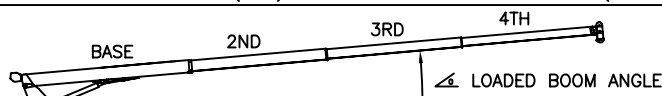


BOOM LOAD CAPACITIES (LBS) WITH FULL SPAN OUTRIGGERS (24 FT)

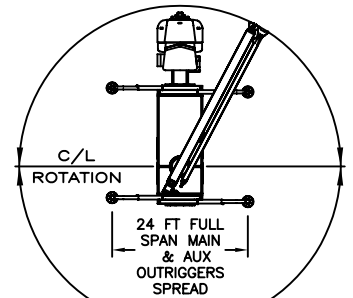


LOAD RADIUS (FT)	31 FT BOOM		52 FT BOOM		68 FT BOOM		84 FT BOOM		103 FT BOOM	
	◄	LBS	◄	LBS	◄	LBS	◄	LBS	◄	LBS
6	78	76000								
8	72	62000								
10	68	54000	77	35000						
12	63	48000	75	33000	79	33000				
15	57	40200	71	31500	77	32000	80	24500		
20	44	28400	65	29000	72	27300	76	21000	79	14500
25	27	21300	59	22000	68	22200	73	18500	77	14000
30			52	17300	63	17600	69	16000	74	13000
35			45	13700	58	14000	65	14000	71	11500
40			36	11000	53	11200	61	11200	68	10300
45			24	8700	47	8900	57	9000	65	9200
50					41	7600	53	7400	62	7500
55					33	6300	48	6200	58	6300
60					24	5200	43	5100	55	5200
65							38	4200	51	4500
70							31	3500	47	3800
75							24	2900	43	3200
80							11	2300	38	2600
85									33	2100
90									27	1600
95									20	1300
	0	16000	0	6500	0	4200	0	1600	0	800
	630		380		290		240		200	
	810		490		370		300		250	

NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

AREA OF OPERATION

360° CAPACITY WORKING AREA WITH FULL SPAN AND FRONT BUMPER OUTRIGGERS



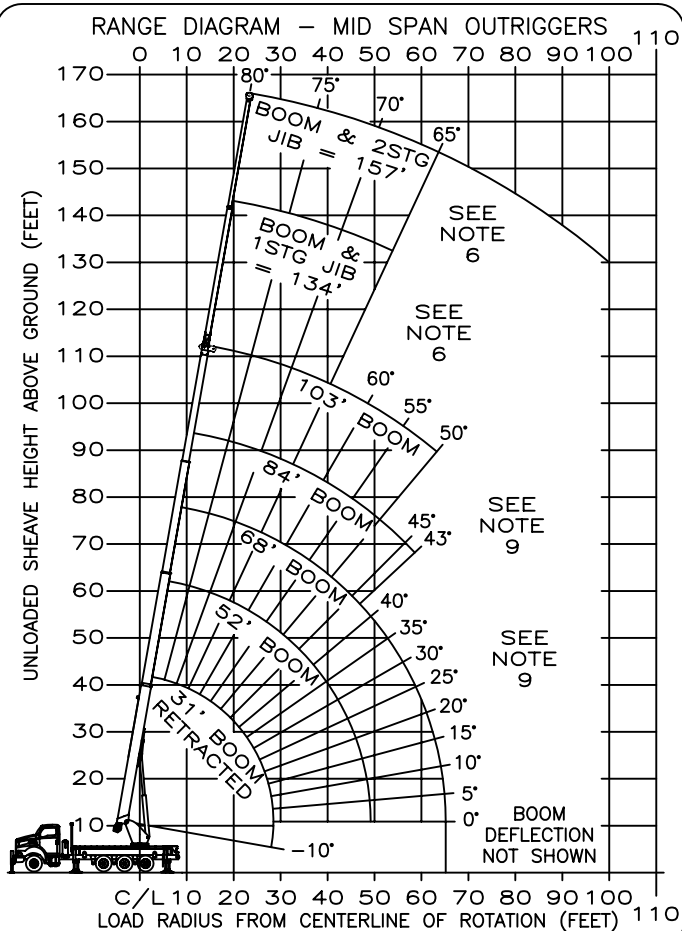
DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES
OVERHAUL BALL: 230 LBS
1-SHEAVE LOADBLOCK: 360 LBS
2-SHEAVE LOADBLOCK: 500 LBS
3-SHEAVE LOADBLOCK: 600 LBS

0° BOOM CAPACITIES
STOWED 1-STAGE JIB LOAD DEDUCTIONS
STOWED 2-STAGE JIB LOAD DEDUCTIONS

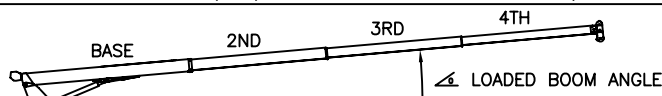
JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS. JIB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS (24 FT)

LOADED BOOM ANGLE	45°*	50°	55°	60°	65°	70°	75°	80°	
	FIXED 31 FT JIB	1500	2100	2900	3900	4900	5800	7100	7300
TELESCOPING JIB	RETRACTED 31 FT JIB	950	1500	2300	3300	4500	5500	6800	7100
	EXTENDED 55 FT JIB	700	1150	1800	2050	2500	3200	3800	4000

*DO NOT OPERATE JIBS BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6. 970029021 A (SHEET 1)



BOOM LOAD CAPACITIES (LBS) WITH MID SPAN OUTRIGGERS (15 FT 8 IN)

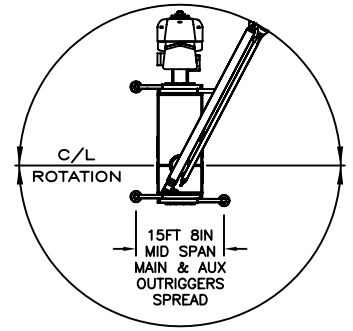


LOAD RADIUS (FT)	31 FT BOOM		52 FT BOOM		68 FT BOOM		84 FT BOOM		103 FT BOOM	
	◄	LBS	◄	LBS	◄	LBS	◄	LBS	◄	LBS
5	78	70000								
8	72	55000								
10	68	48000	77	34000						
12	63	40000	75	31500	79	32000				
15	57	33500	71	27500	77	28000	80	24000		
20	44	21800	65	21500	72	21000	76	18000	79	14000
25	27	13700	59	13500	67	14000	73	11500	77	12750
30			52	9000	63	9600	69	7500	74	10000
35			45	6300	58	6700	65	5400	71	7300
40			36	4500	52	4900	61	4000	67	5400
45			24	3000	47	3600	57	3000	64	4050
50					40	2800	52	2100	61	3000
55					33	1800	48	1400	57	2100
60					24	1000	43	900	54	1400
65									50	900
	0	9000	0	2100	0	500				
	630		380		290		240		200	
	810		490		370		300		250	

NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

AREA OF OPERATION

360° CAPACITY WORKING AREA WITH MID SPAN AND FRONT BUMPER OUTRIGGERS



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES
OVERHAUL BALL: 230 LBS
1-SHEAVE LOADBLOCK: 360 LBS
2-SHEAVE LOADBLOCK: 500 LBS
3-SHEAVE LOADBLOCK: 600 LBS

0° BOOM CAPACITIES
STOWED 1-STAGE JIB LOAD DEDUCTIONS
STOWED 2-STAGE JIB LOAD DEDUCTIONS

JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS. JIB CAPACITIES ARE FOR MID SPAN OUTRIGGERS (15 FT 8 IN)

LOADED BOOM ANGLE	65°*	70°	75°	80°	
	FIXED 31 FT JIB	1450	2700	5700	7250
TELESCOPE JIB	RETRACTED 31 FT JIB	1000	2200	5200	7000
	EXTENDED 55 FT JIB	650	1750	3300	3800

*DO NOT OPERATE JIBS BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6. 970029021 A (SHEET 2)

1 PART LOAD LINE	2 PART LOAD LINE	3 PART LOAD LINE	4 PART LOAD LINE	5 PART LOAD LINE	6 PART LOAD LINE
LOADS UP TO 12,971 LBS. IWRC XXIP	LOADS UP TO 25,942 LBS. IWRC XXIP	LOADS UP TO 38,913 LBS. IWRC XXIP	LOADS UP TO 51,884 LBS. IWRC XXIP	LOADS UP TO 64,855 LBS. IWRC XXIP	LOADS UP TO 76,000 LBS. IWRC XXIP
9,080 LBS. ROT. RESISTANT WIRE ROPE	18,160 LBS. ROT. RESISTANT WIRE ROPE	27,240 LBS. ROT. RESISTANT WIRE ROPE	36,320 LBS. ROT. RESISTANT WIRE ROPE	45,400 LBS. ROT. RESISTANT WIRE ROPE	54,480 LBS. ROT. RESISTANT WIRE ROPE
103 FT + 55 FT JIB	103 FT BOOM	87 FT BOOM	68 FT BOOM	55 FT BOOM	46 FT BOOM

MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND

SEE OWNERS MANUAL FOR OTHER REEVING OPTIONS
With certain boom and hoist tackle combinations, maximum capacities may not be obtainable with standard cable lengths.

CAUTION

OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

USE ONLY 5/8" DIAMETER IWRC OR ROTATION RESISTANT WIRE ROPE WITH 45,400 LBS. MIN. BREAKING STRENGTH ON THIS MACHINE.

DANGER

- The operator must read, understand and follow the instructions found in the owners manual before operating this crane.
- Positioning or operation of crane beyond areas shown on this chart is not intended nor approved except where specified in owners manual.
- Loaded boom angles at specified boom lengths give only an approximation of the operating radius. The boom angle before loading should be greater to account for deflections. Do not exceed the operating radius for rated loads.
- When between listed boom lengths or radii, always use the smallest of the values shown. Capacities for the 31-ft boom length must only be lifted with boom fully retracted.
- Do not attempt to tip the machine to determine allowable loads.
- When jib is erected boom must be fully retracted before lowering below minimum boom with jib angles. Retracted boom with jib has no lifting capacity below a 45° angle with full span outriggers and below a 65° angle with mid span outriggers.
- Use rating of next lower boom angle for boom angles not shown on jib load rating chart.
- Do not lift off the main boom tip while the jib is erected. Do not travel with crane boom extended or jib erected.
- Do not lower boom into this area. Instability may occur. Hydraulic pressure may not allow raising the boom without retracting boom first.
- Crane load ratings on outriggers are based on freely suspended loads with the machine leveled and standing on firm uniform supporting surface. Do not move a load horizontally on the ground in any direction.
- Actual working capacities depend on supporting surface, wind and other factors affecting stability such as hazardous surroundings, experience of personnel, and proper handling. All these factors must be taken into account by the operator.
- The maximum in service wind speed is 20 mph. It is recommended when wind velocity is between 20 mph and 30 mph rated loads and boom lengths shall be appropriately reduced and/or other measures shall be taken to ensure stability and load control. When wind speed exceeds 30 mph main boom should be retracted and stowed.
- For duty cycle operations (e.g., clam shell, concrete bucket work) weight of load must not exceed 80% of rated lifting capacities.
- Multi-crane lift operations must be carefully planned well in advance and should only be performed by skilled personnel experienced in such procedures.
- When operating the crane in the "Mid Span" mode, the outrigger beam pins must be properly engaged.
- The maximum load which may be telescoped is limited by hydraulic pressure, boom angle and boom lubrication. It is allowable to attempt to telescope any load within the limits of the load rating chart.
- Never handle personnel with this machine unless the requirements of applicable national, state, and local regulations and safety codes are met.
- Do not lift loads when boom is fully lowered. The LMAP senses pressure and will not provide warnings or lockout when the boom cylinder is fully retracted.

INFORMATION

- Deductions must be made from rated loads for stowed jib, optional attachments, hooks and loadblocks (see deduction chart). Weights of slings and other load handling equipment shall be considered a part of the load.
- Crane load ratings with outriggers are based on outriggers extended and set with all tires clear of the ground.
- Load ratings do not exceed 85% of tipping load.
- The maximum outrigger pad load is 62,800 lbs at rated capacities.

DEFINITIONS

- Operating radius is the horizontal distance from the centerline of rotation to the center of the vertical load line or load hook with load suspended.
- Loaded boom angle as shown in the capacity chart is the included angle between the horizontal and longitudinal axes of the boom base after lifting rated load at rated radius.