	39500	38900	38400	37900	95
	100	38600	40000	40000	40000	39800	39200	38900	38300	37800	37200	36900	36300	35800	35400	100
	105	37200	38500	38100	37500	37000	36400	36100	35500	35000	34500	34100	33600	33100	32600	105
	110	36900	36000	35600	35000	34500	33900	33600	33000	32500	32000	31600	31000	30500	30000	110
	115		33800	33400	32800	32300	31700	31300	30800	30200	29700	29300	28800	28300	27700	115
	120		31700	31300	30700	30200	29600	29300	28700	28200	27600	27200	26700	26200	25700	120
	125			29400	28800	28300	27700	27400	26800	26300	25700	25300	24800	24300	23800	125
	130				27100	26600	26000	25600	25100	24600	24000	23600	23100	22500	22000	130
	140					23500	22900	22600	22000	21500	20900	20500	20000	19500	18900	140
	150						20300	19900	19400	18800	18300	17900	17300	16800	16300	150
	160							17100	16500	16000	15600	15000	14500	14000	14000	160
	170									14500	13900	13600	13000	12500	11900	170
	180										12200	11800	11200	10700	10200	180
	190												9600	9100	8600	190
	200													7700	7000	200

40 FOOT JIB	JIB POINT RADIUS FEET	CAPACITIES IN POUNDS BOOMLENGTH- FEET														JIB POINT RADIUS FEET	
		110	120	130	140	150	160	170	180	190	200	210	220	230	240		
	100+	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	100+
	105	29100	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	27700	105	
	110	28000	29300	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	110	
	115	27100	28300	29500	30000	30000	30000	30000	30000	30000	29900	29300	28900	28300	28300	115	
	120	26200	27400	28600	29700	30000	30000	29800	29200	28700	28100	27800	27200	26700	26200	120	
	125		26600	27700	28800	28800	28200	27900	27300	26800	26200	25900	25300	24800	24300	125	
	130		25900	26900	27600	27100	26500	26100	25600	25100	24500	24100	23600	23100	22600	130	
	140				24500	24000	23400	23000	22500	22000	21400	21000	20500	20000	19400	140	
	150					21300	20700	20400	19800	19300	18700	18300	17800	17300	16800	150	
	160						18400	18100	17500	17000	16400	16000	15500	15000	14400	160	
	170								15500	15000	14400	14000	13400	12900	12400	170	
	180									13200	12600	12200	11600	11100	10600	180	
	190												10600	10000	9500	190	
	200													8600	8100	7600	200

50 FOOT JIB	JIB POINT RADIUS FEET	CAPACITIES IN POUNDS BOOMLENGTH- FEET														JIB POINT RADIUS FEET
		110	120	130	140	150	160	170	180	190	200	210	220	230		
	130+	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	130+
	135	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	135
	140		20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	140
	145		20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	19400	18900	18900	145
	150				20000	20000	20000	20000	20000	19700	19100	18700	18200	17600		150
	155				20000	20000	19900	19500	19000	18500	17900	17500	17000	16400		155
	160					19400	18800	18400	17900	17300	16800	16400	15800	15300		160
	165						17700	17400	16800	16300	15700	15300	14800	14300		165
	170							16700	16400	15800	15300	14700	14300	13800	13300	170
	180								14000	13500	12900	12500	12000	11500		180
	190									11900	11300	10900	10400	9800		190
	200										9900	9500	8900	8400		200

60 FOOT JIB	JIB POINT RADIUS FEET	CAPACITIES IN POUNDS BOOMLENGTH- FEET														JIB POINT RADIUS FEET
		110	120	130	140	150	160	170	180	190	200	210	220	230		
	140+	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	140+
	145		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	145
	150		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	150
	155			10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	155
	160				10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	160
	170					10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	170
	180						10000	10000	10000	10000	10000	10000	10000	10000	10000	180
	190							10000	10000	10000	10000	10000	10000	10000	10000	190
	200									10000	10000	9700	9200	8700	8700	200
	210										8800	8400	7900	7300	7300	210

Manitowoc 4100W

JIB LIFTING CAPACITIES

4100W

Meets ANSI B30.5 Requirements **SERIES 2**

JIB NO. 123 WITH 12' 6" STRUT ON BOOM NO. 22C WITH OPEN THROAT TOP 26' 6" CRAWLERS EXTENDED

20 DEGREE JIB OFFSET ANGLE

Chart supplement boom capacity chart No. 6924-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgement must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, as well as adverse operating conditions and physical machine depreciation.

by shaded areas. Operating radius is the horizontal distance from axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, weight ball, slings, hoist lines beneath boom and jib point sheaves, etc., including those on the main boom is considered part of the jib load. Boom and jib load are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1^{1/2} inch - 6 x 31 IPS, IWRC is 28,300 lbs./line.

Capacities do not exceed 75% of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted

	JIB POINT RADIUS FEET	CAPACITIES IN POUNDS BOOMLENGTH- FEET														JIB POINT RADIUS FEET	
		110	120	130	140	150	160	170	180	190	200	210	220	230	240		
30 FOOT JIB	90+	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	40000	90+	
	95	40000	40000	40000	40000	40000	40000	40000	40000	39500	39100	38600	38000	37500	95		
	100	40000	40000	40000	39800	39200	38600	38200	37600	37100	36500	36100	35500	35000	34400	100	
	105	38700	38100	37700	37000	36500	35800	35500	34900	34300	33700	33300	32800	32200	31700	105	
	110	36300	35600	35200	34600	34000	33400	33000	32400	31900	31300	30900	30300	29800	29200	110	
	115	34100	33400	33000	32400	31800	31200	30800	30200	29600	29000	28600	28100	27500	27000	115	
	120	32100	31400	31000	30300	29800	29100	28800	28200	27600	27000	26600	26000	25500	25000	120	
	130			27900	27400	26800	26200	25600	25200	24600	24100	23500	23100	22500	21900	21400	130
	140				24400	23800	23200	22600	22200	21600	21000	20400	20000	19400	18900	18400	140
	150					21200	20600	20000	19600	19000	18500	17800	17400	16900	16300	15800	150
	160						18400	17800	17400	16800	16200	15600	15200	14600	14100	13500	160
170								15400	14800	14200	13600	13200	12600	12100	11500	170	
180									13100	12500	11900	11500	10900	10300	9800	180	
190										11000	10300	9900	9300	8800	8200	190	
200											8900	8600	8000	7400	6600	200	
210												7300	6600	5800	5100	210	
40 FOOT JIB	105+	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	105+	
	110	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	30000	29600	110	
	115	30000	30000	30000	30000	30000	30000	30000	30000	29400	29000	28400	27900	27300	115		
	120	29600	30000	30000	30000	29500	29100	28500	28000	27400	27000	26400	25800	25300	120		
	125	28400	29900	29500	28800	28300	27600	27300	26700	26100	25500	25100	24500	24000	23400	125	
	130	27300	28200	27800	27100	26600	25900	25600	25000	24400	23800	23400	22800	22300	21700	130	
	140		25200	24800	24100	23600	22900	22500	21900	21400	20800	20400	19800	19200	18700	140	
	150			22200	21500	21000	20300	20000	19300	18800	18200	17800	17200	16600	16100	150	
	160				19300	18700	18100	17700	17100	16500	15900	15500	14900	14400	13800	160	
	170						16100	15700	15100	14600	13900	13500	12900	12400	11800	170	
	180							14000	13400	12800	12200	11800	11200	10600	10100	180	
190								11800	11300	10600	10200	9600	9100	8500	190		
200									9900	9300	8900	8300	7700	7000	200		
210										8000	7600	7000	6200	5400	210		
50 FOOT JIB	135+	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	135+		
	140	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	140		
	145		20000	20000	20000	20000	20000	20000	20000	20000	19600	19200	18600	18100	145		
	150		20000	20000	20000	20000	20000	20000	19600	19000	18400	18000	17400	16800	150		
	155			20000	20000	20000	19400	19000	18400	17800	17200	16800	16200	15700	155		
	160			20000	19500	19000	18300	17900	17300	16800	16100	15700	15100	14600	160		
	170				17600	17000	16400	16000	15300	14800	14200	13800	13200	12600	170		
	180						14600	14200	13600	13000	12400	12000	11400	10900	180		
	190							12700	12100	11500	10900	10500	9900	9300	190		
	200								10700	10100	9500	9100	8500	7900	200		
	210									8900	8200	7800	7200	6500	210		
220										7100	6700	5900	5100	220			
60 FOOT JIB	150+	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	150+		
	155		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	155		
	160		10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	160		
	170			10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	170		
	180				10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	180		
	190					10000	10000	10000	10000	10000	10000	10000	10000	9400	190		
	200						10000	10000	10000	10000	10000	10000	10000	8600	200		
	210							9600	9000	8400	8000	7400	6700	6000	210		
	220								7900	7300	6800	6100	5300	4600	220		
	230									6200	5600	4800	4000	3300	230		

These load charts are intended for instructional purposes only. They were derived from manufacturer sales information which may not be complete or machine specific. Not responsible for typographical errors.