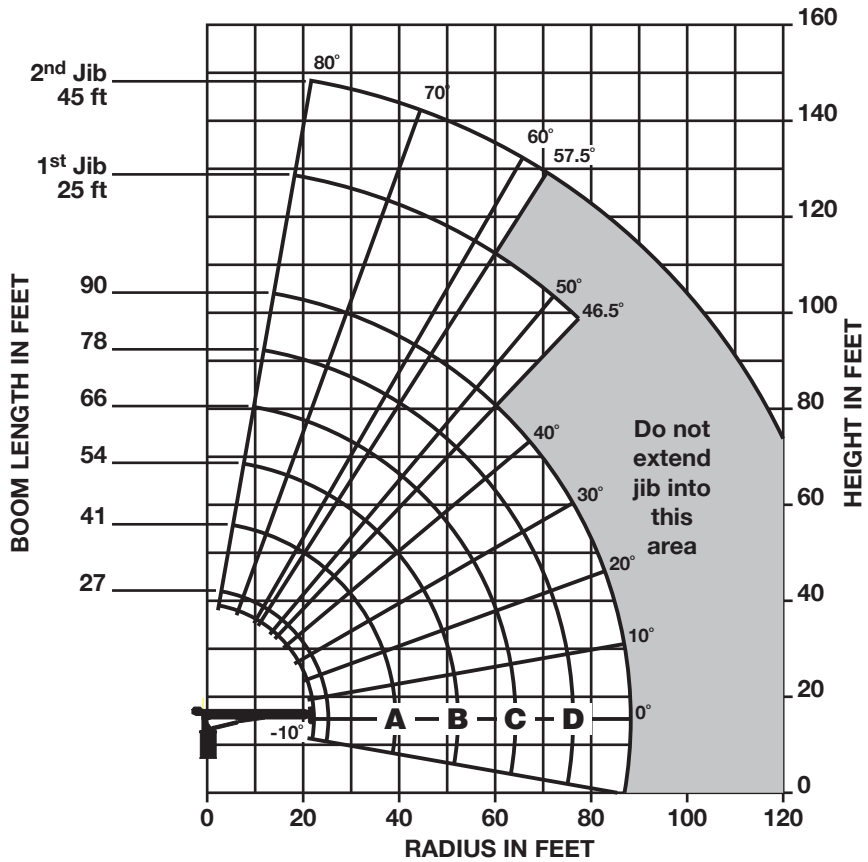


NATIONAL CRANE CORPORATION

878207



SERIES 690E
WITH
45 FT JIB

- NOTE:
- 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.

LOADLINE EQUIPMENT
DEDUCT (lb)

Downhaul weight	150
One sheave block	200
Two sheave block	355

LOAD RATINGS

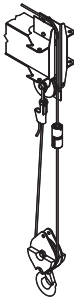
LOADED RADIUS (FT)	LOADED BOOM ANGLE (DEG)	27 FT BOOM (LB)	LOADED BOOM ANGLE (DEG)	A 41 FT BOOM (LB)	LOADED BOOM ANGLE (DEG)	B 54 FT BOOM (LB)	LOADED BOOM ANGLE (DEG)	C 66 FT BOOM (LB)	LOADED BOOM ANGLE (DEG)	D 78 FT BOOM (LB)	LOADED BOOM ANGLE (DEG)	90 FT BOOM (LB)	LOADED BOOM ANGLE (DEG)	25 FT JIB (LB)	LOADED BOOM ANGLE (DEG)	45 FT JIB (LB)
5	77	40,000														
8	70	25,200														
10	66	20,800	74	20,550												
12	61.5	17,850	71	17,350	76	16,700										
14	57	15,800	68	14,850	74	14,700	77.5	14,250								
16	51	14,150	65.5	12,900	71.5	12,900	75.5	12,350								
20	40	10,650	58.5	10,400	67.5	10,200	72	9,700	76	9,500	77.5	7,700				
25	19	6,900	50	8,650	61.5	7,850	67	7,650	71.5	7,550	74.5	7,400	78	2,800		
30			40	7,150	55	6,450	62.5	6,200	68	6,050	71.5	6,000	75.5	2,500	78	1,700
35			26.5	4,850	48	5,400	58	5,200	63.5	5,000	68	4,850	73	2,200	76	1,500
40					40	4,300	52	4,300	59.5	4,200	64.5	4,000	70	1,900	74	1,300
45					32	3,550	46.5	3,600	54.5	3,500	61	3,350	67.5	1,600	71.5	1,100
50					16.5	2,150	39.5	2,900	50	2,950	57	2,800	64.5	1,400	69.5	1,000
55							31	2,300	44.5	2,450	53.0	2,350	62	1,200	67	900
60							21.5	1,550	39.5	2,050	48.5	1,950	59	1,000	65	800
65									32.5	1,550	44	1,650	56	800	62.5	700
70									24	1,050	39	1,300	53	700	60	600
75											33	950	50	600	57.5	500
80											26.5	600	46.5	500		
85																
	0	3,550	0	1,550	0	550										

1 PART LINE



MAX PULL
7,700 lb

2 PART LINE



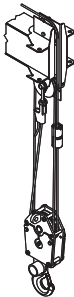
MAX PULL
15,400 lb

3 PART LINE



MAX PULL
23,100 lb

4 PART LINE



MAX PULL
30,800 lb

5 PART LINE



MAX PULL
38,500 lb

6 PART LINE



MAX PULL
40,000 lb

NOTICE

- Do not deadhead line block against boom tip when extending boom.
- Keep at least 3 wraps of loadline on drum at all times.
- Use only 9/16" diameter rotation resistant cable with 38,500 lb breaking strength on this machine.