



GROVE TMS900E – (90T)



EQUIPMENT SPECIFICATIONS



**WITHOUT
QUESTION**

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IRVING EQUIPMENT LIMITED
 1-800-561-CRANE (2726)
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INFO

IDENTIFICATION

Asset Number	Multiple
Crane Make	Grove
Crane Model	TMS900E
Type	90T Hydraulic

Serial Number	Multiple
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DIMENSIONS

Overall length of carrier	36'10.8"
Overall width of carrier	8'5.5"
Transportation height	11'10.2"
Fullspan outriggers c-c	24'
Midspan outriggers c-c	15'5"
Outriggers, front to rear length	18'4"
Tailswing radius	12'7.5"
Overall length, boom in rest.	42'10.4"

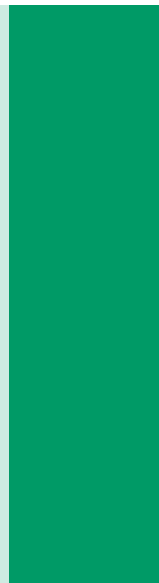
Turning Radius	50.15'
Axles	4
Weight, counterweight removed, jib stowed, ball, and 5-sheave block onboard	68,552lbs
Dolly	2-Axle

FEATURES

5-Section Full-Power MEGAFORM Boom
TWIN-LOCK Boom Pinning System
Superstructure Cab Tilttable to +15°
104km/h road speed
Max 31,500lb Counterweight w/ Hydraulic removal System

HOISTING INFO

Full counterweight	31,500lbs
Fixed jib, length options	33', 56', 72', 88'
Fixed jib, offset angles	0°, 20°, 40°
Luffing jib	N/A
Main boom max. length	142'
Swing speed	1.7rpm
Travel Speed	104kmh
Fuel tank Capacity	376L
Hook blocks	Ball and 1, 3, or 5 sheaves
Line Pull, max. single line	11,240lbs
Max line speed	410fpm
Gradeability	70°
Hoist rope length	720'
Hoist rope diameter	16mm

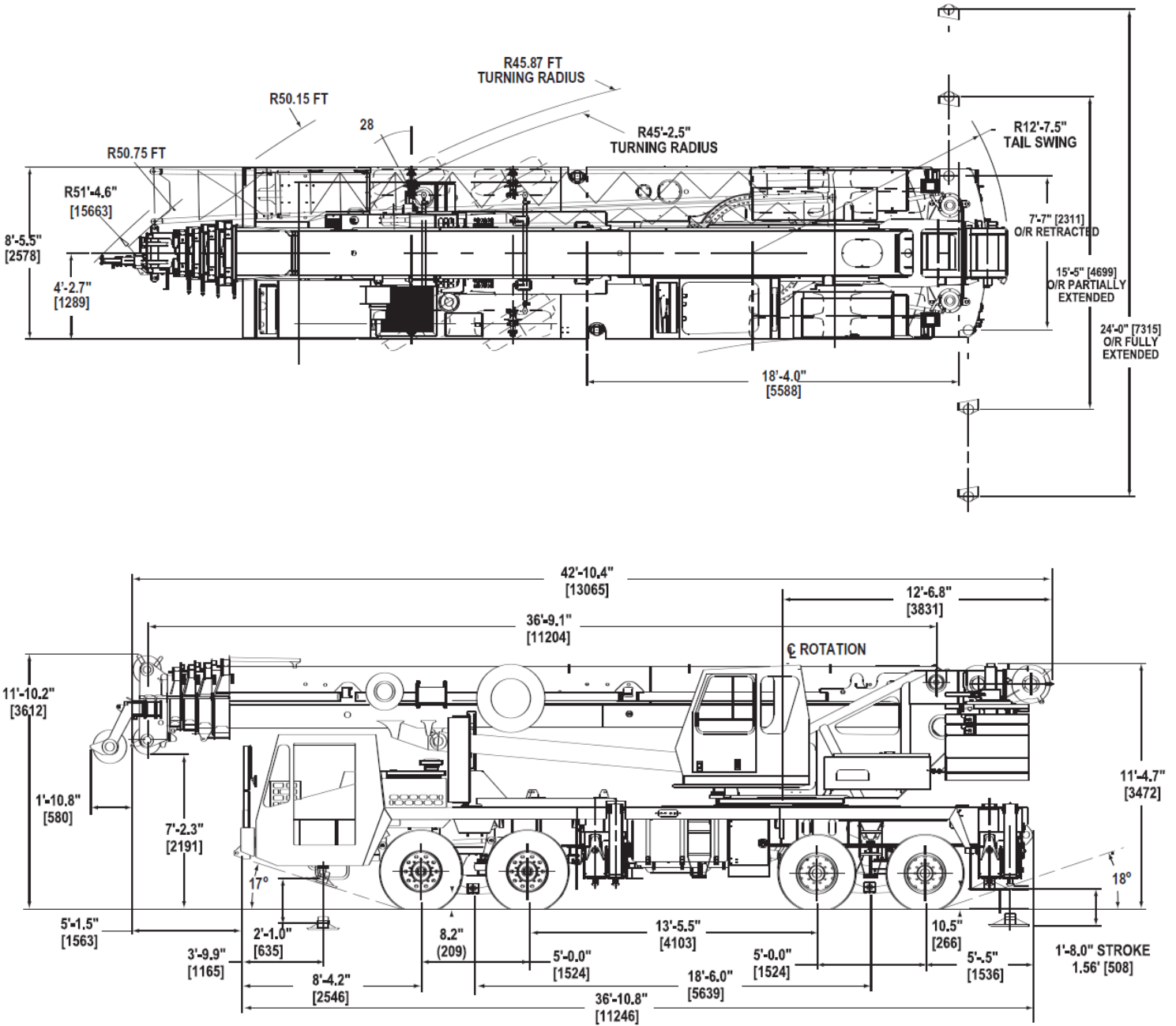




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KEY DIMENSIONS





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INFO

37 - 142 ft Fixed lengths
 31,500 lbs
 100% 24'-0"
 360

Feet	36.8	49.9	63.0	76.1	89.3	102.4	115.5	128.6	141.8
8	*180,000								
10	155,000	136,000	129,000	123,000	81,000				
15	116,000	112,000	105,000	99,000	81,000	59,000			
20	88,700	90,350	89,000	84,000	81,000	57,000	42,400	34,000	
25	69,950	72,200	72,400	71,150	71,000	51,000	42,400	34,000	26,600
30		56,350	57,000	58,150	56,950	46,000	39,600	33,800	26,600
35		46,600	47,550	47,400	46,200	41,600	35,800	32,000	26,600
40			39,750	39,600	38,450	38,200	32,200	29,400	26,600
45			33,550	33,500	32,600	33,600	29,400	27,000	24,800
50			28,300	28,300	29,400	28,600	26,600	24,800	22,800
55			24,250	24,250	25,350	24,600	24,800	22,800	21,200
60			22,000	22,000	22,150	21,450	21,750	20,300	19,800
65			19,550	19,550	19,400	19,100	18,800	18,000	18,200
70				17,300	17,600	16,900	16,750	16,200	16,200
75					15,400	15,750	15,200	14,900	14,350
80						14,100	13,750	13,350	12,750
85						12,700	12,350	11,950	11,400
90						11,500	11,150	10,850	10,300
95							10,100	9,770	9,250
100							9,140	8,810	8,290
105								7,950	7,430
110								7,180	6,670
115								6,480	5,980
120									5,340
125									4,760
130									4,230

89-142 ft
 33 ft
 31,500 lbs
 100% 24'-0"
 360

Feet	33' Hydraulic Bifold Swingaway 5 Deg Fixed Offset Angle				
	89.3	102.4	115.5	128.6	141.8
20	22,000				
25	22,000	22,000			
30	22,000	22,000	22,000	17,800	
35	22,000	22,000	21,800	17,800	13,800
40	22,000	22,000	21,400	17,800	13,800
45	21,600	22,000	21,000	17,800	13,800
50	19,800	21,000	20,400	17,800	13,800
55	18,400	19,400	19,800	17,200	13,800
60	17,400	18,200	18,600	16,800	13,800
65	16,400	17,200	17,200	15,800	13,800
70	15,600	16,150	15,900	15,000	13,800
75	14,800	14,300	14,050	14,000	13,000
80	13,550	12,850	12,400	12,600	12,000
85	12,100	11,250	11,100	11,250	11,200
90	10,950	10,100	9,890	10,400	10,400
95	9,880	9,200	9,000	9,900	9,340
100	9,000	8,600	8,200	8,950	8,380
105	8,600	8,200	7,800	8,090	7,510
110	8,310	7,800	7,400	7,310	6,730
115		7,560	7,000	6,600	6,020
120		6,920	6,410	5,950	5,370
125			5,820	5,360	4,780
130			5,280	4,820	4,250
135			4,790	4,320	3,750
140				3,870	3,300
145				3,450	2,880
150				3,070	2,490
155					2,130
160					1,800

89-142 ft
 56 ft
 31,500 lbs
 100% 24'-0"
 360

Feet	56' Hydraulic Bifold Swingaway 5 Deg Fixed Offset Angle				
	89.3	102.4	115.5	128.6	141.8
30	11,000	11,000	11,000		
35	11,000	11,000	11,000	9,800	
40	11,000	11,000	11,000	9,800	8,200
45	11,000	11,000	11,000	9,800	8,200
50	11,000	11,000	11,000	9,800	8,200
55	10,600	11,000	11,000	9,800	8,200
60	10,200	10,600	10,800	9,800	8,200
65	9,600	10,000	10,200	9,800	8,200
70	9,200	9,600	9,800	9,600	8,200
75	8,800	9,200	9,400	9,600	8,200
80	8,400	8,800	9,000	9,200	8,200
85	8,000	8,400	8,600	8,800	8,200
90	7,600	8,200	8,400	8,600	8,200
95	7,400	7,800	8,200	8,200	8,200
100	7,200	7,400	7,600	8,000	8,000
105	6,800	7,200	7,600	7,800	7,800
110	6,600	7,000	7,120	7,200	7,400
115	6,400	6,700	6,410	7,000	6,680
120	6,200	6,200	6,200	6,590	6,030
125	6,000	6,000	5,800	5,990	5,420
130	5,690	5,600	5,400	5,440	4,870
135		5,400	5,200	4,930	4,370
140		5,200	4,800	4,460	3,900
145			4,500	4,030	3,470
150			4,090	3,630	3,070
155			3,720	3,250	2,690
160				2,910	2,350
165				2,590	2,030
170				2,290	1,720
175					1,440
180					1,180

- ✓ FULL-SERVICE PROVIDER FOR CRANE RENTAL, RIGGING, AND LIFT PLANNING.
- ✓ DAILY, WEEKLY, MONTHLY RATES AVAILABLE
- ✓ DRY-LEASE AND LONG-TERM RENTALS
- ✓ OUR PURPOSE IS TO LEAVE 'NO ROOM FOR DOUBT'!