

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE BOOM CAPACITIES WITH JIB NO. 75 ATTACHED

M-1200

**BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75
82'6" JIB STRUT
JIB AT 20 DEGREE OFFSET
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF JIB AND 100,000 LB. JIB LOAD (WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALLS, SLINGS, HOIST LINES, ETC. BENEATH JIB POINT SHEAVES) HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. DO NOT USE THIS CHART IF JIB LOAD EXCEEDS 100,000 LBS. IF JIB LOAD IS LESS THAN 100,000 LBS., THE DIFFERENCE CAN BE ADDED TO BOOM CAPACITY. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS BENEATH BOOM POINT SHEAVES ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH ROLLER PATH LEVEL WITHIN A TOLERANCE OF 1-1/4" IN 60' AND PROPERLY SUPPORTED. DURING OPERATION, JIB MUST BE AT PROPER OFFSET ANGLE SHOWN. REFER TO BOOM RIGGING NO. 173399, JIB ASSEMBLY NO. 173400 AND WIRE ROPE SPECIFICATION CHART NO. 7683-E. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED IN WINDS UP TO 30 MPH PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION AND LOWERING BOOM AND JIB TO APPROXIMATELY 75 DEGREE BOOM ANGLE WHEN WIND EXCEEDS 30 MPH. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 50 MPH.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS 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 IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 60' RINGER ATTACHMENT, 30'9" CRAWLERS, 48" TREADS, 28' RETRACTABLE GANTRY, 150' NO. 75 MAST, 32 PART BOOM HOIST REEVING, STRAP BOOM PENDANTS, STRAP JIB PENDANTS AND BACKSTAYS, 52,000 LB. CRANE COUNTERWEIGHT, AND 1,753,600 LB. AUXILIARY COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 75
253'	---
253'	175'
228'	225'
203'	250'
LOAD BLOCKS ON GROUND AT START.	

WARNING: CHECK AMOUNT OF AUXILIARY COUNTERWEIGHT ON MACHINE BEFORE USE OF THIS CHART.

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100' JIB AT 20 DEGREE OFFSET
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360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	2,014,400
	70	80.0	210.2	1,730,900
	75	78.5	209.1	1,507,000
	80	77.1	207.8	1,325,500
	85	75.6	206.4	1,175,600
	90	74.1	204.9	1,049,500
	95	72.6	203.2	942,000
	100	71.1	201.4	849,300
	105	69.6	199.4	768,600
	110	68.1	197.3	697,500
	115	66.5	195.0	634,600
	120	65.0	192.6	578,500
	125	63.4	189.9	528,100
	130	61.8	187.1	482,500
	135	60.1	184.1	441,200
	140	58.4	180.9	403,600
	145	56.7	177.5	369,100
	150	55.0	173.9	337,500
	155	53.2	170.0	308,300
	160	51.4	165.9	281,200
	165	49.5	161.5	256,200
	170	47.6	156.8	232,900
	175	45.5	151.7	211,100
	180	43.5	146.3	190,800
	185	41.3	140.4	171,700
	190	39.0	134.1	153,800
	195	36.6	127.2	137,000
	200	34.1	119.6	120,100*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 2 8	70	81.1	235.7	1,734,500
	75	79.8	234.7	1,509,800
	80	78.5	233.6	1,327,800
	85	77.2	232.3	1,177,400
	90	75.9	231.0	1,050,900
	95	74.6	229.5	943,100
	100	73.3	227.9	850,100
	105	72.0	226.2	769,100
	110	70.6	224.3	697,800
	115	69.3	222.3	634,700
	120	67.9	220.2	578,400
	125	66.5	217.9	527,800
	130	65.1	215.5	482,100
	135	63.7	212.9	440,600
	140	62.3	210.2	402,800
	145	60.8	207.3	368,200
	150	59.4	204.2	336,400
	155	57.9	201.0	307,100
	160	56.3	197.5	280,000
	165	54.8	193.9	254,800
	170	53.2	190.0	231,400
	175	51.6	185.9	209,600
	180	49.9	181.6	189,200
	185	48.2	177.0	170,000
	190	46.4	172.1	152,100
	195	44.6	166.9	135,200
	200	42.8	161.4	119,200
	205	40.8	155.4	104,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 5 3	70	82.0	261.0	1,735,100
	75	80.8	260.2	1,509,900
	80	79.7	259.2	1,327,500
	85	78.5	258.1	1,176,700
	90	77.3	256.9	1,049,900
	95	76.2	255.5	941,900
	100	75.0	254.1	848,700
	105	73.8	252.6	767,400
	110	72.6	250.9	696,000
	115	71.4	249.1	632,700
	120	70.2	247.3	576,200
	125	69.0	245.3	525,500
	130	67.8	243.1	479,700
	135	66.5	240.8	438,100
	140	65.3	238.5	400,200
	145	64.0	235.9	365,600
	150	62.7	233.2	333,700
	155	61.4	230.4	304,300
	160	60.1	227.4	277,100
	165	58.8	224.3	251,900
	170	57.4	221.0	228,400
	175	56.0	217.5	206,500
	180	54.6	213.9	186,000
	185	53.2	210.0	166,800
	190	51.7	206.0	148,800
	195	50.2	201.7	131,800
	200	48.7	197.2	115,800
	205	47.2	192.4	100,700

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	1,956,200
	70	80.0	210.2	1,676,300
	75	78.5	209.1	1,455,100
	80	77.1	207.8	1,275,900
	85	75.6	206.4	1,127,700
	90	74.1	204.9	1,003,200
	95	72.6	203.2	897,100
	100	71.1	201.4	805,600
	105	69.6	199.4	725,900
	110	68.1	197.3	655,800
	115	66.5	195.0	593,700
	120	65.0	192.6	538,300
	125	63.4	189.9	488,600
	130	61.8	187.1	443,700
	135	60.1	184.1	402,900
	140	58.4	180.9	365,800
	145	56.7	177.5	331,900
	150	55.0	173.9	300,700
	155	53.2	170.0	271,900
	160	51.4	165.9	245,300
	165	49.5	161.5	220,700
	170	47.6	156.8	197,700
	175	45.5	151.7	176,300
	180	43.5	146.3	156,400
	185	41.3	140.4	137,700
	190	39.0	134.1	120,100
	195	36.6	127.2	103,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 2 8	70	81.1	235.7	1,681,700
	75	79.8	234.7	1,459,800
	80	78.5	233.6	1,280,100
	85	77.2	232.3	1,131,500
	90	75.9	231.0	1,006,600
	95	74.6	229.5	900,100
	100	73.3	227.9	808,300
	105	72.0	226.2	728,300
	110	70.6	224.3	657,900
	115	69.3	222.3	595,600
	120	67.9	220.2	540,000
	125	66.5	217.9	490,000
	130	65.1	215.5	444,900
	135	63.7	212.9	404,000
	140	62.3	210.2	366,800
	145	60.8	207.3	332,600
	150	59.4	204.2	301,300
	155	57.9	201.0	272,400
	160	56.3	197.5	245,700
	165	54.8	193.9	220,900
	170	53.2	190.0	197,800
	175	51.6	185.9	176,300
	180	49.9	181.6	156,200
	185	48.2	177.0	137,400
	190	46.4	172.1	119,700
	195	44.6	166.9	103,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 5 3	70	82.0	261.0	1,683,700
	75	80.8	260.2	1,461,300
	80	79.7	259.2	1,281,100
	85	78.5	258.1	1,132,200
	90	77.3	256.9	1,007,000
	95	76.2	255.5	900,300
	100	75.0	254.1	808,200
	105	73.8	252.6	728,000
	110	72.6	250.9	657,500
	115	71.4	249.1	595,000
	120	70.2	247.3	539,200
	125	69.0	245.3	489,200
	130	67.8	243.1	443,900
	135	66.5	240.8	402,900
	140	65.3	238.5	365,500
	145	64.0	235.9	331,300
	150	62.7	233.2	299,900
	155	61.4	230.4	270,900
	160	60.1	227.4	244,100
	165	58.8	224.3	219,200
	170	57.4	221.0	196,000
	175	56.0	217.5	174,500
	180	54.6	213.9	154,300
	185	53.2	210.0	135,400
	190	51.7	206.0	117,600
	195	50.2	201.7	100,900

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150' JIB AT 20 DEGREE OFFSET

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,753,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	1,895,700
	70	80.0	210.2	1,619,600
	75	78.5	209.1	1,401,400
	80	77.1	207.8	1,224,700
	85	75.6	206.4	1,078,600
	90	74.1	204.9	955,900
	95	72.6	203.2	851,300
	100	71.1	201.4	761,100
	105	69.6	199.4	682,500
	110	68.1	197.3	613,400
	115	66.5	195.0	552,200
	120	65.0	192.6	497,700
	125	63.4	189.9	448,700
	130	61.8	187.1	404,500
	135	60.1	184.1	364,400
	140	58.4	180.9	327,900
	145	56.7	177.5	294,500
	150	55.0	173.9	263,800
	155	53.2	170.0	235,500
	160	51.4	165.9	209,400
	165	49.5	161.5	185,200
	170	47.6	156.8	162,700
	175	45.5	151.7	141,700
	180	43.5	146.3	122,100
	185	41.3	140.4	103,800

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 2 8	70	81.1	235.7	1,627,000
	75	79.8	234.7	1,408,200
	80	78.5	233.6	1,230,900
	85	77.2	232.3	1,084,300
	90	75.9	231.0	961,200
	95	74.6	229.5	856,200
	100	73.3	227.9	765,600
	105	72.0	226.2	686,800
	110	70.6	224.3	617,400
	115	69.3	222.3	556,000
	120	67.9	220.2	501,200
	125	66.5	217.9	452,000
	130	65.1	215.5	407,500
	135	63.7	212.9	367,300
	140	62.3	210.2	330,500
	145	60.8	207.3	297,000
	150	59.4	204.2	266,100
	155	57.9	201.0	237,700
	160	56.3	197.5	211,400
	165	54.8	193.9	187,000
	170	53.2	190.0	164,300
	175	51.6	185.9	143,200
	180	49.9	181.6	123,400
	185	48.2	177.0	105,000

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 5 3	70	82.0	261.0	1,630,500
	75	80.8	260.2	1,411,100
	80	79.7	259.2	1,233,400
	85	78.5	258.1	1,086,500
	90	77.3	256.9	963,100
	95	76.2	255.5	857,800
	100	75.0	254.1	767,100
	105	73.8	252.6	688,000
	110	72.6	250.9	618,400
	115	71.4	249.1	556,800
	120	70.2	247.3	501,900
	125	69.0	245.3	452,500
	130	67.8	243.1	408,000
	135	66.5	240.8	367,600
	140	65.3	238.5	330,700
	145	64.0	235.9	297,000
	150	62.7	233.2	266,000
	155	61.4	230.4	237,500
	160	60.1	227.4	211,100
	165	58.8	224.3	186,600
	170	57.4	221.0	163,800
	175	56.0	217.5	142,600
	180	54.6	213.9	122,800
	185	53.2	210.0	104,200

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82'6" JIB STRUT
175' JIB AT 20 DEGREE OFFSET
60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS
52,000 LB. CRANE COUNTERWEIGHT
1,753,600 LB. AUXILIARY COUNTERWEIGHT
360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	1,834,100
	70	80.0	210.2	1,561,600
	75	78.5	209.1	1,346,300
	80	77.1	207.8	1,171,900
	85	75.6	206.4	1,027,800
	90	74.1	204.9	906,700
	95	72.6	203.2	803,600
	100	71.1	201.4	714,600
	105	69.6	199.4	637,100
	110	68.1	197.3	569,000
	115	66.5	195.0	508,700
	120	65.0	192.6	454,900
	125	63.4	189.9	406,600
	130	61.8	187.1	363,100
	135	60.1	184.1	323,600
	140	58.4	180.9	287,600
	145	56.7	177.5	254,800
	150	55.0	173.9	224,600
	155	53.2	170.0	196,800
	160	51.4	165.9	171,100
	165	49.5	161.5	147,300
	170	47.6	156.8	125,200
	175	45.5	151.7	104,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 2 8	70	81.1	235.7	1,571,300
	75	79.8	234.7	1,355,300
	80	78.5	233.6	1,180,300
	85	77.2	232.3	1,035,700
	90	75.9	231.0	914,200
	95	74.6	229.5	810,600
	100	73.3	227.9	721,300
	105	72.0	226.2	643,500
	110	70.6	224.3	575,100
	115	69.3	222.3	514,500
	120	67.9	220.2	460,400
	125	66.5	217.9	411,900
	130	65.1	215.5	368,200
	135	63.7	212.9	328,500
	140	62.3	210.2	292,300
	145	60.8	207.3	259,200
	150	59.4	204.2	228,800
	155	57.9	201.0	200,800
	160	56.3	197.5	174,900
	165	54.8	193.9	150,900
	170	53.2	190.0	128,600
	175	51.6	185.9	107,900

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 5 3	70	82.0	261.0	1,576,300
	75	80.8	260.2	1,359,800
	80	79.7	259.2	1,184,500
	85	78.5	258.1	1,039,500
	90	77.3	256.9	917,700
	95	76.2	255.5	813,900
	100	75.0	254.1	724,300
	105	73.8	252.6	646,300
	110	72.6	250.9	577,700
	115	71.4	249.1	517,000
	120	70.2	247.3	462,800
	125	69.0	245.3	414,100
	130	67.8	243.1	370,200
	135	66.5	240.8	330,300
	140	65.3	238.5	294,000
	145	64.0	235.9	260,800
	150	62.7	233.2	230,300
	155	61.4	230.4	202,200
	160	60.1	227.4	176,200
	165	58.8	224.3	152,100
	170	57.4	221.0	129,600
	175	56.0	217.5	108,700

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82'6" JIB STRUT

200' JIB AT 20 DEGREE OFFSET

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,753,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	1,767,700
	70	80.0	210.2	1,499,500
	75	78.5	209.1	1,287,600
	80	77.1	207.8	1,116,000
	85	75.6	206.4	974,200
	90	74.1	204.9	855,100
	95	72.6	203.2	753,600
	100	71.1	201.4	666,100
	105	69.6	199.4	589,900
	110	68.1	197.3	522,900
	115	66.5	195.0	463,600
	120	65.0	192.6	410,800
	125	63.4	189.9	363,300
	130	61.8	187.1	320,600
	135	60.1	184.1	281,800
	140	58.4	180.9	246,500
	145	56.7	177.5	214,200
	150	55.0	173.9	184,600
	155	53.2	170.0	157,300
	160	51.4	165.9	132,200
	165	49.5	161.5	108,900

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 2 8	70	81.1	235.7	1,511,500
	75	79.8	234.7	1,298,800
	80	78.5	233.6	1,126,600
	85	77.2	232.3	984,300
	90	75.9	231.0	864,700
	95	74.6	229.5	762,800
	100	73.3	227.9	674,900
	105	72.0	226.2	598,300
	110	70.6	224.3	531,100
	115	69.3	222.3	471,500
	120	67.9	220.2	418,300
	125	66.5	217.9	370,600
	130	65.1	215.5	327,600
	135	63.7	212.9	288,600
	140	62.3	210.2	253,100
	145	60.8	207.3	220,500
	150	59.4	204.2	190,700
	155	57.9	201.0	163,200
	160	56.3	197.5	137,800
	165	54.8	193.9	114,300

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



LIFTCRANE BOOM CAPACITIES WITH JIB NO. 75 ATTACHED

M-1200

BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT
MAST NO. 75

82'6" JIB STRUT

225' JIB AT 20 DEGREE OFFSET

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,753,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	1,692,900
	70	80.0	210.2	1,429,600
	75	78.5	209.1	1,221,500
	80	77.1	207.8	1,053,100
	85	75.6	206.4	913,900
	90	74.1	204.9	796,900
	95	72.6	203.2	697,300
	100	71.1	201.4	611,500
	105	69.6	199.4	536,800
	110	68.1	197.3	471,100
	115	66.5	195.0	413,000
	120	65.0	192.6	361,100
	125	63.4	189.9	314,700
	130	61.8	187.1	272,800
	135	60.1	184.1	234,800
	140	58.4	180.9	200,300
	145	56.7	177.5	168,700
	150	55.0	173.9	139,700
	155	53.2	170.0	113,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 2 8	70	81.1	235.7	1,443,900
	75	79.8	234.7	1,235,100
	80	78.5	233.6	1,066,000
	85	77.2	232.3	926,300
	90	75.9	231.0	808,900
	95	74.6	229.5	708,900
	100	73.3	227.9	622,600
	105	72.0	226.2	547,500
	110	70.6	224.3	481,500
	115	69.3	222.3	423,000
	120	67.9	220.2	370,900
	125	66.5	217.9	324,200
	130	65.1	215.5	282,000
	135	63.7	212.9	243,700
	140	62.3	210.2	208,900
	145	60.8	207.3	177,100
	150	59.4	204.2	147,900
	155	57.9	201.0	121,000

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES WITH JIB NO. 75 ATTACHED

M-1200

BOOM NO. 72 OR NO. 72A WITH 1,433 TON BOOM POINT

MAST NO. 75

82'6" JIB STRUT

250' JIB AT 20 DEGREE OFFSET

60' RINGER ATTACHMENT ON SCREW JACK PEDESTALS

52,000 LB. CRANE COUNTERWEIGHT

1,753,600 LB. AUXILIARY COUNTERWEIGHT

360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
2 0 3	65	81.4	211.2	1,624,300
	70	80.0	210.2	1,365,200
	75	78.5	209.1	1,160,500
	80	77.1	207.8	994,800
	85	75.6	206.4	857,900
	90	74.1	204.9	742,900
	95	72.6	203.2	645,000
	100	71.1	201.4	560,600
	105	69.6	199.4	487,100
	110	68.1	197.3	422,600
	115	66.5	195.0	365,400
	120	65.0	192.6	314,500
	125	63.4	189.9	268,900
	130	61.8	187.1	227,800
	135	60.1	184.1	190,500
	140	58.4	180.9	156,600
	145	56.7	177.5	125,700