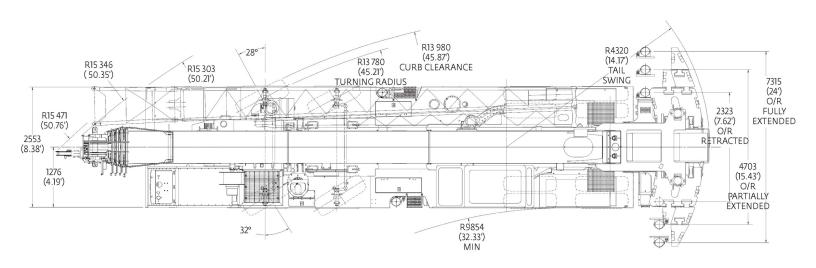


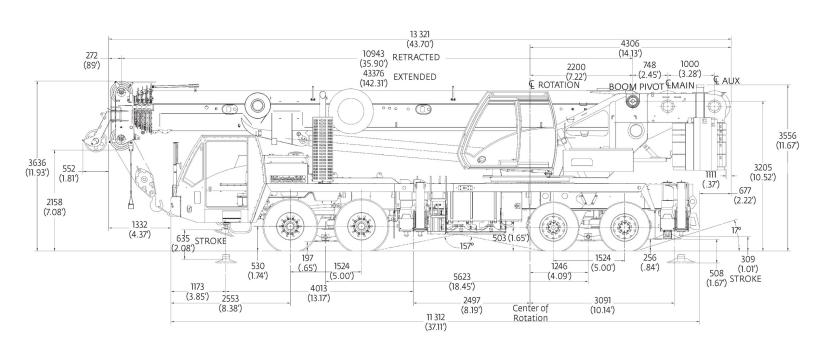


#### **Features**

- 90 t (110 USt) capacity
- 11,2 m 43,4 m (36 ft 142 ft) five-section full power boom
- Patented TWIN-LOCK™ boom pinning system
- 10 m 17 m (33 ft 56 ft) bi-fold lattice swingaway extension
- Optional lattice insert extensions for a 72,2 m (237 ft) maximum tip height
- · Tiltable superstructure cab
- Up to 21300 kg (48,500 lb) counterweight with hydraulic removal system

#### **Dimensions**



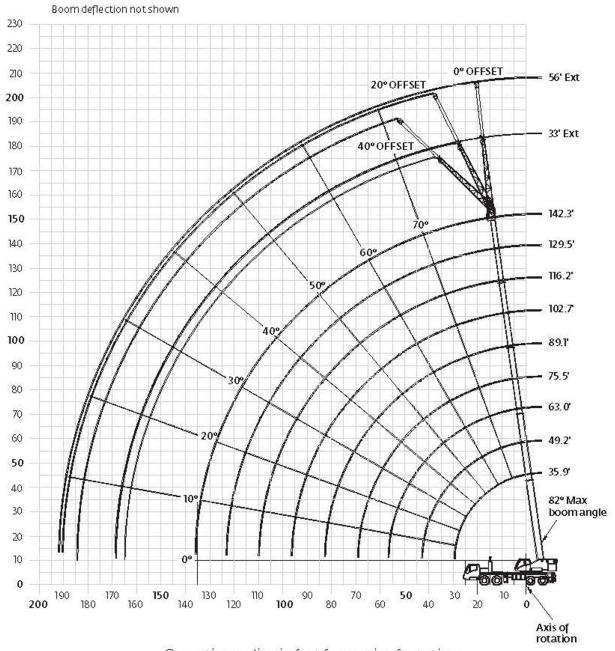


# **Working Range**

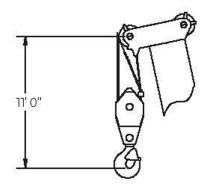
### Main Boom and Manual Extension

#### 36 ft - 142 ft main boom and manual lattice extension

Height from the ground in feet



Operating radius in feet from axis of rotation



Dimensions area for largest Grove furnished hookblook and headache ball, with anti-two block activated.

Boom and extension length in feet

## **Load Chart**

#### Main Boom

annie I







		الشا	
36 ft - 142 ft Fixed lengths	48,500 lb	100% 24 ft 0 in	36

( <del>)</del>   (	

Feet	35.9'	49.2'	63.0'	75.5'	89.1'	102.7	Пб.2′	129.5'	142.3
8	°220,000								
9	୩85000				I				
10	165,000	138,000	130,500	111,000	83,000	**			
12	151,000	138,000	129,500	111,000	83,000	S .	3	1	
15	131,500	127,500	122,500	111,000	83,000	60,150			
20	105,500	105,500	101,000	99,400	81,500	60,150	44,500	33,450	
25	83,600	85,750	84,300	84,550	73,500	56,750	44,500	33,450	26,70
30		70,150	70,600	70,350	65,600	50,100	44,250	33,450	26,70
35		58,050	58,600	57,850	59,150	44,700	40,100	33,450	26,70
40		48,050	48,950	48,250	49,550	40,150	36,250	32,850	26,70
45	I I		41,600	43,050	42,250	36,350	32,400	30,050	26,70
50	îÎî		37,000	37,450	36,600	32,650	29,550	27,550	25,95
55			27,450	32,650	31,950	30,250	27,050	25,300	24,10
60				28,700	27,950	28,200	24,900	23,350	22,35
65	T i			25,350	24,700	25,400	23,000	21,550	20.75
70			8	10.024.000	22,100	22,700	21,200	20,000	19,30
75.	Y i				20.850	20,400	19,500	18,600	18.00
80	ili.				19,100	18,450	18,400	16,650	16,100
85	T I				2010000	16.700	16.750	15,550	15.10
90	13		3	- 1	- 2	15,250	15,600	14,300	14,150
95						11,500	14,250	13,400	13,30
100	î î				T T	7	13,050	12,700	12,350
105	8 6				3	C C	12,000	11,950	11,350
110					J.	Ĭ.		11,000	10,40
115								10,100	9570
120			1		6	24-	3	9360	8780
125									8070
13.0	i i					Ĩ.			7420
135	K 1				- 3		5		4980
140	8 %		8			2			

Pounds (thousands)

36 ft - 142 ft Fixed lengths











Feet	35.9	49.2'	63.0'	75.5'	89.1	102.7'	116.2'	129.5'	142.3
10	165,000	138,000	130,500	111,000	83,000				
12	151,000	138,000	129,500	111,000	83,000				
15	131,500	127,500	122,500	111,000	83,000	60,150			
20	105,500	105,500	101,000	99,400	81,500	60,150	44,500	33,450	
25	82,900	84,900	83,600	84,550	73,500	56,750	44,500	33,450	26,70
30		68,050	68,650	68,200	65,600	50,100	44,250	33,450	26,70
35		56,000	56,450	55,700	57,050	44,700	40,100	33,450	26,70
40		46,500	47,100	47,450	47,700	40,150	36,250	32,850	26,70
45			40,300	41,500	40,650	36,350	32,400	30,050	26,70
50			35,600	35,550	34,700	32,650	29,550	27,550	25,95
55			27,450	30,800	30,050	30,250	27,050	25,300	24,10
60				27,000	26,250	27,000	24,900	23,350	22,350
65				23,850	23,550	23,850	22,350	21,550	20,750
70					22,050	21,300	20,700	20,000	19,300
75					19,800	19,100	19,400	18,050	18,00
80					17,900	17,250	17,500	16,150	16,100
85						15,650	15,950	15,050	15,100
90						14,250	14,550	14,200	13,800
95						11,500	13,250	13,150	12,550
100							12,150	12,050	11,450
105							11,100	11,050	10,450
110								10,150	9570
115								9330	8760
120								8590	8010
125									7330
130									6720
135 140									4980

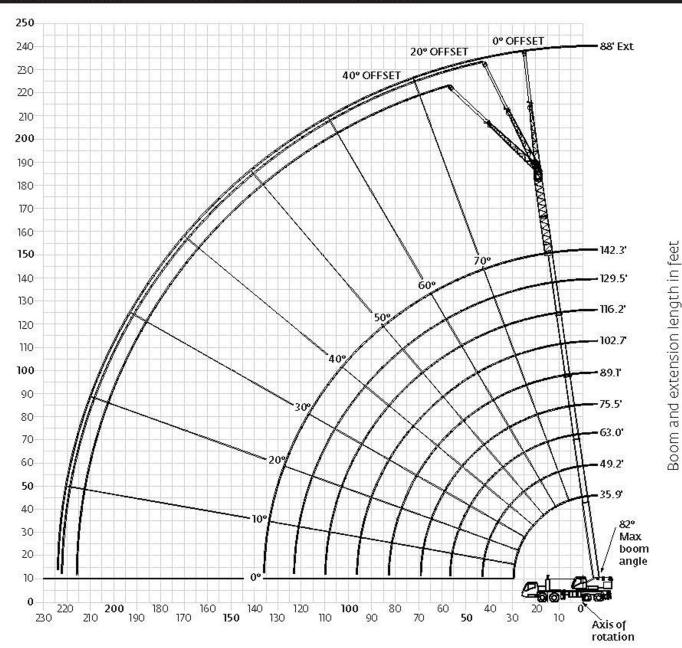
<sup>&</sup>quot;Requires special equipment.

### **Working Range**

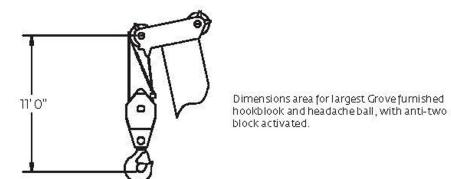
### Main Boom, Manual Extension, and Inserts

#### 36 ft - 142 ft main boom, manual lattice extension and two 16 ft inserts

Height from the ground in feet



Operating radius in feet from axis of rotation



### **Load Chart**

# Main Boom, Manual Extension, and Inserts





JC	Pounds (thousands)												
	142.3' + 33'			142.3' + 56'			142.3' +72'			142.3' + 88'			
eet	0°	20°	40*	0°	20*	40°	0,	20°	40*	0*	20°	40*	
30	13,650												
35	13,650			8470									
40	13,650			8470									
45	13,650	14,200		8470			6920						
50	13,650	14,200	12,200	8470			6920			5520			
55	13,650	14,200	12,200	8470	8700		6920			5520			
60	13,650	14,200	12,200	8470	8 6 7 0		6920	7440		5520			
65	13,650	14,200	12,200	8470	8620		6920	7440		5520			
70	13,650	14,100	12,200	8470	8380		6920	7440		5520	5680		
75	13,650	13,500	12,200	8470	8160	6750	6920	7440	6370	5520	5610		
80	12,950	12,900	12,200	8470	7940	6640	6920	7440	6370	5520	5550	533	
85	12,250	12,250	12,200	8470	7720	6530	6920	7430	6370	5520	5480	533	
90	11,600	11,600	11,850	8470	7530	6440	6920	7330	6370	5520	5420	533	
95	11,000	11,050	11,250	8470	7340	6350	6920	7240	6350	5520	5350	533	
00	10,450	10,500	10,700	8470	7170	6280	6920	7140	6270	5520	5290	.529	
05	9860	9990	10,200	8470	7020	6210	6920	7040	6200	5440	5230	524	
110	9290	9510	9720	8340	6870	6140	6920	6840	6140	5350	5160	520	
115	8750	8980	9260	8100	673.0	6090	6920	6630	6090	5270	5100	515	
20	8250	8470	8720	7770	6610	6050	6710	6430	6040	5180	5040	5110	
125	7790	7990	8210	742.0	6490	6010	6490	6240	6000	5100	4990	505	
30	7260	7520	7610	7090	6390	5990	6270	6050	5970	5010	4920	499	
135	6670	6890	7010	6770	6290	5970	6020	5880	5950	4930	4850	492	
140	613.0	6320		6460	6200	5970	5740	5710	5800	4840	4760	486	
45	5630	5780		6070	6130	5970	5470	5560	5660	4670	4600	472	
	5160	5280		5600	6000	5970	5220	5410	5530	4520	4460	458	
150 155	4740	4820		5160	5520	5660	4980	5180	5410	4360	4320	445	
	4340	4620		4750	5070	5000	4590		5180	4220	4190	432	
60 65	3990			4750	4640		4200	4950	4720	4020	4060	432	
	3990							4560	4/20				
70				4020	4240		3840 3500	4160		3760	3950 3770	409	
175				3690	3860			379.0		3420		393	
180				3380	3500		319.0	3430		3100	3420	355	
85				3080			2890	3100		2800	3090		
190				1830			2620	2780		2510	2770		
195							2360	2480		2250	2470		
00							2120			2000	2190		
205							1910			1770	1920		
210										1550	1660		
215										1340			
20										1160			

