

WEIGHTS
4100W SERIES-1 and 2

DESCRIPTION

APPROXIMATE WEIGHT
(POUNDS)

Liftcrane — with 70' No. 22C boom, crane counterweight, universal gantry with telescopic backhitch, 26'6" crawlers with 48" treads, full width tandem drums, independent swing, independent boom hoist, Cummins NTA-855-C360 engine, 27-5/8" diameter lagging for rear drum, boom hoist rope, equalizer, telescopic air cushioned boom stop, 200 ton hook block, 15 ton hook and weight ball, single sheave upper boom point, and upper wire rope guide S-1 — 366,575 *
S-2 — 450,575 *

Upperworks — with Cummins NTA-855-C360 engine, independent swing, independent boom hoist, and 27-5/8" diameter lagging for rear drum; **LESS** boom, gantry and backhitch, equalizer, hook block, weight ball, counterweight, telescopic air cushioned boom stop and catwalk..... 80,620 *

Upperworks — as above with gantry and backhitch, equalizer, boom hoist rope, and carbody; **LESS** crawlers 141,365 *

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

Carbody — with roller path, ring gear, and king pin; **LESS** crawlers 49,700

Crawlers — 26'6" with 48" treads 38,405 each

Counterweight

Inner (Self-Removing) 41,900
Middle (Self-Removing) 41,500
Outer (Self-Removing) 39,000
Upper Side (2) (Series-2 only) 12,000 each
Carbody (2) (Series-2 only) 30,000 each

No. 22C Open Throat Boom Top

Boom Top — 40' (with lower boom point assembly) 8,770
Basic Pendant — 40' 9-3/4" (4) 250 each
Upper Boom Point (single sheave) 1,260
(double sheave) 1,510
Jib Adapter..... 540
Offset Link (2) 60 each

No. 22A Light Tapered Boom Top

Tapered Boom Top — 50' (with lower boom point assembly) 5,980
Tapered Boom Insert — 30' 3,610
Basic Pendant — 40' 9-3/4" (4) 250 each
Upper Boom Point 720
Wire Rope Anchor Joint 140

No. 22A Hammerhead Boom Top

Boom Top — 10' (with boom point and wire rope guide assembly) 5,510
Tapered Boom Insert — 30' 3,610
Basic Pendant — 37'11" (4) 215 each
Upper Boom Point 275

DESCRIPTION

APPROXIMATE WEIGHT
(POUNDS)

No. 22A and 22C Boom Butt, Inserts, and Pendants

Boom Butt — 30'0"	6,320
Boom Insert — 40'0" (with Jib Backstay and Wire Rope Roller Guide)	4,560
Boom Insert — 40'0"	4,460
Boom Insert — 20'0"	2,480
Boom Insert — 10'0"	1,400
Pendant — 40' (4 per Insert)	215 each
Pendant — 20' (4 per Insert)	155 each
Pendant — 10' (4 per Insert)	115 each
Pendant Spreader Bar.....	440
Wire Rope Guide Assembly (Upper).....	550
Wire Rope Guide Assembly (Lower).....	325
Wire Rope Roller Guide Assembly	55
Equalizer with Pendant Links	2,160
Telescopic Boom Stop	675
Platform for Butt.....	100
Removable Equalizer Rail (2)	50 each
Pendant Attaching Lug with Link for Boom Handling (2).....	250 each
Pendant Rubbing Frame (4)	50 each

No. 123 Jib

Jib Top — 15'0" (with Jib Point)	695
Jib Butt — 15'0"	600
Jib Insert — 10'0"	340
Basic Pendant — 33' 3-3/4" (2)	115 each
Pendant — 10' (2 per Insert)	65 each
Jib Backstay Pendant — 50'4" (2)	90 each
Jib Strut — 12'6"	390

Components

Hook Rollers with Shafts (6)	170 each
Light Plant with Mounting Platform — 6.5 KW.....	1,390
Catwalk — Right and Left Side with Rails.....	1,320
Lagging — 27-5/8" Diameter (Plain).....	1,440
12 - Part Gantry with Telescopic Backhitch	7,805
Boom Hoist Wire Rope — 12 Part, 760' of 7/8" 6x26	1,080
Hoist Line — 1-1/8" 6x31	2.34 lbs./ft.
Whip Line — 1-1/8" 6x31	2.34 lbs./ft.
15 Ton Hook and Weight Ball	865
100 Ton Hook Block Assembly (LESS 2-1,225 Lbs. Weight Plates).....	3,220
200 Ton Hook Block Assembly	4,815
230 Ton Hook Block Assembly	5,660
Dragline Fairlead — Revolving	1,910
Dragline Fairlead — Hinged	8,180

NOTE Weights may fluctuate ±5% due to manufacturing tolerances. Also, weights of various small components have been omitted from this weight sheet.

View thousands of Crane Specifications on FreeCraneSpecs.com		
DESCRIPTION	NOTE	APPROXIMATE WEIGHT (POUNDS)
Weights may fluctuate ±5% due to manufacturing tolerances. Also, weights of various small components have been omitted from this weight sheet.		
Liftcrane — with 33 foot stationary tower with container handling system, 80 foot number 22A boom, 242,400 pounds crane counterweight, elevated operator's cab with stairway, gantry, full width front and rear drums with 19-7/8 inch diameter grooved lagging on each drum, independent swing, independent boom hoist with boom hoist wire rope, Cummins NTA-885-C400 engine with VICON® controlled torque converters, 26 foot 6 inch crawlers with 48 inch treads, telescopic air cushioned boom stops, sheave carrier, upper wire rope guide assembly, two container handling blocks, and two 40 ton swivel hook blocks		
		502,280 *
Upperworks — with Cummins NTA-855-C400 engine with VICON controlled converters, full width front and rear drums with 19-7/8 inch grooved lagging on each drum, independent swing, and independent boom hoist; LESS crane counterweights, elevated operators cab with stairway, gantry, boom hoist wire rope, stationary tower with tagline drums, boom, sheave carrier, telescopic boom stops, two container handling blocks, and two 40 ton swivel hook blocks. . .		
		77,375 *
Upperworks — as above with gantry, boom hoist wire rope, sheave carrier, and carbody; LESS crawlers. . .		
		133,385 *
*Weights do not include hoist line, whip line, fuel and lubricants.		
Carbody — with roller path, ring gear, and king pin; LESS crawlers		47,760
Crawlers — 26 foot 6 inches with 48 inch treads.		38,730 each
Counterweight		
Inner (self-removing)		41,900
Middle (self-removing)		41,500
Outer (self-removing)		39,000
Upper Side (2)		30,000 each
Carbody (2)		30,000 each
33 Foot Stationary Tower		
Tower — 33'-0" (with container handling system)		10,275
Boom Strut		1,600
Main Strut		2,260
Link (2)		485 each
Tower Cap Wire Rope Guide		865
Sheave Carrier		1,390
Tower Backstay		2,535
Strut for Tower Backstay (2)		35 each
Pendant Link (2)		125 each
Fairlead Assembly (2)		105 each
Sheave Assembly (with mounting channel)		340
Winch Assembly (with mounting plate)		1,215
Boom No. 22A		
Boom Butt — 30'-0" (with wire rope roller guide and strut supports)		6,320
Boom Top — 50'-0" (with sheaves in point, two wedge sockets, and wire rope roller guide)		7,010
Boom Insert 40'-0"		4,300
Boom Insert 20'-0"		2,450
Boom Insert 10'-0"		1,450
Basic Pendant — 68'-4" (4)		280 each
Pendant — 40'-0" (4)		175 each
Pendant — 20'-0" (4)		125 each
Pendant — 10'-0" (4)		90 each
Wire Rope Guide Assembly (boom top)		325
Wire Rope Roller Guide Assembly (inserts)		55 each
Pendant Link with Pin (2)		90 each

Components

Hook Rollers with Shafts (6)	170 each
Drum with Lagging — 19-7/8" Diameter, Grooved (2)	2,260 each
Gantry with Backhitch	5,745
Boom Hoist Wire Rope — 14 Part, 875' of 7/8" 6x26	1,287
Hoist Line Rope — 1-1/8" 6x31	2.34 lbs./ft.
Tagline Wire Rope — (2) 560' of 3/8" 6x19	145 each
40 Ton Swivel Hook Block	1,050
Telescopic Air Cushioned Boom Stop	1,170
Container Handling Blocks with Attachment Beam	630

REFERENCE MANUAL CHECKLIST

SEND ORDER FORM TO: ADVERTISING DEPARTMENT, MANITOWOC ENGINEERING CO.
P.O. Box 70, MANITOWOC, WISCONSIN 54220

SHIPPING INSTRUCTIONS:

FIRM: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

ATTN: _____

4100W S-2

DATED: 08-14-85

Quan.	No.	Date	Description
_____	7809		ANNOUNCEMENT BROCHURE
_____	160299-1/2	03-25-83	OUTLINE DIMENSIONS
★ _____	962-1/2	07-10-84	WEIGHTS
			BOOM NO. 22C — OPEN THROAT TOP <i>Meets ANSI B30.5 Code</i>
★ _____	190693	07-13-83	RIGGING ASSEMBLY DRAWING
★ _____	6934-A	04-26-84	LIFT CAPACITIES
			JIB NO. 123 LIFT CAPACITIES
			70' thru 100' Boom
	6935-G	07-09-79	0° Jib Offset Angle
_____	6935-H	07-09-79	10° Jib Offset Angle
_____	6935-I	07-09-79	20° Jib Offset Angle
			110' thru 240' Boom
	6935-A	11-10-78	0° Jib Offset Angle
_____	6935-B	11-10-78	10° Jib Offset Angle
_____	6935-C	11-10-78	20° Jib Offset Angle
			BOOM NO. 22C — 4½° OFFSET TOP <i>Meets ANSI B30.5 Code</i>
★ _____	6934-B	04-26-84	LIFT CAPACITIES
			JIB NO. 123 LIFT CAPACITIES
			70' thru 100' Boom
	6936-G	07-09-79	0° Jib Offset Angle
_____	6936-H	07-09-79	10° Jib Offset Angle
_____	6936-I	07-09-79	20° Jib Offset Angle
			110' thru 240' Boom
	6936-A	01-25-78	0° Jib Offset Angle
_____	6936-B	01-25-78	10° Jib Offset Angle
_____	6936-C	01-25-78	20° Jib Offset Angle
			BOOM NO. 22A — HAMMERHEAD TOP <i>Meets ANSI B30.5 Code</i>
	190993	09-05-80	RIGGING ASSEMBLY DRAWING
★ _____	6961-A	04-26-84	LIFT CAPACITIES
			JIB NO. 123 LIFT CAPACITIES
	6969-A	02-27-80	5° Jib Offset Angle
_____	6969-B	02-27-80	10° Jib Offset Angle
_____	6969-C	02-27-80	20° Jib Offset Angle
			BOOM NO. 22A — LIGHT TAPERED TOP <i>Meets ANSI B30.5 Code</i>
★ _____	50935	03-07-83	RIGGING ASSEMBLY DRAWING
★ _____	7342-A	03-24-83	LIFT CAPACITIES
			JIB NO. 123 LIFT CAPACITIES
	7343-A	03-24-83	0° Jib Offset Angle
★ _____	7343-B	03-24-83	10° Jib Offset Angle
★ _____	7343-C	03-24-83	20° Jib Offset Angle
			(Continued on reverse side.)
			★New or revised item contained in this mailing

REFERENCE MANUAL CHECKLIST

SEND ORDER FORM TO: ADVERTISING DEPARTMENT, MANITOWOC ENGINEERING CO.
P.O. Box 70, MANITOWOC, WISCONSIN 54220

SHIPPING INSTRUCTIONS:

FIRM: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

ATTN: _____

4100W S-2

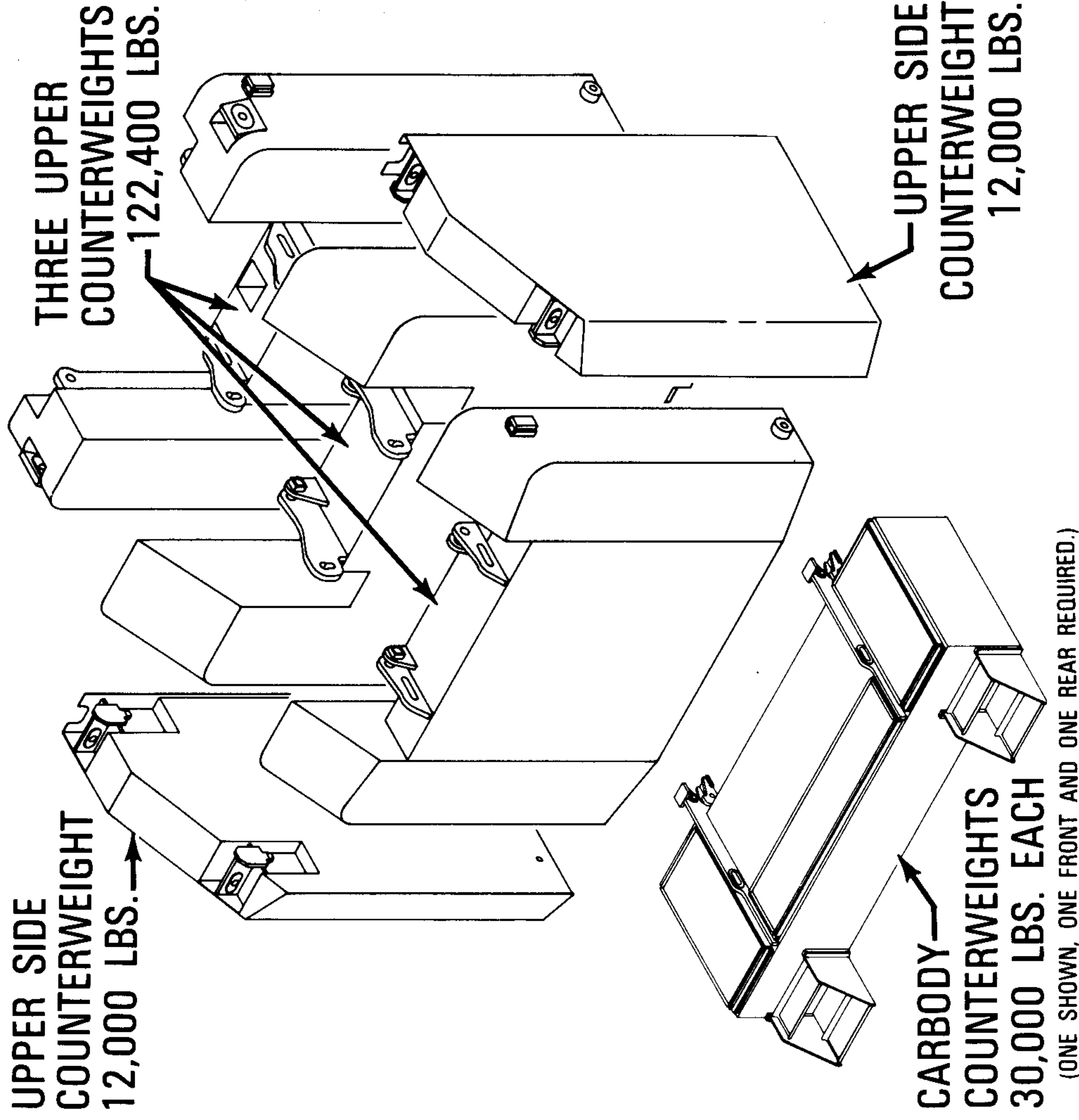
DATED: 08-14-85

Quan.	No.	Date	Description
_____	Bulletin 1	02-17-84	CONTAINER-HANDLING ASSEMBLY
_____	161579	03-25-83	CONTAINER-HANDLING ASSEMBLY
_____	1139-1/2	06-15-83	OUTLINE DIMENSIONS
_____	161323	03-22-83	WEIGHTS
_____	191538	10-21-83	RIGGING ASSEMBLY DRAWING
_____		04-06-83	RANGE DIAGRAM
			LIFT CAPACITIES
★New or revised item contained in this mailing.			

CAUTION

BOTH CARBODY COUNTERWEIGHTS MUST ALWAYS BE ATTACHED TO CARBODY BEFORE ATTACHING THE UPPER SIDE COUNTERWEIGHTS TO THE UPPER COUNTERWEIGHTS. LIKEWISE, THE UPPER SIDE COUNTERWEIGHTS MUST BE REMOVED FROM THE UPPER COUNTERWEIGHTS BEFORE REMOVING THE CARBODY COUNTERWEIGHTS. NEVER OPERATE THE MACHINE WITH UPPER SIDE COUNTERWEIGHTS IN PLACE UNLESS BOTH CARBODY COUNTERWEIGHTS ARE ALSO IN PLACE.

4100W SERIES 2

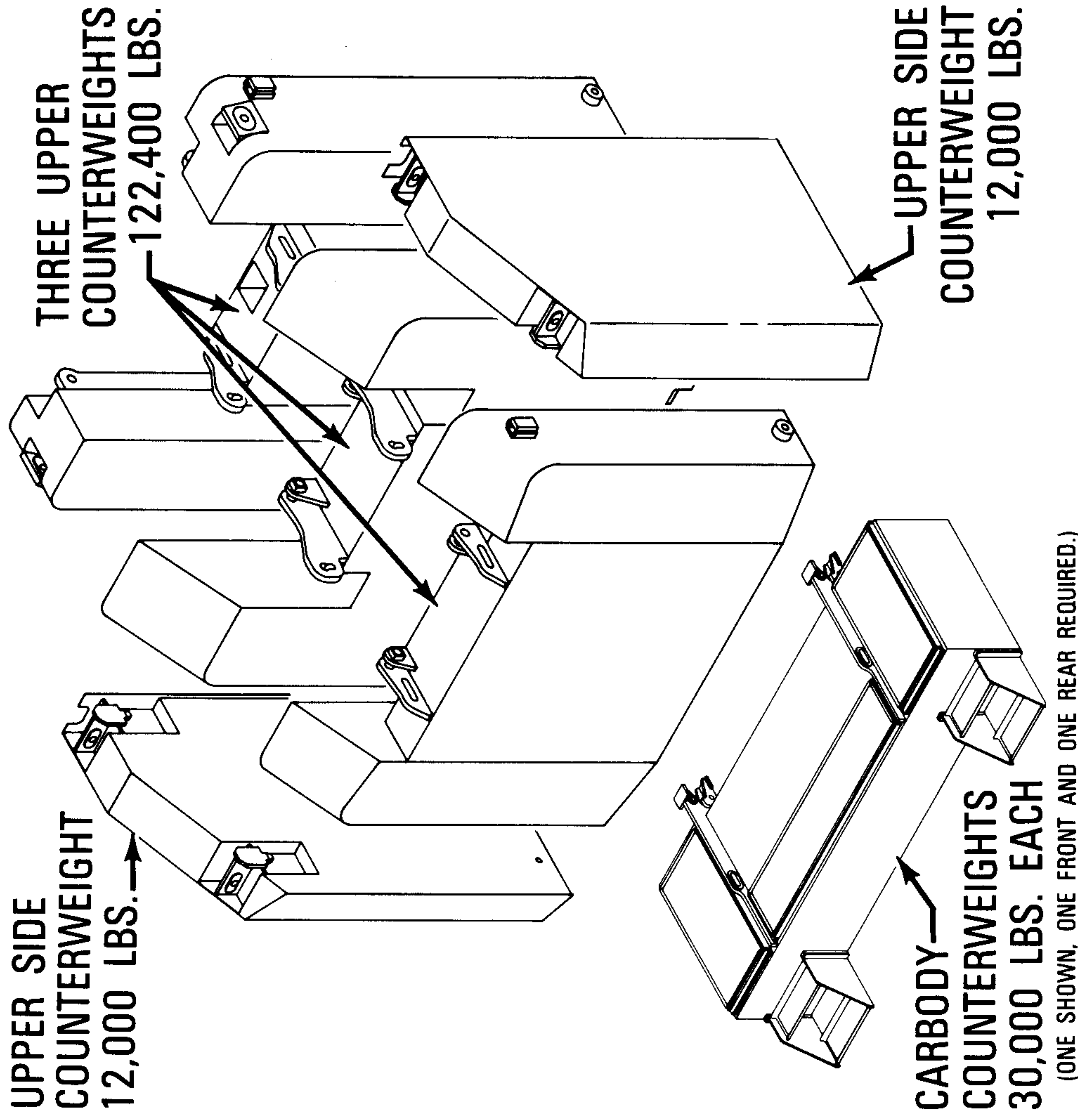


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4100W SERIES 2



View thousands of Crane Specifications on FreeCraneSpecs.com

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6934-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB 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 AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE JIB LOAD. BOOM AND JIB ARE 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 190693, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6592-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

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

MACHINE EQUIPPED WITH 26' 6" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST CWT. = 41,900 LBS., 2ND CWT. = 41,500 LBS., 3RD CWT. = 39,000 LBS., TWO 12,000 LB. SIDE CWTs. AND TWO 30,000 LB. CARBODY CWTs.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 31 IPS, IWRC IS 28,300 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BM. LGTH.	JIB NO. 123	BM. LGTH.	JIB NO. 123
260'	---	260'	---
250'	---	250'	---
240'	40'	240'	40'
230'	60'	230'	60'
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.			

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	30	79.9	148.1	40,000*							30
	35	77.9	147.1	40,000*	79.9	146.6	40,000*				35
	40	75.8	145.9	40,000*	77.8	145.4	40,000*	79.8	144.1	40,000*	40
	45	73.8	144.5	40,000*	75.8	144.0	40,000*	77.7	142.7	40,000*	45
	50	71.7	142.9	40,000*	73.7	142.4	40,000*	75.6	141.1	40,000*	50
	55	69.5	141.1	40,000*	71.5	140.6	40,000*	73.4	139.3	40,000*	55
	60	67.4	139.1	40,000*	69.4	138.6	40,000*	71.2	137.3	40,000*	60
	65	65.2	136.9	40,000*	67.2	136.3	40,000*	69.0	135.0	40,000*	65
	70	63.0	134.4	40,000*	64.9	133.9	40,000*	66.8	132.5	40,000*	70
	75	60.7	131.7	40,000*	62.6	131.1	40,000*	64.5	129.7	38,800*	75
	80	58.4	128.7	40,000*	60.3	128.1	40,000*	62.1	126.7	37,400*	80
	90	53.5	121.9	40,000*	55.4	121.3	40,000*	57.2	119.7	35,000*	90
120	100	48.4	113.6	40,000*	50.2	113.0	38,600*				100
	110	42.7	103.7	36,300	44.6	103.0	35,900*				110
	120	36.4	91.4	32,100							120
	35	78.7	157.3	40,000*							35
	40	76.8	156.2	40,000*	78.7	155.7	40,000*				40
	45	74.8	154.9	40,000*	76.7	154.4	40,000*	78.5	153.1	40,000*	45
	50	72.9	153.4	40,000*	74.8	152.9	40,000*	76.6	151.6	40,000*	50
	55	70.9	151.8	40,000*	72.8	151.3	40,000*	74.6	149.9	40,000*	55
	60	68.9	149.9	40,000*	70.8	149.4	40,000*	72.6	148.0	40,000*	60
	65	66.9	147.8	40,000*	68.8	147.3	40,000*	70.5	146.0	40,000*	65
	70	64.9	145.6	40,000*	66.7	145.0	40,000*	68.4	143.7	40,000*	70
	75	62.8	143.1	40,000*	64.6	142.5	40,000*	66.3	141.1	40,000*	75
	80	60.7	140.3	40,000*	62.5	139.8	40,000*	64.2	138.4	38,600*	80
	90	56.3	134.1	40,000*	58.1	133.5	40,000*	59.7	132.0	36,200*	90
	100	51.6	126.8	40,000*	53.4	126.1	40,000*	55.0	124.5	34,100*	100
	110	46.7	118.0	35,600	48.4	117.3	36,000				110
	120	41.2	107.5	31,400	43.0	106.8	31,700				120
	130	35.2	94.6	27,900							130

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	40	80.1	207.3	40,000*							40
	45	78.6	206.3	40,000*	80.0	205.8	40,000*				45
	50	77.2	205.2	40,000*	78.6	204.7	40,000*	80.0	203.3	40,000*	50
	55	75.7	204.0	40,000*	77.2	203.5	40,000*	78.5	202.1	40,000*	55
	60	74.3	202.6	40,000*	75.7	202.1	40,000*	77.0	200.7	40,000*	60
	65	72.8	201.1	40,000*	74.2	200.6	40,000*	75.6	199.2	40,000*	65
	70	71.3	199.5	40,000*	72.7	198.9	40,000*	74.1	197.6	40,000*	70
	75	69.8	197.7	40,000*	71.2	197.1	40,000*	72.6	195.7	40,000*	75
	80	68.3	195.8	40,000*	69.7	195.2	40,000*	71.0	193.8	40,000*	80
	90	65.2	191.4	40,000*	66.6	190.9	40,000*	67.9	189.4	40,000*	90
	100	62.1	186.4	38,200	63.5	185.8	38,900	64.7	184.3	38,900*	100
	110	58.9	180.7	33,000	60.2	180.1	33,600	61.5	178.5	34,100	110
	120	55.5	174.2	28,800	56.8	173.6	29,300	58.1	172.0	29,700	120
	130	52.0	166.8	25,200	53.3	166.1	25,600	54.5	164.4	26,000	130
	140	48.3	158.4	22,200	49.6	157.7	22,600				140
	150	44.4	148.7	19,600	45.7	148.0	19,900				150
	160	40.2	137.6	17,400							160
	170	35.6	124.7	15,400							170
180	40	80.5	217.4	40,000*							40
	45	79.2	216.5	40,000*	80.5	216.0	40,000*				45
	50	77.8	215.5	40,000*	79.1	214.9	40,000*	80.5	213.6	40,000*	50
	55	76.4	214.3	40,000*	77.8	213.8	40,000*	79.1	212.4	40,000*	55
	60	75.0	213.0	40,000*	76.4	212.5	40,000*	77.7	211.1	40,000*	60
	65	73.6	211.6	40,000*	75.0	211.0	40,000*	76.3	209.7	40,000*	65
	70	72.2	210.0	40,000*	73.6	209.5	40,000*	74.8	208.1	40,000*	70
	75	70.8	208.3	40,000*	72.1	207.8	40,000*	73.4	206.4	40,000*	75
	80	69.4	206.5	40,000*	70.7	205.9	40,000*	72.0	204.5	40,000*	80
	90	66.5	202.4	40,000*	67.8	201.8	40,000*	69.0	200.4	40,000*	90
	100	63.5	197.7	37,600	64.8	197.1	38,300	66.0	195.6	39,000	100
	110	60.5	192.3	32,400	61.8	191.7	33,000	63.0	190.2	33,600	110
	120	57.3	186.2	28,200	58.6	185.6	28,700	59.8	184.0	29,200	120
	130	54.1	179.3	24,600	55.3	178.7	25,100	56.5	177.0	25,500	130
	140	50.7	171.6	21,600	51.9	170.9	22,000	53.0	169.2	22,400	140
	150	47.1	162.8	19,000	48.3	162.0	19,400				150
	160	43.3	152.7	16,800	44.5	152.0	17,100				160
	170	39.2	141.2	14,800							170
	180	34.7	127.8	13,100							180
190	45	79.7	226.7	40,000*							45
	50	78.3	225.7	40,000*	79.6	225.2	40,000*				50
	55	77.0	224.6	40,000*	78.3	224.1	40,000*	79.6	222.7	40,000*	55
	60	75.7	223.4	40,000*	77.0	222.8	40,000*	78.2	221.4	40,000*	60
	65	74.4	222.0	40,000*	75.7	221.5	40,000*	76.9	220.1	40,000*	65
	70	73.1	220.5	40,000*	74.3	220.0	40,000*	75.6	218.6	40,000*	70
	75	71.7	218.9	40,000*	73.0	218.4	40,000*	74.2	216.9	40,000*	75
	80	70.3	217.2	40,000*	71.6	216.6	40,000*	72.8	215.2	40,000*	80
	90	67.6	213.3	40,000*	68.9	212.7	40,000*	70.0	211.3	40,000*	90
	100	64.8	208.8	37,100	66.0	208.2	37,800	67.2	206.8	38,500	100
	110	61.9	203.7	31,900	63.2	203.2	32,500	64.3	201.6	33,100	110
	120	59.0	198.0	27,600	60.2	197.4	28,200	61.3	195.8	28,700	120
	130	55.9	191.6	24,100	57.1	190.9	24,600	58.2	189.3	25,000	130
	140	52.7	184.3	21,000	54.0	183.7	21,500	55.0	182.0	21,900	140
	150	49.4	176.2	18,500	50.6	175.5	18,800				150
	160	46.0	167.0	16,200	47.1	166.3	16,500				160
	170	42.3	156.6	14,200	43.4	155.8	14,500				170
	180	38.3	144.7	12,500							180
	190	33.9	130.9	11,000							190

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
230	50	80.1	266.4	40,000*							50
	55	79.0	265.5	40,000*	80.1	265.0	40,000*				55
	60	77.9	264.5	40,000*	79.0	263.9	40,000*	80.1	262.5	40,000*	60
	65	76.8	263.3	40,000*	77.9	262.8	40,000*	79.0	261.4	40,000*	65
	70	75.7	262.1	40,000*	76.8	261.5	40,000*	77.8	260.1	40,000*	70
	75	74.6	260.7	40,000*	75.6	260.2	40,000*	76.7	258.8	40,000*	75
	80	73.4	259.3	40,000*	74.5	258.7	40,000*	75.6	257.3	40,000*	80
	90	71.1	256.1	40,000*	72.2	255.5	40,000*	73.2	254.0	40,000*	90
	100	68.8	252.4	35,000	69.9	251.8	35,800	70.9	250.3	36,700	100
	110	66.5	248.2	29,800	67.5	247.6	30,500	68.5	246.1	31,300	110
	120	64.1	243.6	25,500	65.1	243.0	26,200	66.1	241.5	26,800	120
	130	61.6	238.4	21,900	62.7	237.8	22,500	63.6	236.2	23,100	130
	140	59.1	232.7	18,900	60.2	232.0	19,500	61.1	230.5	20,000	140
	150	56.5	226.3	16,300	57.6	225.7	16,800	58.5	224.1	17,200	150
	160	53.9	219.3	14,100	54.9	218.7	14,500	55.8	217.0	14,900	160
	170	51.1	211.6	12,100	52.2	210.9	12,500	53.1	209.2	12,800	170
	180	48.3	203.1	10,300	49.3	202.4	10,700				180
	190	45.3	193.6	8,800	46.3	192.9	9,100				190
	200	42.1	183.1	7,400*	43.1	182.3	7,700				200
	210	38.8	171.3	5,800*							210
	220	35.1	157.9	4,400*							220
240	50	80.5	276.6	40,000*							50
	55	79.4	275.7	40,000*	80.5	275.1	40,000*				55
	60	78.4	274.7	40,000*	79.4	274.1	40,000*	80.5	272.7	40,000*	60
	65	77.3	273.6	40,000*	78.4	273.0	40,000*	79.4	271.6	40,000*	65
	70	76.2	272.4	40,000*	77.3	271.8	40,000*	78.3	270.4	40,000*	70
	75	75.1	271.1	40,000*	76.2	270.6	40,000*	77.2	269.1	40,000*	75
	80	74.1	269.7	40,000*	75.1	269.2	40,000*	76.1	267.7	40,000*	80
	90	71.9	266.6	40,000*	72.9	266.0	40,000*	73.9	264.6	40,000*	90
	100	69.6	263.1	34,400	70.7	262.5	35,400	71.6	261.0	36,200	100
	110	67.4	259.1	29,200	68.4	258.5	30,000	69.4	257.0	30,800	110
	120	65.1	254.7	25,000	66.1	254.1	25,700	67.1	252.6	26,300	120
	130	62.8	249.7	21,400	63.8	249.1	22,000	64.7	247.6	22,600	130
	140	60.4	244.3	18,400	61.4	243.7	18,900	62.3	242.1	19,500	140
	150	57.9	238.2	15,800	58.9	237.6	16,300	59.8	236.0	16,700	150
	160	55.4	231.6	13,500	56.4	231.0	14,000	57.3	229.3	14,400	160
	170	52.8	224.3	11,500	53.8	223.7	11,900	54.7	221.9	12,300	170
	180	50.1	216.3	9,800	51.1	215.6	10,200				180
	190	47.3	207.5	8,200	48.3	206.8	8,600				190
	200	44.4	197.7	6,600*	45.4	197.0	7,000*				200
	210	41.3	186.9	5,100*	42.3	186.1	5,400*				210

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
150	40	79.7	197.1	30,000*							40
	45	78.2	196.1	30,000*	80.2	195.4	30,000*				45
	50	76.7	194.9	30,000*	78.7	194.2	30,000*				50
	55	75.2	193.6	30,000*	77.1	192.9	30,000*	79.1	191.2	30,000*	55
	60	73.6	192.2	30,000*	75.6	191.5	30,000*	77.5	189.7	30,000*	60
	65	72.1	190.6	30,000*	74.0	189.9	30,000*	75.9	188.1	30,000*	65
	70	70.5	188.9	30,000*	72.5	188.2	30,000*	74.3	186.4	30,000*	70
	75	68.9	187.0	30,000*	70.9	186.3	30,000*	72.7	184.5	30,000*	75
	80	67.3	184.9	30,000*	69.3	184.2	30,000*	71.1	182.4	30,000*	80
	90	64.1	180.3	30,000*	66.0	179.6	30,000*	67.8	177.7	30,000*	90
	100	60.7	175.0	30,000*	62.6	174.2	30,000*	64.4	172.3	28,600*	100
	110	57.2	168.8	30,000*	59.1	168.0	30,000*	60.9	166.0	27,100*	110
	120	53.6	161.8	30,000*	55.5	161.0	30,000*	57.2	158.9	25,800*	120
	130	49.8	153.8	26,600	51.7	152.9	27,100	53.3	150.7	24,600*	130
	140	45.8	144.6	23,600	47.6	143.7	24,000				140
	150	41.5	133.9	21,000	43.2	132.9	21,300				150
	160	36.7	121.4	18,700							160
160	40	80.2	207.3	30,000*							40
	45	78.8	206.3	30,000*							45
	50	77.4	205.2	30,000*	79.2	204.5	30,000*				50
	55	75.9	204.0	30,000*	77.8	203.3	30,000*	79.6	201.5	30,000*	55
	60	74.5	202.6	30,000*	76.3	201.9	30,000*	78.1	200.1	30,000*	60
	65	73.0	201.1	30,000*	74.8	200.4	30,000*	76.7	198.6	30,000*	65
	70	71.5	199.5	30,000*	73.4	198.8	30,000*	75.2	197.0	30,000*	70
	75	70.0	197.7	30,000*	71.9	197.0	30,000*	73.6	195.1	30,000*	75
	80	68.5	195.7	30,000*	70.3	195.0	30,000*	72.1	193.2	30,000*	80
	90	65.4	191.4	30,000*	67.3	190.7	30,000*	69.0	188.8	30,000*	90
	100	62.3	186.4	30,000*	64.1	185.6	30,000*	65.8	183.7	29,200*	100
	110	59.0	180.7	30,000*	60.8	179.9	30,000*	62.5	177.9	27,700*	110
	120	55.7	174.2	29,500	57.5	173.3	30,000*	59.1	171.3	26,400*	120
	130	52.2	166.8	25,900	53.9	165.9	26,500	55.5	163.7	25,300*	130
	140	48.5	158.3	22,900	50.2	157.4	23,400				140
	150	44.6	148.7	20,300	46.3	147.7	20,700				150
	160	40.4	137.6	18,100	42.1	136.6	18,400				160
	170	35.8	124.7	16,100							170
170	45	79.3	216.5	30,000*							45
	50	78.0	215.5	30,000*	79.8	214.8	30,000*				50
	55	76.6	214.3	30,000*	78.4	213.6	30,000*	80.1	211.8	30,000*	55
	60	75.2	213.0	30,000*	77.0	212.3	30,000*	78.7	210.5	30,000*	60
	65	73.8	211.6	30,000*	75.6	210.9	30,000*	77.3	209.1	30,000*	65
	70	72.4	210.0	30,000*	74.2	209.3	30,000*	75.9	207.5	30,000*	70
	75	71.0	208.3	30,000*	72.7	207.6	30,000*	74.4	205.8	30,000*	75
	80	69.6	206.5	30,000*	71.3	205.7	30,000*	73.0	203.9	30,000*	80
	90	66.7	202.4	30,000*	68.4	201.6	30,000*	70.1	199.8	30,000*	90
	100	63.7	197.7	30,000*	65.4	196.9	30,000*	67.1	195.0	29,900*	100
	110	60.6	192.3	30,000*	62.4	191.5	30,000*	64.0	189.5	28,400*	110
	120	57.5	186.2	29,100	59.2	185.4	29,800	60.8	183.3	27,000*	120
	130	54.2	179.3	25,600	55.9	178.5	26,100	57.5	176.3	25,900*	130
	140	50.8	171.5	22,500	52.5	170.6	23,000	54.0	168.4	23,500	140
	150	47.3	162.7	20,000	48.9	161.8	20,400				150
	160	43.5	152.7	17,700	45.1	151.7	18,100				160
	170	39.4	141.2	15,700							170
	180	34.9	127.8	14,000							180

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
240	55	79.9	285.8	30,000*							55
	60	78.9	284.9	30,000*	80.3	284.1	30,000*				60
	65	77.9	283.8	30,000*	79.2	283.1	30,000*	80.5	281.2	30,000*	65
	70	76.8	282.7	30,000*	78.2	281.9	30,000*	79.5	280.1	30,000*	70
	75	75.8	281.4	30,000*	77.1	280.7	30,000*	78.4	278.8	30,000*	75
	80	74.8	280.1	30,000*	76.1	279.3	30,000*	77.4	277.5	30,000*	80
	90	72.6	277.1	30,000*	74.0	276.3	30,000*	75.3	274.4	30,000*	90
	100	70.5	273.7	30,000*	71.8	272.9	30,000*	73.1	271.0	30,000*	100
	110	68.4	269.9	29,600	69.7	269.1	30,000*	70.9	267.2	30,000*	110
	120	66.2	265.6	25,300	67.5	264.9	26,200	68.7	262.9	27,100	120
	130	63.9	260.9	21,700	65.2	260.1	22,600	66.4	258.1	23,300	130
	140	61.6	255.7	18,700	62.9	254.9	19,400	64.1	252.8	20,100	140
	150	59.3	250.0	16,100	60.6	249.1	16,800	61.8	247.0	17,400	150
	160	56.9	243.7	13,800	58.2	242.8	14,400	59.4	240.6	15,000	160
	170	54.5	236.8	11,800	55.7	235.9	12,400	56.9	233.6	12,900	170
	180	51.9	229.2	10,100	53.2	228.3	10,600	54.3	226.0	11,000	180
	190	49.3	220.9	8,500	50.5	219.9	9,000				190
	200	46.6	211.8	7,000*	47.8	210.8	7,600*				200
	210	43.7	201.7	5,400*	44.9	200.7	5,900*				210
	220	40.7	190.6	4,000*							220

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
230	55	80.3	296.2	10,000*							55
	60	79.3	295.3	10,000*							60
	65	78.3	294.3	10,000*	80.3	293.5	10,000*				65
	70	77.3	293.2	10,000*	79.3	292.4	10,000*				70
	75	76.3	292.0	10,000*	78.2	291.2	10,000*	80.2	288.8	10,000*	75
	80	75.3	290.7	10,000*	77.2	289.9	10,000*	79.2	287.6	10,000*	80
	90	73.3	287.9	10,000*	75.2	287.1	10,000*	77.1	284.7	10,000*	90
	100	71.2	284.7	10,000*	73.1	283.9	10,000*	75.1	281.4	10,000*	100
	110	69.1	281.0	10,000*	71.1	280.2	10,000*	73.0	277.8	10,000*	110
	120	67.0	277.0	10,000*	69.0	276.2	10,000*	70.8	273.7	10,000*	120
	130	64.9	272.5	10,000*	66.8	271.7	10,000*	68.7	269.1	10,000*	130
	140	62.7	267.6	10,000*	64.6	266.7	10,000*	66.5	264.1	10,000*	140
	150	60.5	262.1	10,000*	62.4	261.2	10,000*	64.2	258.6	10,000*	150
	160	58.2	256.2	10,000*	60.1	255.3	10,000*	61.9	252.6	10,000*	160
	170	55.9	249.7	10,000*	57.8	248.7	10,000*	59.5	245.9	10,000*	170
	180	53.5	242.6	10,000*	55.4	241.6	10,000*	57.1	238.7	10,000*	180
	190	51.0	234.8	9,400	52.9	233.8	10,000*	54.6	230.8	10,000*	190
	200	48.4	226.3	8,000	50.3	225.2	8,700	52.0	222.2	9,200	200
	210	45.8	217.0	6,700*	47.6	215.9	7,300				210
	220	43.0	206.7	5,300*	44.8	205.6	6,000*				220
	230	40.0	195.4	4,000*	41.8	194.2	4,600*				230

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W
SERIES-2

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

0 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6934-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment 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.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is

the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, 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 are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1-1/8" — 6x31 IPS, IWRC is 28,300 lbs./line. Refer to jib assembly No. 43730.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		60 *	40,000	40,000	40,000	40,000	60 *
	65	40,000	40,000	40,000	40,000	40,000	65
	70	40,000	40,000	40,000	40,000	40,000	70
	75	40,000	40,000	40,000	40,000	40,000	75
	80	39,900	40,000	40,000	40,000	40,000	80
	85	37,400	40,000	40,000	40,000	40,000	85
	90	35,200	38,600	40,000	40,000	40,000	90
	95		36,500	40,000	40,000	40,000	95
	100		34,600	39,300	40,000	40,000	100
	105			37,400	40,000	40,000	105
	110				38,300	40,000	110
	115				36,100	40,000	115

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		80 *	30,000	30,000	30,000	30,000	80 *
	85	30,000	30,000	30,000	30,000	30,000	85
	90	28,500	30,000	30,000	30,000	30,000	90
	95	26,900	29,400	30,000	30,000	30,000	95
	100	25,500	27,800	30,000	30,000	30,000	100
	105		26,400	29,700	30,000	30,000	105
	110		25,100	28,300	30,000	30,000	110
	115			27,100	29,000	29,000	115
	120				27,800	27,800	120
	125				26,700	26,700	125

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		100 *	20,000	20,000	20,000	20,000	100 *
	105	20,000	20,000	20,000	20,000	20,000	105
	110	19,800	20,000	20,000	20,000	20,000	110
	115		20,000	20,000	20,000	20,000	115
	120		19,500	20,000	20,000	20,000	120
	125			20,000	20,000	20,000	125
	130				20,000	20,000	130
	135				20,000	20,000	135

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		120 *	10,000	10,000	10,000	10,000	120 *
	125		10,000 <th>10,000</th> <th>10,000</th> <th>10,000</th> <td>125</td>	10,000	10,000	10,000	125
	130			10,000	10,000	10,000	130
	135			10,000	10,000	10,000	135
	140				10,000	10,000	140
	145				10,000	10,000	145

* These capacities apply for ALL lesser radii obtainable.

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS**4100W**
SERIES-2**JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP
26'6" CRAWLERS — EXTENDED****10 DEGREE JIB OFFSET ANGLE**

Chart supplements boom capacity chart No. 6934-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment 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.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is

the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, 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 are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1-1/8" — 6x31 IPS, IWRC is 28,300 lbs./line. Refer to jib assembly No. 43730.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	50 *	40,000	40,000	40,000	40,000	50 *	
	55	40,000	40,000	40,000	40,000	55	
	60	40,000	40,000	40,000	40,000	60	
	65	40,000	40,000	40,000	40,000	65	
	70	39,300	40,000	40,000	40,000	70	
	75	37,100	40,000	40,000	40,000	75	
	80	35,200	37,900	40,000	40,000	80	
	85	33,500	36,100	39,800	40,000	85	
	90		34,500	38,000	40,000	90	
	95			36,500	38,500	95	
	100			35,100	37,000	100	
	105				35,700	105	

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	70 *	30,000	30,000	30,000	30,000	70 *	
	75	29,900	30,000	30,000	30,000	75	
	80	28,300	30,000	30,000	30,000	80	
	85	26,800	28,800	30,000	30,000	85	
	90	25,600	27,400	30,000	30,000	90	
	95		26,200	28,800	30,000	95	
	100		25,100	27,600	29,100	100	
	105			26,500	28,000	105	
	110				27,000	110	
	115				26,000	115	

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	90 *	20,000	20,000	20,000	20,000	90 *	
	95	20,000	20,000	20,000	20,000	95	
	100	19,800	20,000	20,000	20,000	100	
	105		20,000	20,000	20,000	105	
	110		19,500	20,000	20,000	110	
	115			20,000	20,000	115	
	120				20,000	120	
	125				20,000	125	

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	110 *	10,000	10,000	10,000	10,000	110 *	
	115		10,000	10,000	10,000	115	
	120		10,000	10,000	10,000	120	
	125			10,000	10,000	125	
	130				10,000	130	
	135				10,000	135	

* These capacities apply for ALL lesser radii obtainable.

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W
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 supplements boom capacity chart No. 6934-A. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment 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.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is

the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, 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 are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1-1/8" — 6x31 IPS, IWRC is 28,300 lbs./line. Refer to jib assembly No. 43730.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		40,000	40,000	40,000	40,000		
	35	40,000	40,000	40,000	40,000	35	
	40	40,000	40,000	40,000	40,000	40	
	45	40,000	40,000	40,000	40,000	45	
	50	40,000	40,000	40,000	40,000	50	
	55	39,400	40,000	40,000	40,000	55	
	60	37,200	39,400	40,000	40,000	60	
	65	35,300	37,500	40,000	40,000	65	
	70	33,600	35,700	38,300	39,800	70	
	75	32,200	34,200	36,800	38,200	75	
	80		32,800	35,400	36,800	80	
	85			34,100	35,500	85	
	90				34,300	90	

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		30,000	30,000	30,000	30,000		
	55 *	30,000	30,000	30,000	30,000	55 *	
	60	29,800	30,000	30,000	30,000	60	
	65	28,200	29,800	30,000	30,000	65	
	70	26,800	28,400	30,000	30,000	70	
	75	25,800	27,100	28,800	29,800	75	
	80	24,500	25,900	27,600	28,600	80	
	85	23,500	24,900	26,600	27,600	85	
	90		24,000	25,700	26,600	90	
	95			24,800	25,800	95	
	100				25,000	100	

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		20,000	20,000	20,000	20,000		
	75 *	20,000	20,000	20,000	20,000	75 *	
	80	20,000	20,000	20,000	20,000	80	
	85	19,700	20,000	20,000	20,000	85	
	90	18,900	20,000	20,000	20,000	90	
	95	18,200	19,300	20,000	20,000	95	
	100		18,600	20,000	20,000	100	
	105			19,500	20,000	105	
	110				19,600	110	

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		10,000	10,000	10,000	10,000		
	95 *	10,000	10,000	10,000	10,000	95 *	
	100		10,000	10,000	10,000	100	
	105		10,000	10,000	10,000	105	
	110		10,000	10,000	10,000	110	
	115			10,000	10,000	115	
	120				10,000	120	

* These capacities apply for ALL lesser radii obtainable.

View thousands of Crane Specifications on FreeCraneSpecs.com

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
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

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6934-B. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB 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 AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE JIB LOAD. BOOM AND JIB ARE 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.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 190693, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6592-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

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

MACHINE EQUIPPED WITH 26'6" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST CWT. = 41,900 LBS., 2ND CWT. = 41,500 LBS., 3RD CWT. = 39,000 LBS., TWO 12,000 LB. SIDE CWTs. AND TWO 30,000 LB. CARBODY CWTs.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 31 IPS, IWRC IS 28,300 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BM. LGTH.	JIB NO. 123	BM. LGTH.	JIB NO. 123
260'	---	260'	---
250'	---	250'	---
240'	40'	240'	40'
230'	60'	230'	60'
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.			

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	35	80.2	147.3	40,000*							35
	40	78.2	146.1	40,000*	80.2	145.4	40,000*				40
	45	76.1	144.7	40,000*	78.1	144.0	40,000*	80.0	142.5	40,000*	45
	50	74.0	143.1	40,000*	76.0	142.4	40,000*	77.9	140.9	40,000*	50
	55	71.9	141.3	40,000*	73.8	140.6	40,000*	75.7	139.1	40,000*	55
	60	69.7	139.3	40,000*	71.7	138.6	40,000*	73.5	137.0	40,000*	60
	65	67.6	137.0	40,000*	69.5	136.3	40,000*	71.3	134.8	40,000*	65
	70	65.3	134.6	40,000*	67.3	133.8	40,000*	69.0	132.2	38,800*	70
	75	63.1	131.9	40,000*	65.0	131.1	40,000*	66.7	129.5	37,500*	75
	80	60.7	128.9	40,000*	62.6	128.1	40,000*	64.3	126.4	36,200*	80
	90	55.9	122.0	40,000*	57.8	121.2	40,000*	59.4	119.5	34,100*	90
	100	50.7	113.8	40,000*	52.6	113.0	37,500*				100
120	110	45.1	103.9	36,400	46.9	103.0	35,100*				110
	120	38.8	91.7	32,100							120
	40	79.0	156.4	40,000*							40
	45	77.0	155.1	40,000*	78.9	154.4	40,000*				45
	50	75.1	153.6	40,000*	76.9	152.9	40,000*	78.7	151.4	40,000*	50
	55	73.1	151.9	40,000*	75.0	151.2	40,000*	76.7	149.7	40,000*	55
	60	71.1	150.1	40,000*	73.0	149.3	40,000*	74.7	147.8	40,000*	60
	65	69.1	148.0	40,000*	70.9	147.3	40,000*	72.6	145.7	40,000*	65
	70	67.1	145.7	40,000*	68.9	145.0	40,000*	70.5	143.4	39,800*	70
	75	65.0	143.2	40,000*	66.8	142.5	40,000*	68.4	140.8	38,400*	75
	80	62.9	140.5	40,000*	64.6	139.7	40,000*	66.3	138.1	37,200*	80
	90	58.5	134.3	40,000*	60.2	133.5	40,000*	61.8	131.7	35,000*	90
	100	53.8	126.9	40,000*	55.6	126.1	39,000*	57.0	124.2	33,200*	100
	110	48.9	118.2	35,800	50.6	117.3	36,100				110
	120	43.5	107.7	31,500							120
	130	37.4	94.9	27,900							130

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
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

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	45	80.3	206.4	40,000*							45
	50	78.8	205.3	40,000*	80.2	204.6	40,000*				50
	55	77.4	204.1	40,000*	78.8	203.3	40,000*	80.1	201.7	40,000*	55
	60	75.9	202.7	40,000*	77.3	202.0	40,000*	78.6	200.3	40,000*	60
	65	74.5	201.2	40,000*	75.8	200.4	40,000*	77.1	198.8	40,000*	65
	70	73.0	199.6	40,000*	74.4	198.8	40,000*	75.6	197.1	40,000*	70
	75	71.5	197.8	40,000*	72.9	197.0	40,000*	74.1	195.3	40,000*	75
	80	70.0	195.9	40,000*	71.3	195.1	40,000*	72.6	193.4	40,000*	80
	90	66.9	191.5	40,000*	68.3	190.7	40,000*	69.5	189.0	39,000*	90
	100	63.8	186.5	38,500	65.1	185.7	39,100	66.3	183.9	37,100*	100
	110	60.5	180.8	33,200	61.8	179.9	33,800	63.0	178.1	34,300	110
	120	57.2	174.3	29,000	58.5	173.4	29,400	59.6	171.5	29,900	120
	130	53.7	166.9	25,400	54.9	166.0	25,800				130
	140	50.0	158.5	22,400	51.2	157.5	22,700				140
	150	46.1	148.9	19,700	47.3	147.8	20,000				150
	160	41.9	137.8	17,500							160
	170	37.3	124.9	15,500							170
180	50	79.4	215.6	40,000*							50
	55	78.0	214.4	40,000*	79.3	213.6	40,000*	80.6	212.0	40,000*	55
	60	76.6	213.1	40,000*	77.9	212.3	40,000*	79.2	210.7	40,000*	60
	65	75.2	211.7	40,000*	76.5	210.9	40,000*	77.8	209.2	40,000*	65
	70	73.8	210.1	40,000*	75.1	209.3	40,000*	76.4	207.7	40,000*	70
	75	72.4	208.4	40,000*	73.7	207.6	40,000*	74.9	206.0	40,000*	75
	80	71.0	206.6	40,000*	72.3	205.8	40,000*	73.5	204.1	40,000*	80
	90	68.1	202.5	40,000*	69.3	201.7	40,000*	70.5	199.9	39,700*	90
	100	65.1	197.8	37,900	66.4	196.9	38,600	67.5	195.2	37,800*	100
	110	62.1	192.4	32,700	63.3	191.5	33,200	64.4	189.7	33,800	110
	120	58.9	186.3	28,400	60.2	185.4	28,900	61.3	183.5	29,300	120
	130	55.7	179.5	24,800	56.9	178.5	25,200	57.9	176.6	25,600	130
	140	52.3	171.7	21,800	53.5	170.7	22,100				140
	150	48.7	162.9	19,100	49.9	161.8	19,500				150
	160	44.9	152.9	16,900							160
	170	40.8	141.4	14,900							170
190	50	79.9	225.8	40,000*							50
	55	78.5	224.7	40,000*	79.8	223.9	40,000*				55
	60	77.2	223.5	40,000*	78.5	222.7	40,000*	79.7	221.0	40,000*	60
	65	75.9	222.1	40,000*	77.2	221.3	40,000*	78.3	219.6	40,000*	65
	70	74.6	220.6	40,000*	75.8	219.8	40,000*	77.0	218.1	40,000*	70
	75	73.2	219.0	40,000*	74.5	218.2	40,000*	75.6	216.5	40,000*	75
	80	71.9	217.3	40,000*	73.1	216.4	40,000*	74.3	214.7	40,000*	80
	90	69.1	213.4	40,000*	70.3	212.5	40,000*	71.5	210.8	40,000*	90
	100	66.3	208.9	37,400	67.5	208.1	38,100	68.6	206.3	38,500*	100
	110	63.4	203.9	32,100	64.6	203.0	32,700	65.7	201.2	33,300	110
	120	60.5	198.1	27,800	61.7	197.2	28,400	62.7	195.4	28,900	120
	130	57.4	191.7	24,300	58.6	190.8	24,700	59.6	188.8	25,200	130
	140	54.3	184.5	21,200	55.4	183.5	21,600				140
	150	51.0	176.3	18,600	52.1	175.3	19,000				150
	160	47.5	167.2	16,300	48.6	166.1	16,700				160
	170	43.8	156.8	14,400							170
	180	39.8	144.9	12,600							180

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
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

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
230	55	80.3	265.6	40,000*							55
	60	79.2	264.5	40,000*	80.3	263.7	40,000*				60
	65	78.1	263.4	40,000*	79.2	262.6	40,000*	80.2	260.9	40,000*	65
	70	77.0	262.2	40,000*	78.0	261.3	40,000*	79.0	259.6	40,000*	70
	75	75.8	260.8	40,000*	76.9	260.0	40,000*	77.9	258.3	40,000*	75
	80	74.7	259.4	40,000*	75.8	258.5	40,000*	76.8	256.8	40,000*	80
	90	72.4	256.1	40,000*	73.5	255.3	40,000*	74.5	253.5	40,000*	90
	100	70.1	252.5	35,300	71.1	251.6	36,200	72.1	249.8	37,000	100
	110	67.8	248.3	30,100	68.8	247.4	30,800	69.7	245.6	31,500	110
	120	65.4	243.7	25,800	66.4	242.8	26,400	67.3	240.9	27,000	120
	130	62.9	238.5	22,200	63.9	237.6	22,800	64.8	235.7	23,300	130
	140	60.4	232.8	19,100	61.4	231.8	19,700	62.3	229.9	20,100	140
	150	57.8	226.4	16,500	58.8	225.5	17,000	59.7	223.5	17,400	150
	160	55.2	219.4	14,200	56.2	218.4	14,700	57.0	216.4	15,000	160
	170	52.4	211.7	12,200	53.4	210.7	12,600				170
	180	49.6	203.2	10,500	50.5	202.1	10,800				180
	190	46.6	193.7	8,900	47.5	192.6	9,200				190
	200	43.4	183.2	7,300*							200
	210	40.1	171.4	5,800*							210
240	55	80.7	275.8	40,000*							55
	60	79.6	274.8	40,000*	80.6	273.9	40,000*				60
	65	78.5	273.7	40,000*	79.6	272.8	40,000*	80.5	271.1	40,000*	65
	70	77.5	272.5	40,000*	78.5	271.6	40,000*	79.5	269.9	40,000*	70
	75	76.4	271.2	40,000*	77.4	270.3	40,000*	78.4	268.6	40,000*	75
	80	75.3	269.8	40,000*	76.3	268.9	40,000*	77.3	267.2	40,000*	80
	90	73.1	266.7	40,000*	74.1	265.8	40,000*	75.1	264.1	40,000*	90
	100	70.9	263.2	34,800	71.9	262.3	35,700	72.8	260.5	36,500	100
	110	68.6	259.2	29,600	69.6	258.3	30,300	70.5	256.5	31,100	110
	120	66.3	254.8	25,300	67.3	253.9	25,900	68.2	252.0	26,600	120
	130	64.0	249.8	21,600	65.0	248.9	22,300	65.9	247.0	22,800	130
	140	61.6	244.4	18,600	62.6	243.4	19,200	63.4	241.5	19,600	140
	150	59.2	238.3	16,000	60.1	237.4	16,500	61.0	235.4	16,900	150
	160	56.6	231.7	13,700	57.6	230.7	14,100	58.4	228.7	14,500	160
	170	54.1	224.4	11,700	55.0	223.4	12,100				170
	180	51.4	216.4	9,900	52.3	215.4	10,300				180
	190	48.6	207.6	8,300*	49.5	206.5	8,700*				190
	200	45.6	197.8	6,600*	46.5	196.7	7,000*				200
	210	42.6	187.0	5,000*							210

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W SERIES 2

JIB NO. 123 WITH 12' 6" STRUT ON
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

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
150	45	80.2	196.2	30,000*							45
	50	78.6	195.0	30,000*	80.6	194.0	30,000*				50
	55	77.1	193.7	30,000*	79.1	192.7	30,000*				55
	60	75.6	192.3	30,000*	77.5	191.3	30,000*	79.4	189.2	30,000*	60
	65	74.0	190.7	30,000*	76.0	189.7	30,000*	77.8	187.6	30,000*	65
	70	72.5	189.0	30,000*	74.4	187.9	30,000*	76.2	185.8	30,000*	70
	75	70.9	187.1	30,000*	72.8	186.0	30,000*	74.6	183.9	30,000*	75
	80	69.3	185.0	30,000*	71.2	184.0	30,000*	73.0	181.8	30,000*	80
	90	66.0	180.4	30,000*	67.9	179.3	30,000*	69.7	177.1	28,800*	90
	100	62.7	175.1	30,000*	64.5	174.0	30,000*	66.2	171.7	27,300*	100
	110	59.2	169.0	30,000*	61.0	167.8	30,000*	62.7	165.4	26,000*	110
	120	55.6	162.0	30,000*	57.4	160.7	29,500*	59.0	158.3	24,900*	120
	130	51.8	153.9	26,700	53.6	152.7	27,200				130
	140	47.8	144.7	23,700	49.5	143.4	24,100				140
	150	43.4	134.1	21,100							150
	160	38.7	121.6	18,800							160
160	50	79.2	205.3	30,000*							50
	55	77.8	204.1	30,000*	79.6	203.0	30,000*				55
	60	76.3	202.7	30,000*	78.2	201.7	30,000*	79.9	199.6	30,000*	60
	65	74.8	201.2	30,000*	76.7	200.2	30,000*	78.5	198.0	30,000*	65
	70	73.4	199.6	30,000*	75.2	198.5	30,000*	76.9	196.4	30,000*	70
	75	71.9	197.8	30,000*	73.7	196.7	30,000*	75.4	194.6	30,000*	75
	80	70.3	195.8	30,000*	72.2	194.8	30,000*	73.9	192.6	30,000*	80
	90	67.3	191.5	30,000*	69.1	190.4	30,000*	70.8	188.2	29,300*	90
	100	64.1	186.5	30,000*	65.9	185.4	30,000*	67.6	183.1	27,800*	100
	110	60.9	180.8	30,000*	62.6	179.6	30,000*	64.3	177.2	26,500*	110
	120	57.5	174.3	29,700	59.3	173.1	30,000*	60.8	170.6	25,400*	120
	130	54.0	166.9	26,100	55.7	165.6	26,700	57.2	163.0	24,400*	130
	140	50.3	158.5	23,100	52.0	157.1	23,500				140
	150	46.4	148.8	20,500	48.1	147.4	20,900				150
	160	42.2	137.8	18,200							160
	170	37.6	124.8	16,200							170
170	50	79.7	215.5	30,000*							50
	55	78.3	214.4	30,000*	80.1	213.3	30,000*				55
	60	77.0	213.1	30,000*	78.7	212.0	30,000*	80.4	209.9	30,000*	60
	65	75.6	211.6	30,000*	77.3	210.6	30,000*	79.0	208.5	30,000*	65
	70	74.2	210.1	30,000*	75.9	209.0	30,000*	77.6	206.9	30,000*	70
	75	72.7	208.4	30,000*	74.5	207.3	30,000*	76.2	205.2	30,000*	75
	80	71.3	206.6	30,000*	73.1	205.5	30,000*	74.7	203.3	30,000*	80
	90	68.4	202.5	30,000*	70.1	201.4	30,000*	71.8	199.1	29,800*	90
	100	65.5	197.8	30,000*	67.2	196.6	30,000*	68.7	194.3	28,400*	100
	110	62.4	192.4	30,000*	64.1	191.2	30,000*	65.6	188.9	27,100*	110
	120	59.3	186.3	29,400	60.9	185.1	30,000*	62.4	182.6	25,900*	120
	130	56.0	179.4	25,800	57.6	178.2	26,300	59.1	175.6	24,900*	130
	140	52.6	171.6	22,700	54.2	170.3	23,200				140
	150	49.0	162.8	20,100	50.6	161.5	20,500				150
	160	45.2	152.8	17,800	46.8	151.4	18,200				160
	170	41.1	141.3	15,900							170
	180	36.7	127.9	14,100							180

LIFT

CRANE

JIB

CAPACITIES

MEETS

ANSI B30.5

REQUIREMENTS

4100W

SERIES

2

JIB NO. 123 WITH 12' 6" STRUT ON
 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

40

FOOT

JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
240	60	80.2	284.9	30,000*							60
	65	79.2	283.9	30,000*	80.5	282.8	30,000*				65
	70	78.2	282.7	30,000*	79.5	281.6	30,000*				70
	75	77.1	281.5	30,000*	78.5	280.3	30,000*	79.7	278.1	30,000*	75
	80	76.1	280.1	30,000*	77.4	279.0	30,000*	78.7	276.7	30,000*	80
	90	74.0	277.2	30,000*	75.3	276.0	30,000*	76.5	273.7	30,000*	90
	100	71.8	273.8	30,000*	73.1	272.6	30,000*	74.4	270.3	30,000*	100
	110	69.7	269.9	30,000*	71.0	268.8	30,000*	72.2	266.4	30,000*	110
	120	67.5	265.7	25,700	68.8	264.5	26,600	70.0	262.1	27,400	120
	130	65.2	261.0	22,100	66.5	259.8	22,900	67.7	257.3	23,600	130
	140	63.0	255.8	19,000	64.2	254.5	19,700	65.4	252.0	20,400	140
	150	60.6	250.0	16,400	61.9	248.8	17,000	63.0	246.2	17,600	150
	160	58.2	243.7	14,100	59.5	242.4	14,700	60.6	239.8	15,200	160
	170	55.8	236.8	12,100	57.0	235.5	12,600	58.1	232.8	13,100	170
	180	53.3	229.3	10,300	54.5	227.9	10,800				180
	190	50.6	221.0	8,700	51.8	219.5	9,200				190
	200	47.9	211.8	7,100*	49.1	210.3	7,600*				200
	210	45.0	201.8	5,500*							210
	220	42.0	190.6	4,100*							220

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS**4100W
SERIES-2**

**JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP OFFSET 4½ DEGREES
26'6" CRAWLERS-EXTENDED**

0 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6934-B. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment 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.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is

the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, 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 are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1½" — 6 x 31 IPS, IWRC is 28,300 lbs./line. Refer to jib assembly No. 43730.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		60 *	40,000	40,000	40,000	40,000	60 *
	65	40,000	40,000	40,000	40,000	40,000	65
	70	40,000	40,000	40,000	40,000	40,000	70
	75	40,000	40,000	40,000	40,000	40,000	75
	80	39,100	40,000	40,000	40,000	40,000	80
	85	38,800	40,000	40,000	40,000	40,000	85
	90	34,700	37,800	40,000	40,000	40,000	90
	95		35,800	40,000	40,000	40,000	95
	100		34,000	38,300	40,000	40,000	100
	105			36,600	39,100	40,000	105
	110				37,500	40,000	110
	115				36,000	40,000	115

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		75 *	30,000	30,000	30,000	30,000	75 *
	80	30,000	30,000	30,000	30,000	30,000	80
	85	29,800	30,000	30,000	30,000	30,000	85
	90	28,100	30,000	30,000	30,000	30,000	90
	95	26,500	28,700	30,000	30,000	30,000	95
	100	25,200	27,300	30,000	30,000	30,000	100
	105		25,900	29,000	30,000	30,000	105
	110			27,700	29,500	30,000	110
	115			26,600	28,300	30,000	115
	120				27,200	30,000	120

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		95 *	20,000	20,000	20,000	20,000	95 *
	100	20,000	20,000	20,000	20,000	20,000	100
	105	20,000	20,000	20,000	20,000	20,000	105
	110	19,600	20,000	20,000	20,000	20,000	110
	115		20,000	20,000	20,000	20,000	115
	120			20,000	20,000	20,000	120
	125			20,000	20,000	20,000	125
	130				20,000	20,000	130

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		115 *	10,000	10,000	10,000	10,000	115 *
	120		10,000	10,000	10,000	10,000	120
	125		10,000	10,000	10,000	10,000	125
	130			10,000	10,000	10,000	130
	135			10,000	10,000	10,000	135
	140				10,000	10,000	140

* These capacities apply for ALL lesser radii obtainable.

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS**4100W
SERIES-2**

**JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP OFFSET 4½ DEGREES
26'6" CRAWLERS-EXTENDED**

10 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6934-B. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment 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.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is

the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, 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 are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1½" — 6 x 31 IPS, IWRC is 28,300 lbs./line. Refer to jib assembly No. 43730.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		40,000	40,000	40,000	40,000		
	45 *	40,000	40,000	40,000	40,000	45 *	
	50	40,000	40,000	40,000	40,000	50	
	55	40,000	40,000	40,000	40,000	55	
	60	40,000	40,000	40,000	40,000	60	
	65	40,000	40,000	40,000	40,000	65	
	70	38,500	40,000	40,000	40,000	70	
	75	36,500	39,000	40,000	40,000	75	
	80	34,700	37,100	40,000	40,000	80	
	85		35,400	38,800	40,000	85	
	90		33,900	37,200	39,000	90	
	95			35,700	37,500	95	
	100				36,200	100	

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		30,000	30,000	30,000	30,000		
	65 *	30,000	30,000	30,000	30,000	65 *	
	70	30,000	30,000	30,000	30,000	70	
	75	29,200	30,000	30,000	30,000	75	
	80	27,700	29,500	30,000	30,000	80	
	85	26,400	28,100	30,000	30,000	85	
	90	25,200	26,900	29,300	30,000	90	
	95		25,700	28,100	29,500	95	
	100		24,700	27,100	28,400	100	
	105			26,100	27,300	105	
	110				26,400	110	

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		20,000	20,000	20,000	20,000		
	85 *	20,000	20,000	20,000	20,000	85 *	
	90	20,000	20,000	20,000	20,000	90	
	95	20,000	20,000	20,000	20,000	95	
	100	19,600	20,000	20,000	20,000	100	
	105		20,000	20,000	20,000	105	
	110		19,200	20,000	20,000	110	
	115			20,000	20,000	115	
	120				20,000	120	

60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
		10,000	10,000	10,000	10,000		
	105 *	10,000	10,000	10,000	10,000	105 *	
	110	10,000	10,000	10,000	10,000	110	
	115		10,000	10,000	10,000	115	
	120			10,000	10,000	120	
	125			10,000	10,000	125	
	130				10,000	130	

* These capacities apply for ALL lesser radii obtainable.

JIB LIFTING CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS**4100W
SERIES-2**

**JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22C WITH OPEN THROAT TOP OFFSET 4½ DEGREES
26'6" CRAWLERS-EXTENDED**

20 DEGREE JIB OFFSET ANGLE

Chart supplements boom capacity chart No. 6934-B. Capacities are for freely suspended loads based on tipping, strength of structural components or other factors. Crane operator judgment 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.

Capacities do not exceed **75%** of a static tipping load with machine on firm level surface. Capacities based on structural competence are denoted by shaded areas. Operating radius is

the horizontal distance from the axis of rotation to the center of vertical hoist line or load block. Weight of all load blocks, hooks, 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 are not to be lowered beyond radii where combined weights are greater than rated capacity. Maximum capacity on 1½" — 6 x 31 IPS, IWRC is 28,300 lbs./line. Refer to jib assembly No. 43730.

30 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	40	40,000	40,000	40,000		40	
	45	40,000	40,000	40,000	40,000	45	
	50	40,000	40,000	40,000	40,000	50	
	55	38,600	40,000	40,000	40,000	55	
	60	36,500	38,400	40,000	40,000	60	
	65	34,800	36,600	38,900	40,000	65	
	70	33,200	36,000	37,300	38,500	70	
	75	31,800	33,600	35,800	37,000	75	
	80		32,300	34,500	36,700	80	
	85			33,400	34,600	85	
	90				33,500	90	

40 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	55 *	30,000	30,000	30,000	30,000	55 *	
	60	29,200	30,000	30,000	30,000	60	
	65	27,700	29,000	30,000	30,000	65	
	70	26,300	27,600	29,300	30,000	70	
	75	25,200	26,400	28,100	29,000	75	
	80	24,100	25,400	27,000	27,900	80	
	85		24,400	26,100	26,900	85	
	90			25,200	26,000	90	
	95				25,200	95	
	100				24,500	100	

50 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	70 *	20,000	20,000	20,000	20,000	70 *	
	75	20,000	20,000	20,000	20,000	75	
	80	20,000	20,000	20,000	20,000	80	
	85	19,500	20,000	20,000	20,000	85	
	90	18,800	19,700	20,000	20,000	90	
	95		19,000	20,000	20,000	95	
	100			19,600	20,000	100	
	105				19,700	105	

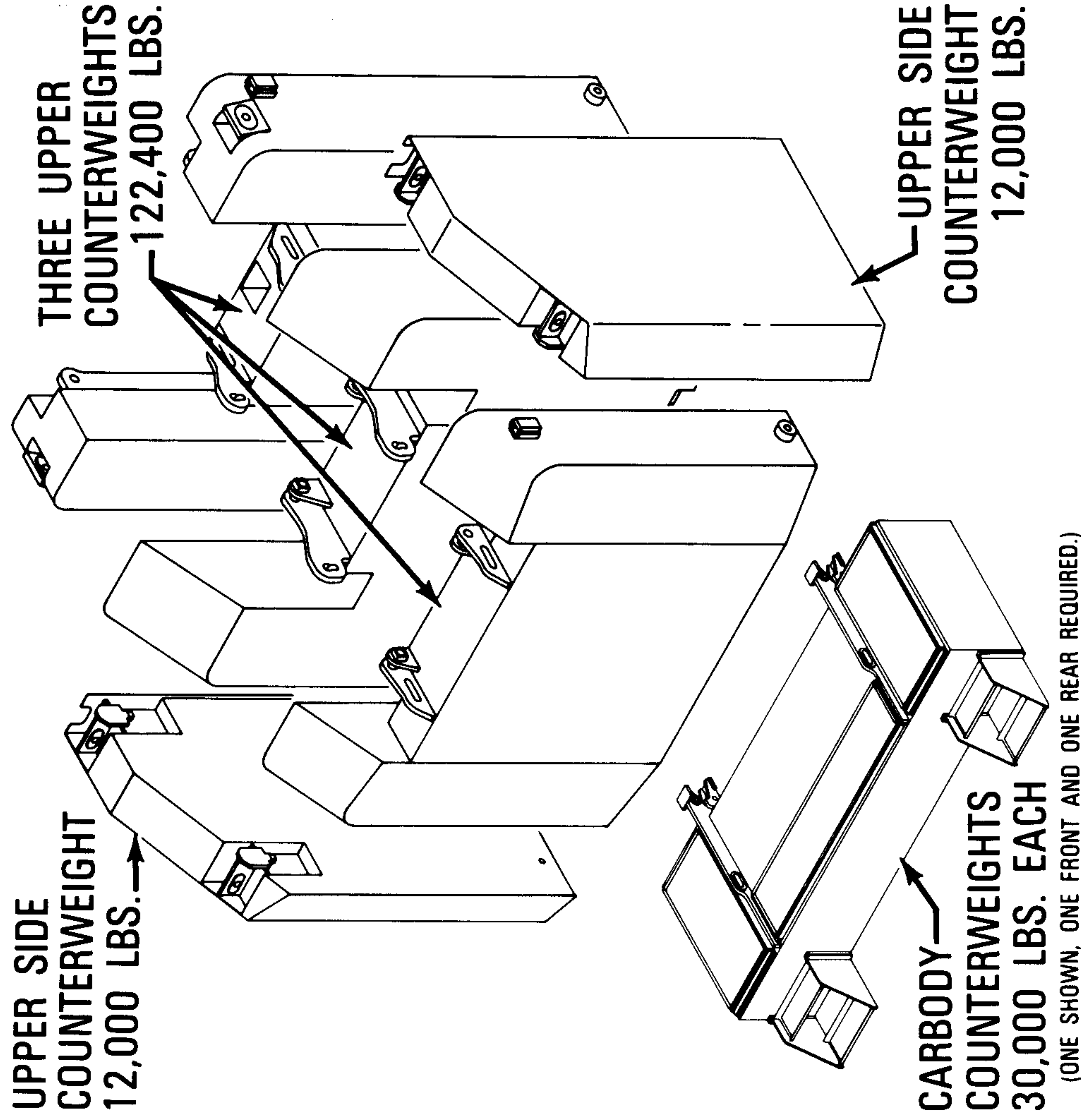
60 FOOT JIB	JIB POINT RADIUS: FEET	CAPACITIES IN POUNDS				JIB POINT RADIUS: FEET	
		BOOM LENGTH — FEET					
		70	80	90	100		
	90 *	10,000	10,000	10,000	10,000	90 *	
	95	10,000	10,000	10,000	10,000	95	
	100	10,000	10,000	10,000	10,000	100	
	105		10,000	10,000	10,000	105	
	110			10,000	10,600	110	
	115				10,600	115	

* These capacities apply for ALL lesser radii obtainable.

CAUTION

BOTH CARBODY COUNTERWEIGHTS MUST ALWAYS BE ATTACHED TO CARBODY BEFORE ATTACHING THE UPPER SIDE COUNTERWEIGHTS TO THE UPPER COUNTERWEIGHTS. LIKEWISE, THE UPPER SIDE COUNTERWEIGHTS MUST BE REMOVED FROM THE UPPER COUNTERWEIGHTS BEFORE REMOVING THE CARBODY COUNTERWEIGHTS. NEVER OPERATE THE MACHINE WITH UPPER SIDE COUNTERWEIGHTS IN PLACE UNLESS BOTH CARBODY COUNTERWEIGHTS ARE ALSO IN PLACE.

4100W SERIES 2



CAUTION

BOTH CARBODY COUNTERWEIGHTS MUST ALWAYS BE ATTACHED TO CARBODY BEFORE ATTACHING THE UPPER SIDE COUNTERWEIGHTS TO THE UPPER COUNTERWEIGHTS. LIKEWISE, THE UPPER SIDE COUNTERWEIGHTS MUST BE REMOVED FROM THE UPPER COUNTERWEIGHTS BEFORE REMOVING THE CARBODY COUNTERWEIGHTS. NEVER OPERATE THE MACHINE WITH UPPER SIDE COUNTERWEIGHTS IN PLACE UNLESS BOTH CARBODY COUNTERWEIGHTS ARE ALSO IN PLACE.

