

National Crane Series 900A

Product Guide

ASME B30.5
Imperial 85%



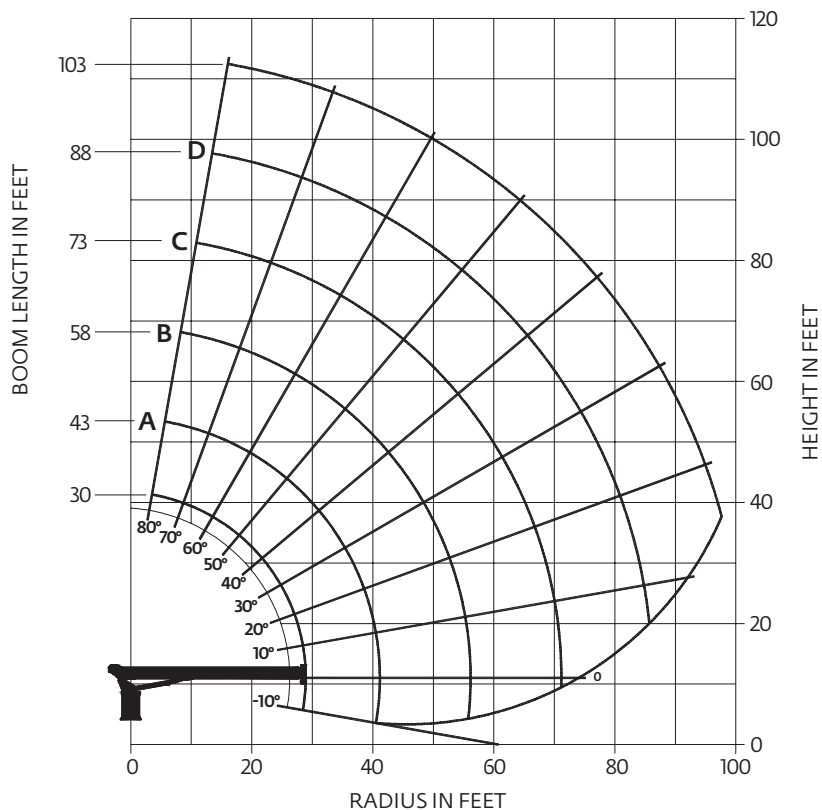
Features

- 23,6 t (26 USt) rating
- 31,4 m (103 ft) four-section boom
- Self-lubricating Easy Glide wear pads
- Internal anti-two block



Capacities

Series 9103A: 31,4 m (103 ft) boom (with LMI)



CAUTION:

- Do not operate crane booms, jib extensions, any accessories or loads within 3 m (10 ft) of live power lines or other conductors of electricity.
- Jib and boom capacities shown are maximum for each section.
- Do not exceed capacities at reduced radii
- Load ratings shown on the load rating charts are maximum allowable loads with the outriggers properly extended on a firm, level surface and the crane leveled and mounted on a factory recommended truck.
- Always level the crane with the level indicator located on the crane.
- The operator must reduce load to allow for factors such as wind, ground conditions, operating speeds and their effects on freely suspended loads.
- Overloading this crane may cause structural collapse or instability.
- Weights on any accessories attached to the boom or loadline must be deducted from the load chart capacities.
- Do not deadhead lineblock against boom tip when extending boom or winching up.
- Keep at least three wraps of loadline on drum at all times.
- Use only specified cable with this machine.

Load chart

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	30 ft BOOM (lb)	LOADED BOOM ANGLE	A 43 ft BOOM (lb)	LOADED BOOM ANGLE	B 58 ft BOOM (lb)	LOADED BOOM ANGLE	C 73 ft BOOM (lb)	LOADED BOOM ANGLE	D 88 ft BOOM (lb)	LOADED BOOM ANGLE	103 ft BOOM (lb)
5	78.5	52,000										
8	72.5	35,700										
10	68.5	29,900	75.5	27,000	80	25,400						
12	64.5	25,600	72.5	23,100	78	21,700						
14	60	22,100	69.5	20,200	76	19,800	79.5	18,100				
16	55.5	19,800	67	17,900	74	16,800	78	15,700	80	14,600		
20	45	15,200	60.5	14,600	69	14,200	74	13,000	77.5	12,000	80	10,800
25			52	11,400	63.5	11,000	70	10,500	74	9700	77	9350
30			42.5	9100	57.5	8950	65.5	8700	70.5	8050	74.5	7400
35			32.5	7100	52.5	7350	62	7150	67.5	6700	71.5	6300
40					45.5	6100	57	5950	64	5750	68.5	5400
45					38	4950	52	5050	60	4900	65.5	4750
50					28	3900	46.5	4300	56	4250	62	4150
55							40.5	3500	52	3600	59	3600
60							34	2900	47.5	3050	55.5	3150
65									42.5	2500	52	2700
70									37.5	2050	48	2300
75									31	1650	44	1900
80											39.5	1500
85											34.5	1150
	0	5350	0	2800	0	1250						

Note:

1. Capacities do not exceed 85% stability.
2. Shaded areas are structurally limited capacities.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

Dimensions

Series	Retracted length	Extended length	G	Dry weight*	w/oil weight*
*990A	8,3 m (27 ft 6 in)	27,6 m (90 ft 6 in)	238 cm (94 in)	9536 kg (21,025 lb)	9802 kg (21,610 lb)
**9103A	9,4 m (30 ft 9 in)	31,3 m (102 ft 10 in)	269 cm (106 in)	10 047 kg (22,150 lb)	10 312 kg (22,735 lb)

* Includes standard 20 ft subbase
 ** Includes standard 22 ft subbase

