

Grove TMS9000E

Product Guide

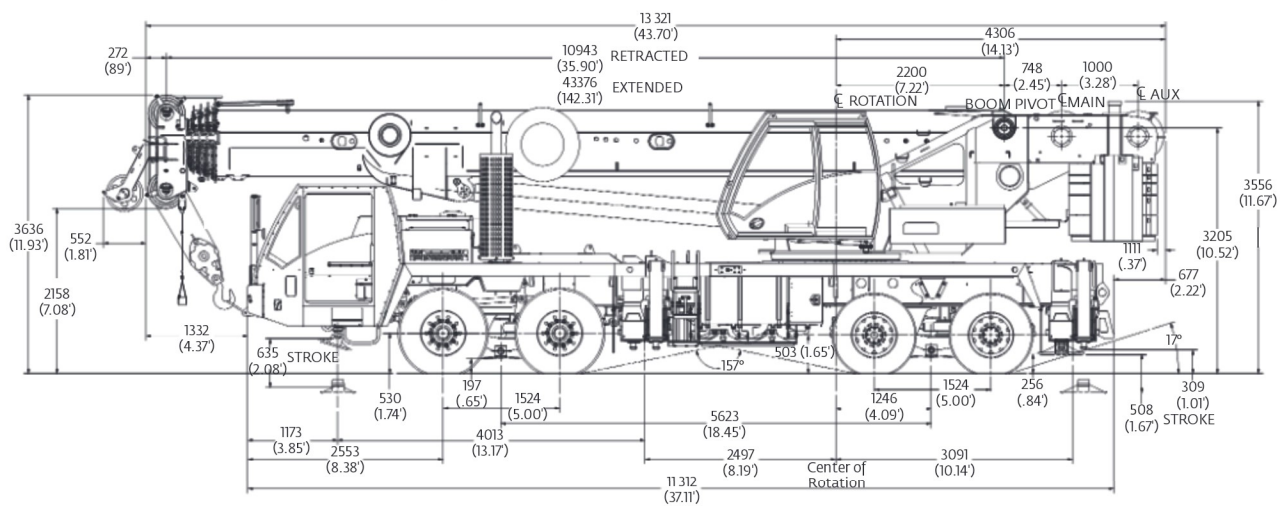
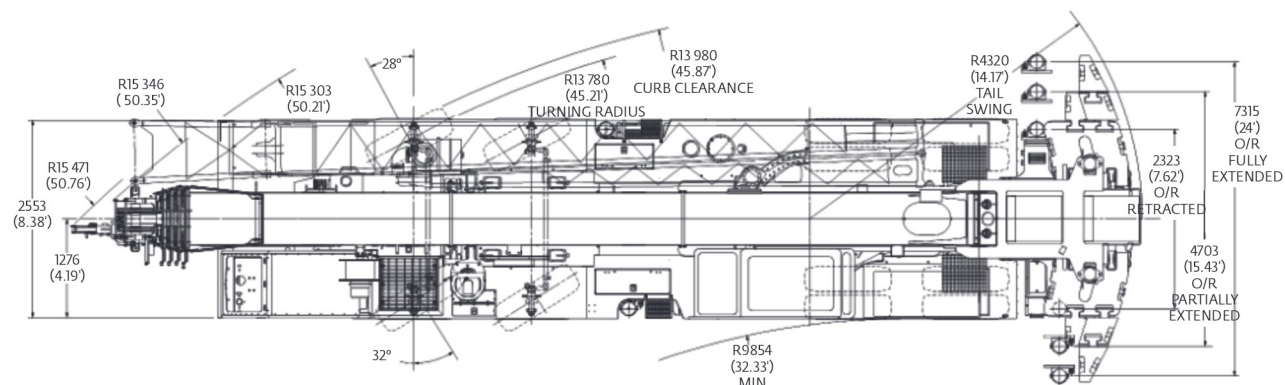


Features

- 90 t (110 USt) capacity
- 11,2 m - 43,3 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
- Tilttable superstructure cab
- Up to 21 300 kg (48,500 lb) counterweight with hydraulic removal system



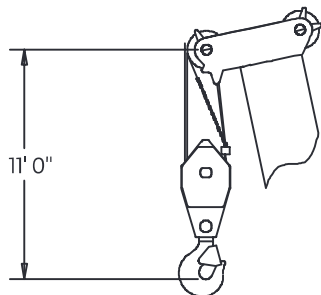
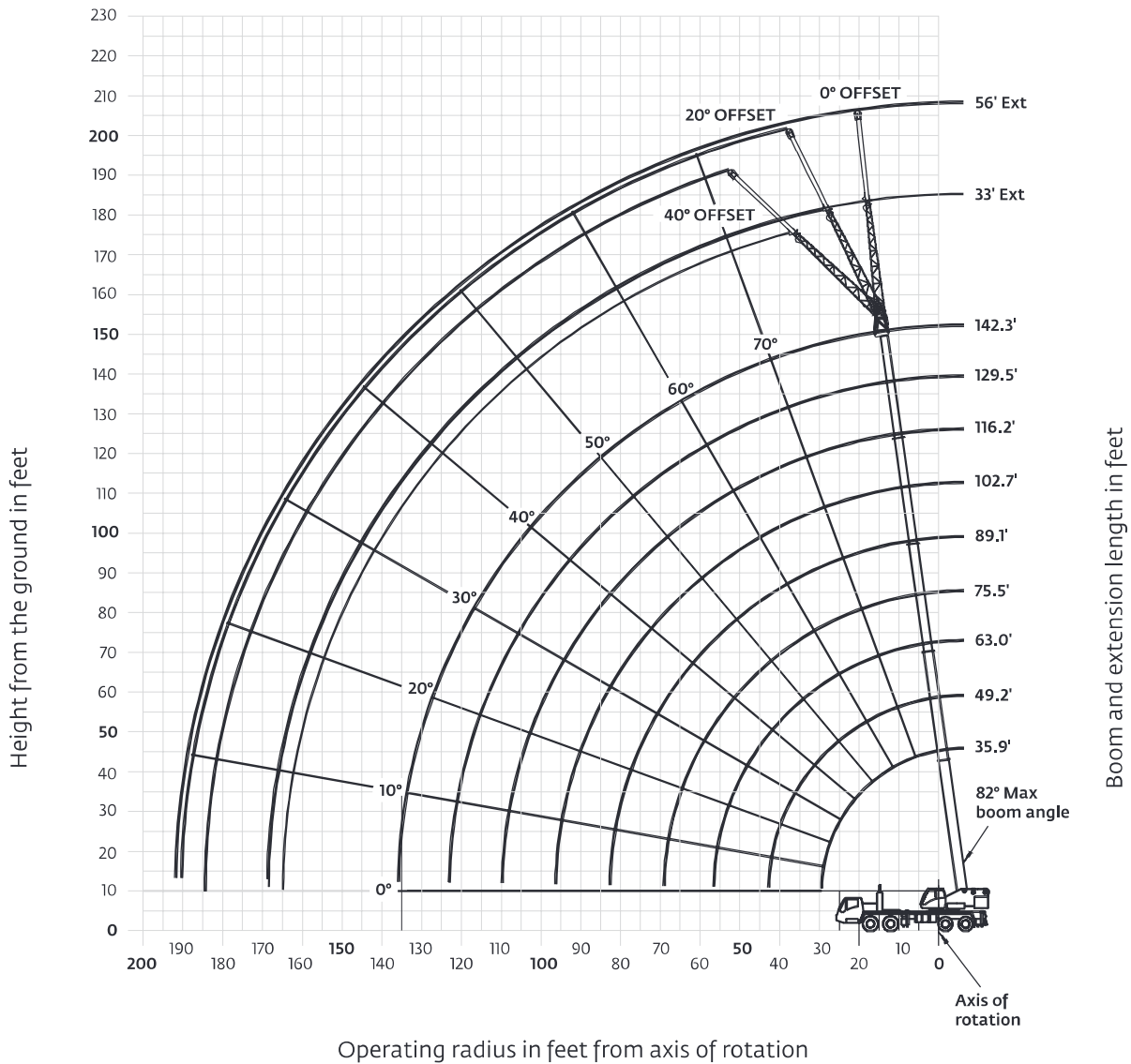
Dimensions



Dimensions shown in mm (ft)

Working range

36 ft - 142 ft main boom and manual lattice extension



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

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

Load charts

									
36 ft - 142 ft Fixed lengths	48,500 lb	100% 24 ft 0 in	360°						
	 Pounds (thousands)								
Feet	35.9'	49.2'	63.0'	75.5'	89.1'	102.7'	116.2'	129.5'	142.3'
8	*220,000								
9	*185,000								
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	83,600	85,750	84,300	84,550	73,500	56,750	44,500	33,450	26,700
30		70,150	70,600	70,350	65,600	50,100	44,250	33,450	26,700
35		58,050	58,600	57,850	59,150	44,700	40,100	33,450	26,700
40		48,050	48,950	48,250	49,550	40,150	36,250	32,850	26,700
45			41,600	43,050	42,250	36,350	32,400	30,050	26,700
50			37,000	37,450	36,600	32,650	29,550	27,550	25,950
55			27,450	32,650	31,950	30,250	27,050	25,300	24,100
60				28,700	27,950	28,200	24,900	23,350	22,350
65				25,350	24,700	25,400	23,000	21,550	20,750
70					22,100	22,700	21,200	20,000	19,300
75					20,850	20,400	19,500	18,600	18,000
80					19,100	18,450	18,400	16,650	16,100
85						16,700	16,750	15,550	15,100
90						15,250	15,600	14,300	14,150
95						11,500	14,250	13,400	13,300
100							13,050	12,700	12,350
105							12,000	11,950	11,350
110								11,000	10,400
115								10,100	9570
120								9360	8780
125									8070
130									7420
135									4980
140									

*Requires special equipment.

36 ft - 142 ft
Fixed lengths

44,000 lb

100%
24 ft 0 in

360°

Pounds (thousands)

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	26,700
30		68,050	68,650	68,200	65,600	50,100	44,250	33,450	26,700
35		56,000	56,450	55,700	57,050	44,700	40,100	33,450	26,700
40		46,500	47,100	47,450	47,700	40,150	36,250	32,850	26,700
45			40,300	41,500	40,650	36,350	32,400	30,050	26,700
50			35,600	35,550	34,700	32,650	29,550	27,550	25,950
55			27,450	30,800	30,050	30,250	27,050	25,300	24,100
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	18,000
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	9,570
115								9,330	8,760
120								8,590	8,010
125									7,330
130									6,720
135									4,980
140									

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Load charts

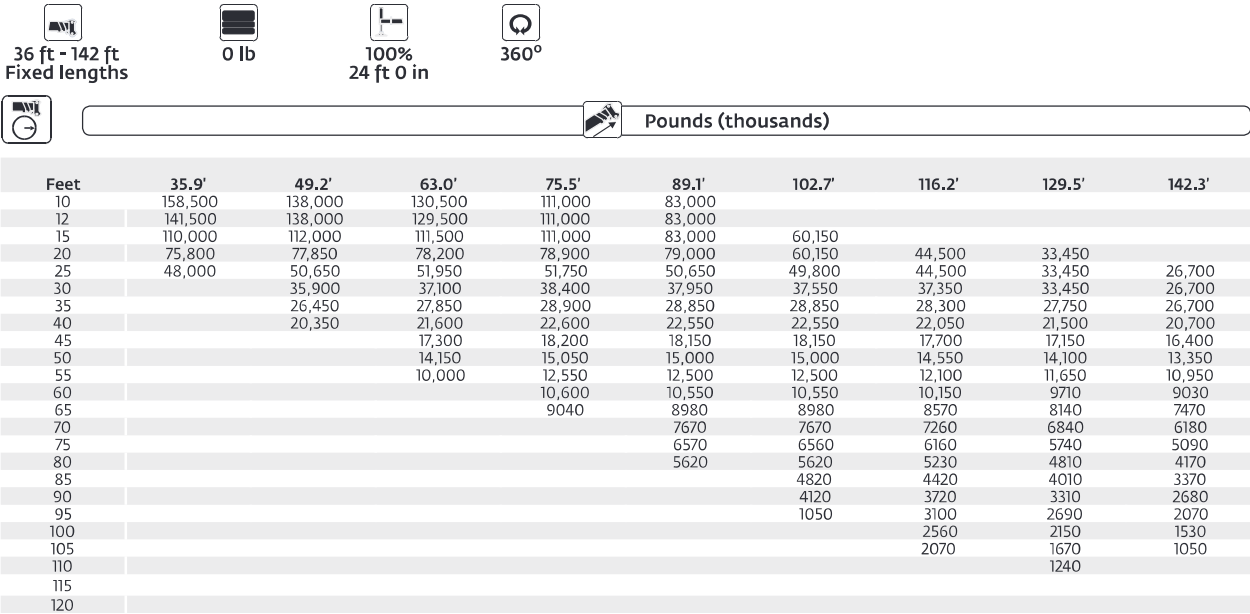
									
36 ft - 142 ft Fixed lengths	26,000 lb	100% 24 ft 0 in	360°						
	 Pounds (thousands)								
Feet	35.9'	49.2'	63.0'	75.5'	89.1'	102.7'	116.2'	129.5'	142.3'
10	165,000	138,000	130,500	111,000	83,000				
12	151,000	138,000	129,500	111,000	83,000				
15	128,500	127,500	122,500	111,000	83,000	60,150			
20	95,750	97,750	96,300	97,600	81,500	60,150	44,500	33,450	
25	72,700	74,650	75,250	74,750	73,500	56,750	44,500	33,450	26,700
30		58,850	59,100	59,700	59,750	50,100	44,250	33,450	26,700
35		46,850	47,850	47,700	46,800	44,700	40,100	33,450	26,700
40		37,500	38,650	38,500	37,650	38,350	36,250	32,850	26,700
45			32,100	31,950	31,900	32,000	30,300	30,050	26,700
50			27,150	27,100	27,850	27,050	27,350	25,900	25,950
55			21,850	24,250	24,050	23,250	23,550	23,350	22,700
60				21,300	20,950	21,250	20,500	20,350	19,700
65				18,750	18,450	18,700	18,300	17,850	17,200
70					16,400	16,600	16,200	15,900	15,250
75					14,750	14,950	14,550	14,150	13,500
80					13,350	13,400	13,000	12,600	11,950
85						12,050	11,650	11,250	10,600
90						10,900	10,500	10,100	9470
95						7430	9480	9070	8450
100							8580	8170	7550
105							7770	7360	6740
110								6640	6020
115								6000	5380
120								5400	4790
125									4260
130									3770
135									3330
140									

									
36 ft - 142 ft Fixed lengths	11,000 lb	100% 24 ft 0 in	360°						
	 Pounds (thousands)								
Feet	35.9'	49.2'	63.0'	75.5'	89.1'	102.7'	116.2'	129.5'	142.3'
10	164,000	138,000	130,500	111,000	83,000				
12	147,000	138,000	129,500	111,000	83,000				
15	120,500	123,000	121,000	111,000	83,000	60,150			
20	84,900	86,900	87,500	86,750	81,500	60,150	44,500	33,450	
25	61,950	63,550	63,850	65,650	64,500	56,750	44,500	33,450	26,700
30		46,400	47,550	47,400	46,400	45,400	44,250	33,450	26,700
35		35,500	36,500	36,350	37,300	36,350	35,850	33,450	26,700
40		28,100	29,250	30,400	30,000	30,000	29,500	29,350	26,700
45			24,100	25,000	24,650	24,950	24,500	23,950	23,200
50			20,000	20,900	20,850	20,800	20,350	19,900	19,150
55			15,200	17,750	17,650	17,650	17,200	16,750	16,000
60				15,300	15,250	15,250	14,800	14,350	13,700
65				13,250	13,200	13,200	12,800	12,350	11,700
70					11,500	11,500	11,100	10,700	10,050
75					10,100	10,100	9730	9310	8660
80					8920	8930	8530	8110	7470
85						7890	7500	7080	6450
90						7000	6600	6190	5560
95						3750	5810	5400	4770
100							5120	4700	4080
105							4490	4090	3470
110								3530	2910
115								3040	2420
120								2580	1970
125									1560
130									1190
135									
140									

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