

National Series 1295

Load Rating Charts

The 1295 is equipped with a 29- to 95-foot, fully hydraulic, four-section proportional boom offering over a 100-foot vertical reach. The 52-foot manual pull-out jib extends the vertical reach to 150 feet. Note the load rating data on the charts below.

29 TO 52 FOOT JIB STORED

29 TO 95 FOOT BOOM RATED LOADS

BLOCK
+
SLING
+
LOAD
RATED LOAD

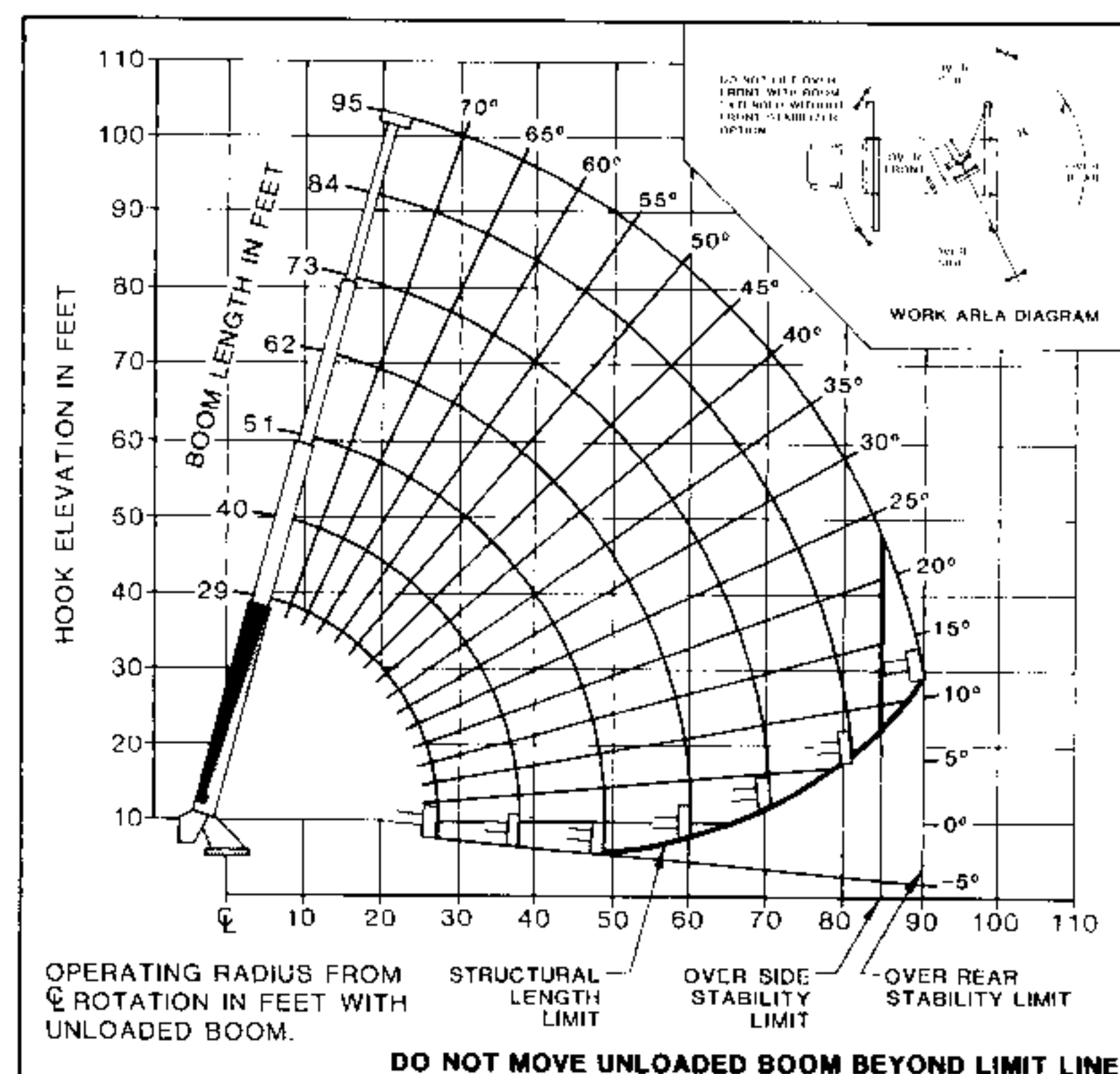
LOAD RADIUS	LOADED BOOM ANGLE	OVER SIDE	OVER REAR	LOADED BOOM ANGLE	OVER SIDE	OVER REAR	LOADED BOOM ANGLE	OVER SIDE	OVER REAR	LOADED BOOM ANGLE	OVER SIDE	OVER REAR			
	29 BOOM LENGTH				40 BOOM LENGTH				51 BOOM LENGTH				62 BOOM LENGTH		
10'	67°	35,000	35,000	73°	33,300	33,300									
15'	55°	24,300	24,300	65°	23,400	23,400	71°	22,600	22,600						
20'	41°	17,800	17,800	57°	17,500	17,500	65°	17,100	17,100	70°	16,400	16,400			
25'	21°	11,800	11,800	48°	13,800	13,900	59°	13,500	13,500	65°	13,100	13,100			
30'				37°	10,800	10,650	52°	11,000	10,900	60°	10,700	10,700			
35'				22°	7,400	7,400	44°	8,800	8,450	54°	8,800	8,650			
40'							35°	6,750	6,700	48°	6,950	6,850			
45'							23°	4,900	4,900	41°	5,400	5,500			
50'										34°	4,250	4,450			
55'										24°	3,300	3,400			

	73 BOOM LENGTH				84 BOOM LENGTH				95 BOOM LENGTH						
20'	74°	15,700	15,700												
25'	70°	12,700	12,700	73°	12,200	12,200									
30'	65°	10,400	10,400	69°	9,900	9,900	72°	9,700	9,700						
35'	61°	8,600	8,600	65°	8,200	8,200	69°	8,200	8,200						
40'	56°	7,100	7,000	62°	6,900	6,900	66°	6,800	6,800						
45'	51°	5,550	5,650	58°	5,650	5,700	62°	5,700	5,800						
50'	46°	4,350	4,550	53°	4,450	4,650	59°	4,550	4,750						
55'	40°	3,450	3,750	48°	3,550	3,800	55°	3,600	3,900						
60'	33°	2,700	3,050	44°	2,800	3,100	51°	2,850	3,200						
65'	24°	2,100	2,300	39°	2,200	2,550	47°	2,250	2,600						
70'				33°	1,700	2,050	42°	1,750	2,100						
75'				26°	1,250	1,600	37°	1,300	1,700						
80'							32°	950	1,300						
85'							25°	1,000							
90'															

NOTE: 1. ALL CAPACITIES IN POUNDS, ANGLES IN DEGREES, RADIUS IN FEET.

2. LOADED BOOM ANGLES ARE GIVEN AS REFERENCE ONLY

3. SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES



SET-UP:

1. Fully extend and set outriggers and level crane.
2. 29 to 52 ft. jib stored on side of main boom.

OPERATION:

1. The 29 ft. boom length capacities are based on boom fully retracted. If not fully retracted, do not exceed 40 ft. boom length capacities.
2. Do not extend unloaded boom with block beyond no load stability limit line on range chart as loss of stability may occur. A 400 lb. main block has been considered.

WINCH DATA

	1 PART	2 PART	3 PART	4 PART	5 PART
MAX. WINCH CAPACITY	7,000 lb.	14,000 lb.	21,000 lb.	28,000 lb.	35,000 lb.
MAX. BOOM LENGTH AT 75' WITH LOAD BLOCK AT GROUND LEVEL	147 ft.	95 ft.	73 ft.	57 ft.	46 ft.

29 FOOT JIB RATED LOADS			
LOAD RADIUS (FEET)	LOADED BOOM ANGLE (DEGREES)	OVER SIDE (lb)	OVER REAR (lb)
38	74	5200	5200
44	70	4200	4200
54	65	3250	3550
64	60	1950	2300
72	55	1200	1550
80	50		1000

SHADED AREAS ARE STRUCTURALLY LIMITED CAPACITIES

Capacities shown are with 400-pound block rigged on main boom. If 200-pound block is rigged on main boom, add 150 pounds to capacities shown. If no block is rigged on main boom, add 300 pounds to capacities shown.

SET UP

1. Fully extend outriggers and level crane.
2. Rig jib as shown in the operator's manual.

OPERATION

1. Operate with jib by radius, when main boom is fully extended. If necessary increase boom angle to maintain loaded radius.
2. Operate with jib by boom angle when main boom is not fully extended. Do not exceed rated jib capacities at any reduced boom lengths.
3. Do not extend unloaded boom beyond stability limit radii shown on range diagram, as loss of stability may occur rapidly and without warning. A 400 lb. main block and 150 lb. downhaul weight have been considered.
4. All jib loads must be lifted with single part reeving.

