

Catálogo

**GRUAS
RAGO**
TELESCÓPICAS



20

ANIVERSARIO

DESDE 1993

Capacidad de levantamiento • Diagramas • Dimensiones

2013 Grúas Rago S.A • Tel: (506) 2442-9047 • Email: info@gruasrago.com • Web: www.gruasrago.com



Grúas Plataforma con Brazo Hidráulico Telescópico

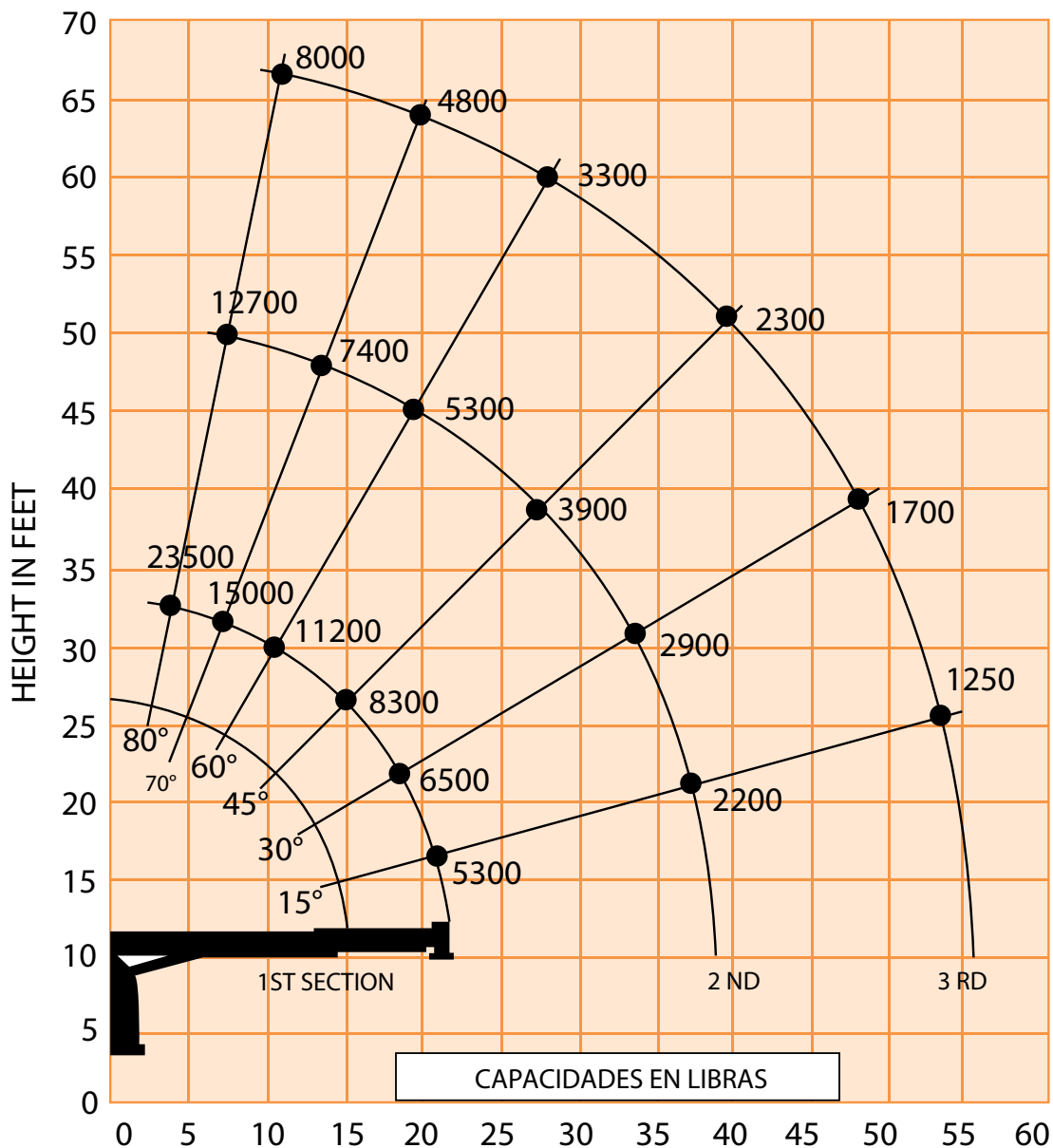
Capacidad de levantamiento • Diagramas • Dimensiones

Diagrama de elevación

Modelo 556 A National - 67 BOOMS

10 TON

R-10A



DIMENSIONES

ALTURA C/ MANUAL (PIES)				
65				
ALTURA MÁX.	ANCHO MÁX.	EXTENSIÓN DEL ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MÁX.
3.80 mts	2.40 mts	1.73 mts	5.85 mts	9 mts

Capacidad de Levantamiento

Modelo Millennium Series M1768

15 TON

R-15A

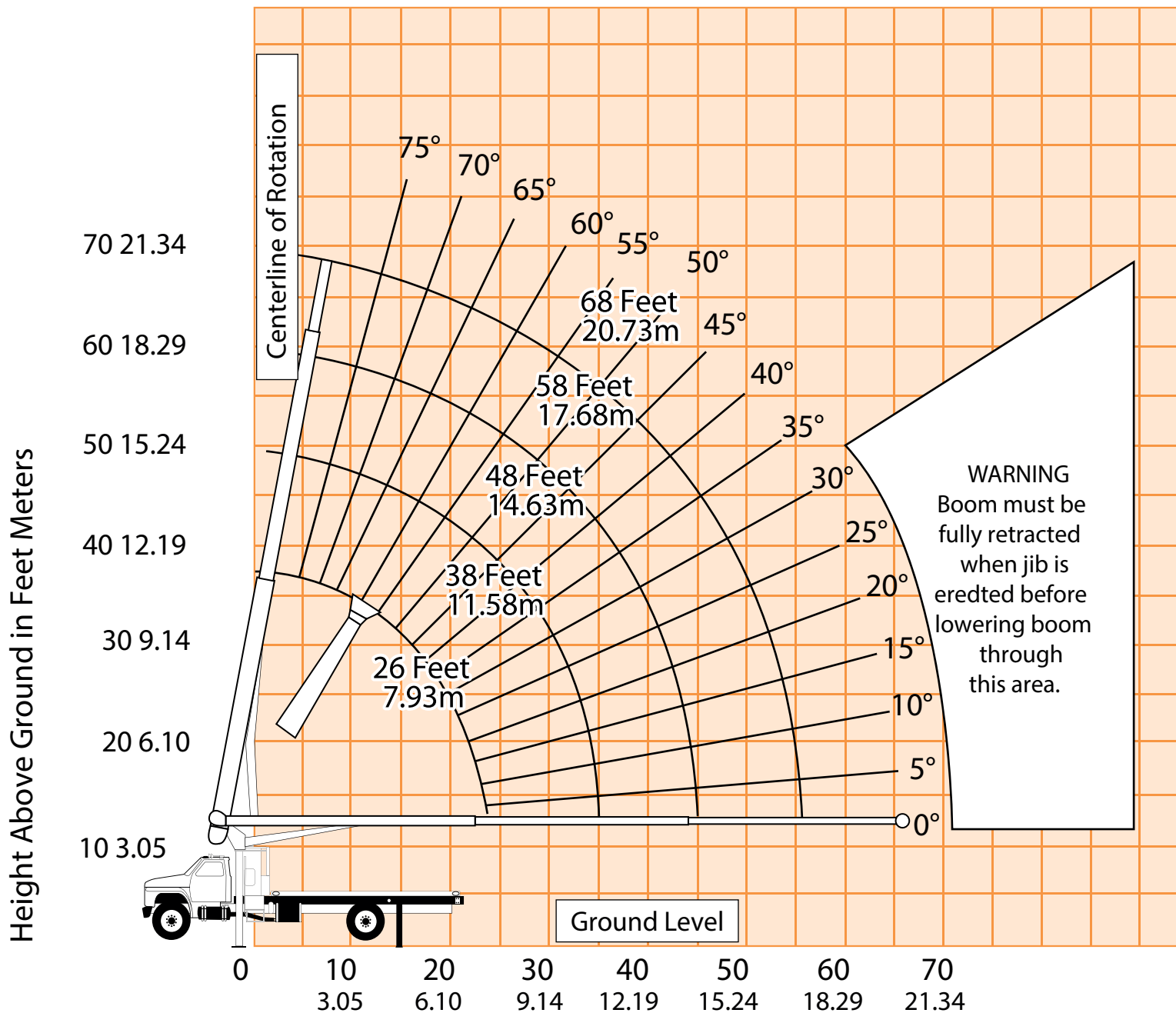
BOOM LOAD RATING																
Operating Radius		26 Feet 7.92 Meters			38 Feet 11.58 Meters			48 Feet 14.63 Meters			58 Feet 17.68 Meters			68 Feet 20.73 Meters		
Feet	Meters	∠	lb	kg	∠	lb	kg	∠	lb	kg	∠	lb	kg	∠	lb	kg
5	1.52	77°	30.000	13.636												
8	2.44	70°	24.000	10.886	77°	21.500	9.752									
10	3.05	66°	20.110	9.122	74°	18.460	8.373	78°	14.600	6.623						
12	3.66	61°	17.360	7.874	71°	16.010	7.262	76°	12.680	5.752	79°	11.810	5.357			
15	4.57	52°	14.310	6.491	66°	13.320	6.042	72°	10.500	4.763	76°	9.830	4.459	78°	9.200	4.173
20	6.10	36°	10.490	4.758	57°	10.350	4.695	65°	8.160	3.701	70°	7.690	3.488	74°	7.280	3.302
25	7.62				47°	8.310	3.769	58°	6.570	2.980	65°	6.240	2.830	70°	5.910	2.681
30	9.14				36°	6.610	2.998	51°	5.420	2.459	59°	5.200	2.359	65°	4.940	2.241
35	10.67				17°	4.560	2.068	42°	4.470	2.028	53°	4.390	1.991	60°	4.200	1.905
40	12.19							32°	3.580	1.624	47°	3.720	1.687	55°	3.610	1.637
45	13.72							16°	2.380	1.079	39°	3.120	1.415	50°	3.110	1.411
50	15.24										29°	2.500	1.134	43°	2.670	1.211
55	16.76										15°	1.610	730	36°	2.240	1.016
60	18.29													28°	1.780	807
65	19.81													14°	1.400	635
70	21.34	This capacity chart is for refence use only and must not be used for a specific serial number crane.														
75	22.86															
80	24.38															
85	25.91	Main boom ratings are based on machine structural competence and do not exceed 85% of tipping.														
90	27.43	Do not operate crane or accessories within 10´(3.05m) of live power lines.														
			480	218		330	150		260	118		220	100		190	86

Diagrama de elevación

Modelo Millennium Series M1768

15 TON

R-15A



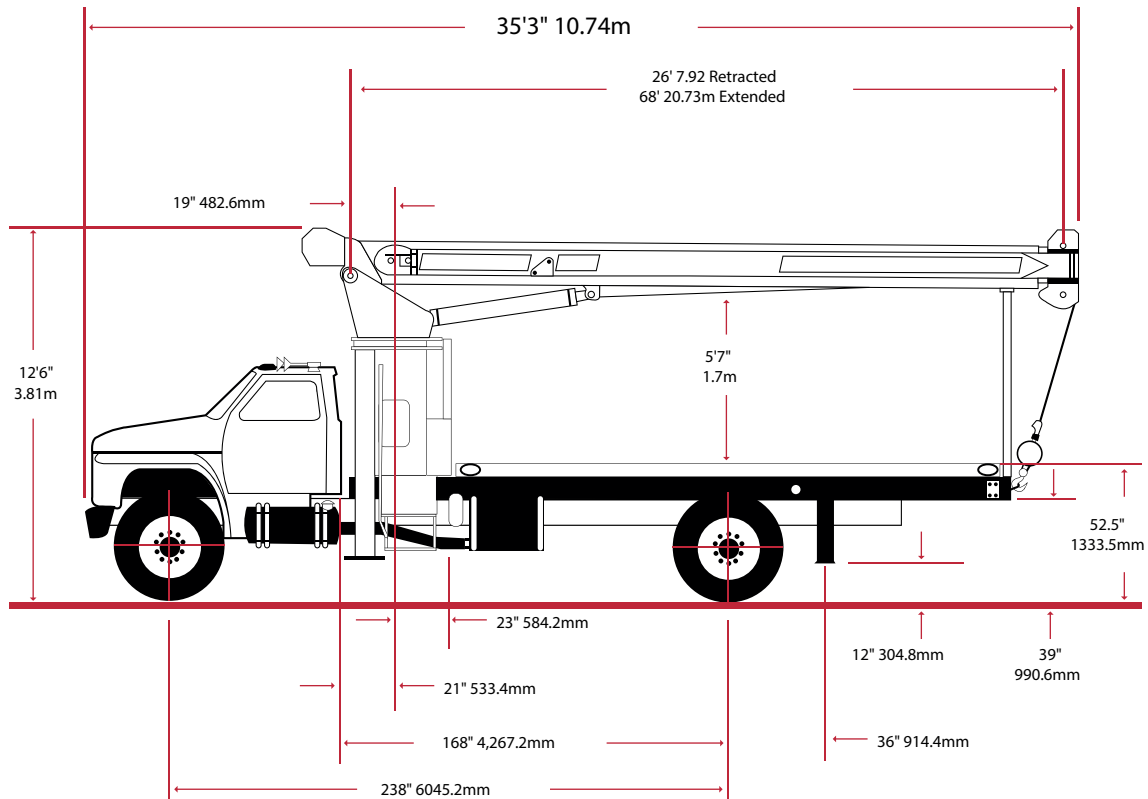
Dimensiones

Modelo Millennium Series M1768

15 TON

R-15A

ALTURA MÁXIMA	ANCHO MAXIMO	EXT. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.81 mts	2.45 mts	4.7 mts	6.35 mts	10.74 mts



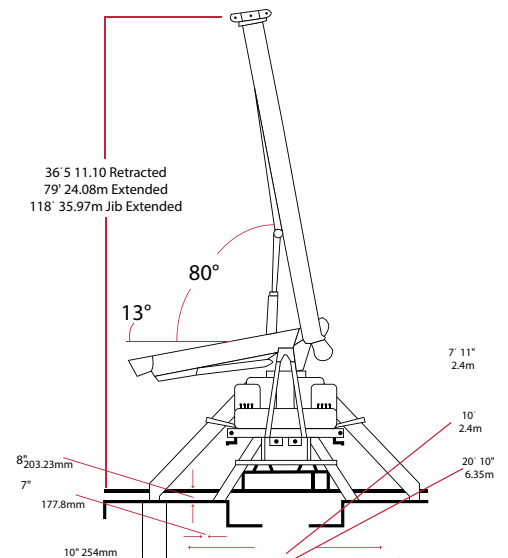
These dimensions are general. not for engineering. Some dimensions depend on trick selection.

Truck chasis data

Minimum Requires

Some configurations and options may increase requirements.

Wheelbase	238 In	6.045mm
Cab to Axle	168 In	4.267mm
Frame Section Modulus	18 In ³	3.295cc
	50.000psi	344.750kPa
Frame Section Modulus	15.9 In ³	260cc
	110.000psi	758.450kPa
Nominal Frame Width	34 In	864mm
Front Axle Gross Weight Rating	12.000 lb	5.443kg
Rear Axle Gross Weight Rating	21.000 lb	9.525kg









Capacidad de Levantamiento

880c National CRANE Corporation R21A

21 TON

R-21A

LOAD RADIUS (FEET)	LOADED BOOM ANGLE	24.5FT BOOM (lb)	LOADED BOOM ANGLE	36FT BOOM (lb)	LOADED BOOM ANGLE	47FT BOOM (lb)	LOADED BOOM ANGLE	58FT BOOM (lb)	LOADED BOOM ANGLE	69FT BOOM (lb)	LOADED BOOM ANGLE	80FT BOOM (lb)
5	77.5	42.000										
8	70	29.200										
10	64.5	24.200	73.5	22.200	78	20.600						
12	68.5	20.900	70	19.000	75.5	17.500	78.5	16.200				
14	52.5	18.200	66.5	16.600	73	15.300	76.5	14.100	79.5	13.200		
16	46	15.900	63	14.700	70	13.500	74.5	12.500	77.5	11.700	79.5	11.300
20	29	12.200	55	11.900	64.5	11.000	70	10.100	74	9.600	76.5	9.100
25			44	9.500	57.5	8.900	65	8.200	69.5	7.600	72.5	7.200
30			31	7.400	50	7.300	59	6.700	65	6.300	68.5	5.950
35					41	6.100	53	5.700	60	5.400	64.5	5.000
40					30	4.900	46.5	4.800	55	4.600	60.5	4.300
45							38.5	4.100	49.5	4.000	56.5	3.750
50							29	3.300	43.5	3.400	52	3.250
55							13	2.200	37	2.900	47	2.800
60									29	2.400	41.5	2.400
65									17	1.700	35.5	2.000
70											28	1.600
75											18	1.100

1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE
					
MAX. PULL 7.700 lb	MAX. PULL 15.400 lb	MAX. PULL 23.100 lb	MAX. PULL 30.800 lb	MAX. PULL 38.500 lb	MAX. PULL 42.000 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.
- Maximum capacity with "burst of speed" is 3.000 lb.

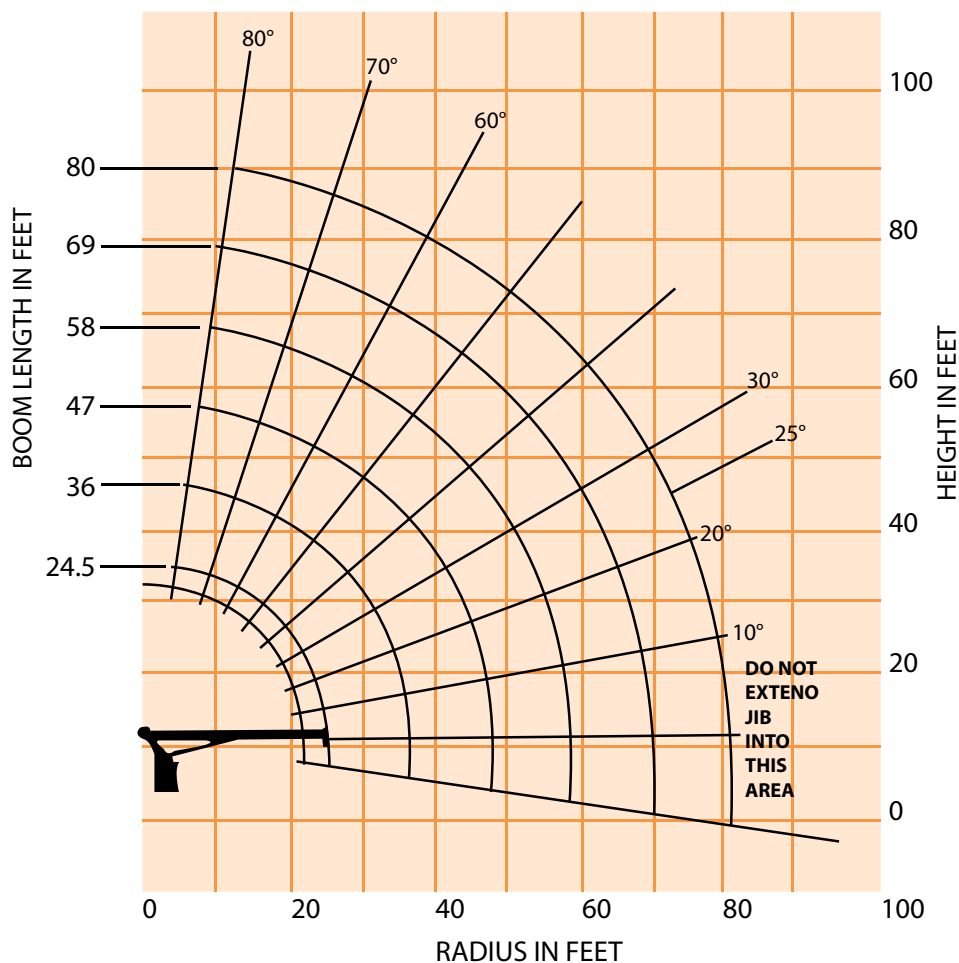
Diagrama de Elevación

880c National CRANE Corporation R21A

21 TON

R-21A

Elevación Máxima 80 pies



NOTE:

1. Operate with 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
Three sheave block	_____	530

Dimensiones

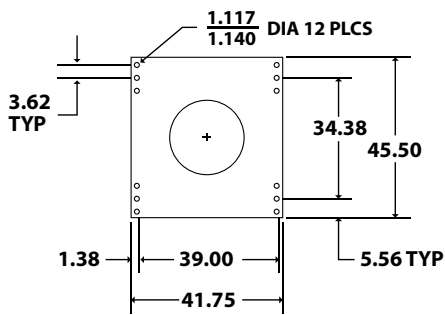
880c National CRANE Corporation R21A

21 TON

R-21A

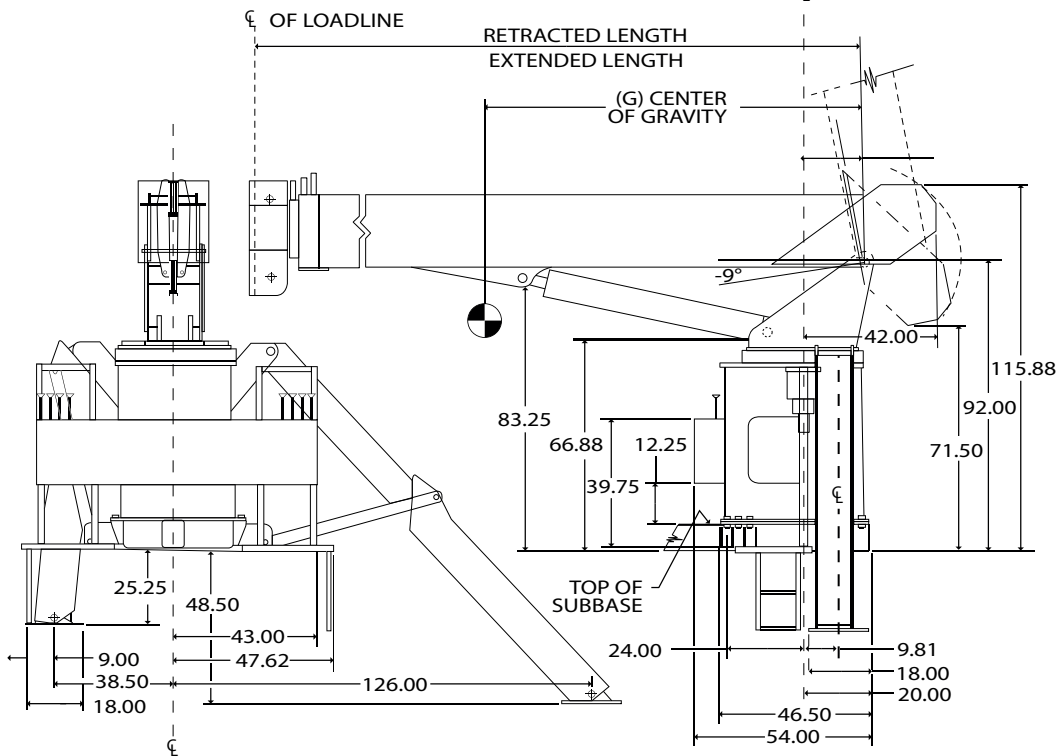
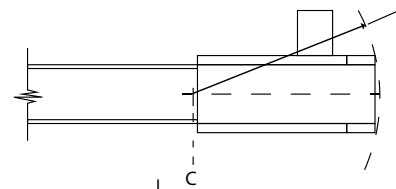
ALTURA MAXIMA	ANCHO MAXIMO	EXT. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.80 mts	2.60 mts	1.60 mts	5.80 mts	9.60 mts

SERIES	RETRACTED LENGTH	EXTENDED LENGTH	G	DRY* WT/LB	WITH OIL* WT/LB
880C	24-1/2 FT	80 FT	87°	17.750*	18.500*
869 C	27 FT	69 FT	90°	17.400*	18.150*



WEIGHT INCLUDES ALL ITEMS EXCEPT ASH (800#)

MAINTAIN CLEARANCE FOR TAILSWING
50.50 TAILSWING



Capacidad de Levantamiento

Modelo National CRANE Corporation

23 TON

R23-A

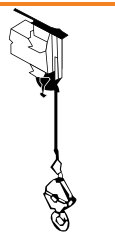
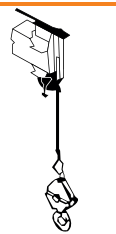
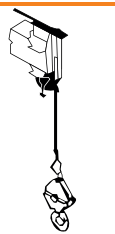
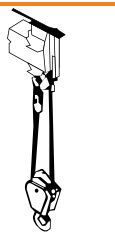
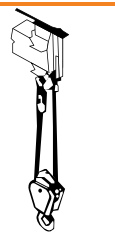
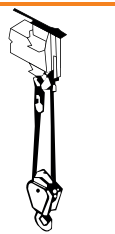
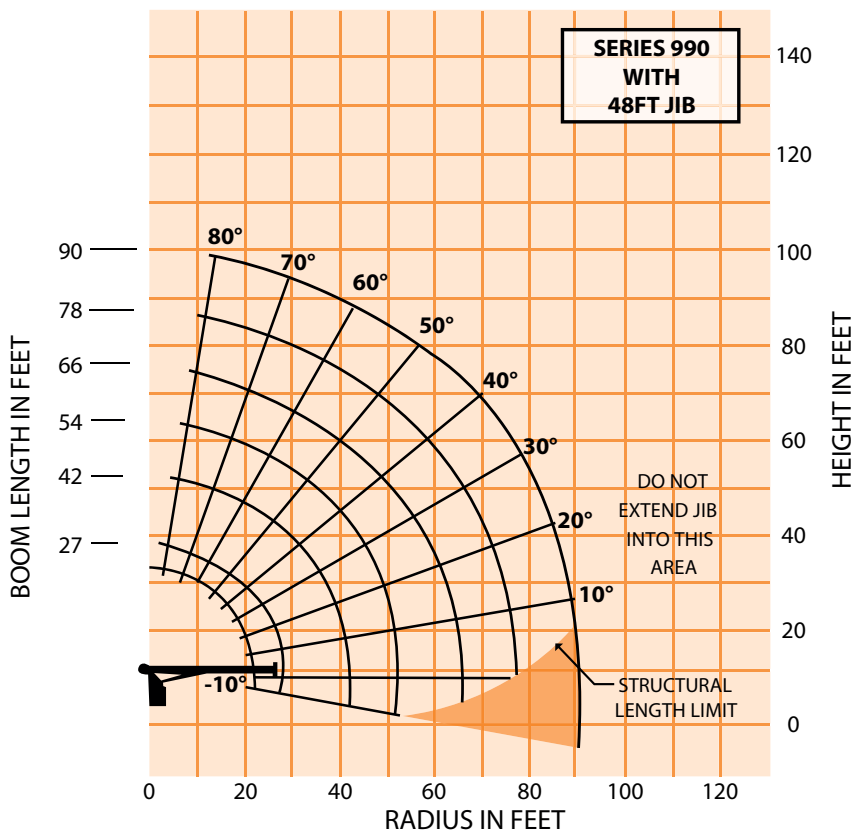
LOAD RADIUS (FEET)	LOADED BOOM ANGLE	27FT BOOM (lb)	LOADED BOOM ANGLE	42FT BOOM (lb)	LOADED BOOM ANGLE	54FT BOOM (lb)	LOADED BOOM ANGLE	66FT BOOM (lb)	LOADED BOOM ANGLE	78FT BOOM (lb)	LOADED BOOM ANGLE	90FT BOOM (lb)	LOADLINE EQUIPMENT DEDUCT(lb)
5	79	46.000											
8	72	32.300											
10	67	26.700	76.5	23.500	80	22.000							
12	62	22.800	73.5	20.500	77.5	18.800							
14	57	19.800	70.5	17.700	75.5	16.400	79	15.200					
16	51	17.400	67.5	15.700	73.5	14.500	77	13.300	79.5	12.400			
20	37	13.800	61	12.700	68.5	11.700	73	10.800	76.5	10.000	79	9.500	
25			52.5	10.100	62.500	9.400	68.5	8.700	72.5	8.000	75.5	7.600	
30			43	8.250	56	7.800	63.5	7.100	68.5	6.500	72	6.100	
35			30	6.550	49	6.400	58.5	6.000	64.5	5.450	68.5	5.100	
40					41	5.400	53	5.100	60	4.650	65	4.400	
45					31.5	4.400	47	4.400	55.5	4.000	61.5	3.800	
50					17	3.100	40.5	3.650	51	3.500	57.5	3.250	
55							32.5	3.000	45.5	3.000	53.5	2.800	
60							22	2.250	40	2.500	49	2.400	
65									33	2.050	44.5	2.050	
70									25	1.550	39.5	1.700	
75									11	700	34	1.350	
80											27	1.000	
85											17	500	
	0	6.500	0	3.000	0	1.600	0	700					
ADD TO CAPACITIES WHEN NO JIB STOWED (lb)		700		400		300		200		200		100	
1 PART LINE		2 PART LINE		3 PART LINE		4 PART LINE		5 PART LINE		6 PART LINE		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. • Maximum capacity with "burst of speed" is 3.000 lb.	
 MAX. PULL 7.700 lb		 MAX. PULL 15.400 lb		 MAX. PULL 23.100 lb		 MAX. PULL 30.800 lb		 MAX. PULL 38.500 lb		 MAX. PULL 42.000 lb			

Diagrama de Elevación

Modelo National CRANE Corporation

23 TON

R23-A



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.

LMI OPERATING CODE SWITCH	
SWITCH POSITION (REF #17)	OPERATING MODE
01	MAIN BOOM - NO JIB STOWED
02	MAIN BOOM - JIB STOWED
03	27 FT TELE JIB
04	48 FT TELE JIB
11	MAN BASKET ON MAIN BOOM
12	MAN BASKET ON 27 FT TELE JIB
13	MAN BASKET ON 48 FT TELE JIB

Dimensiones

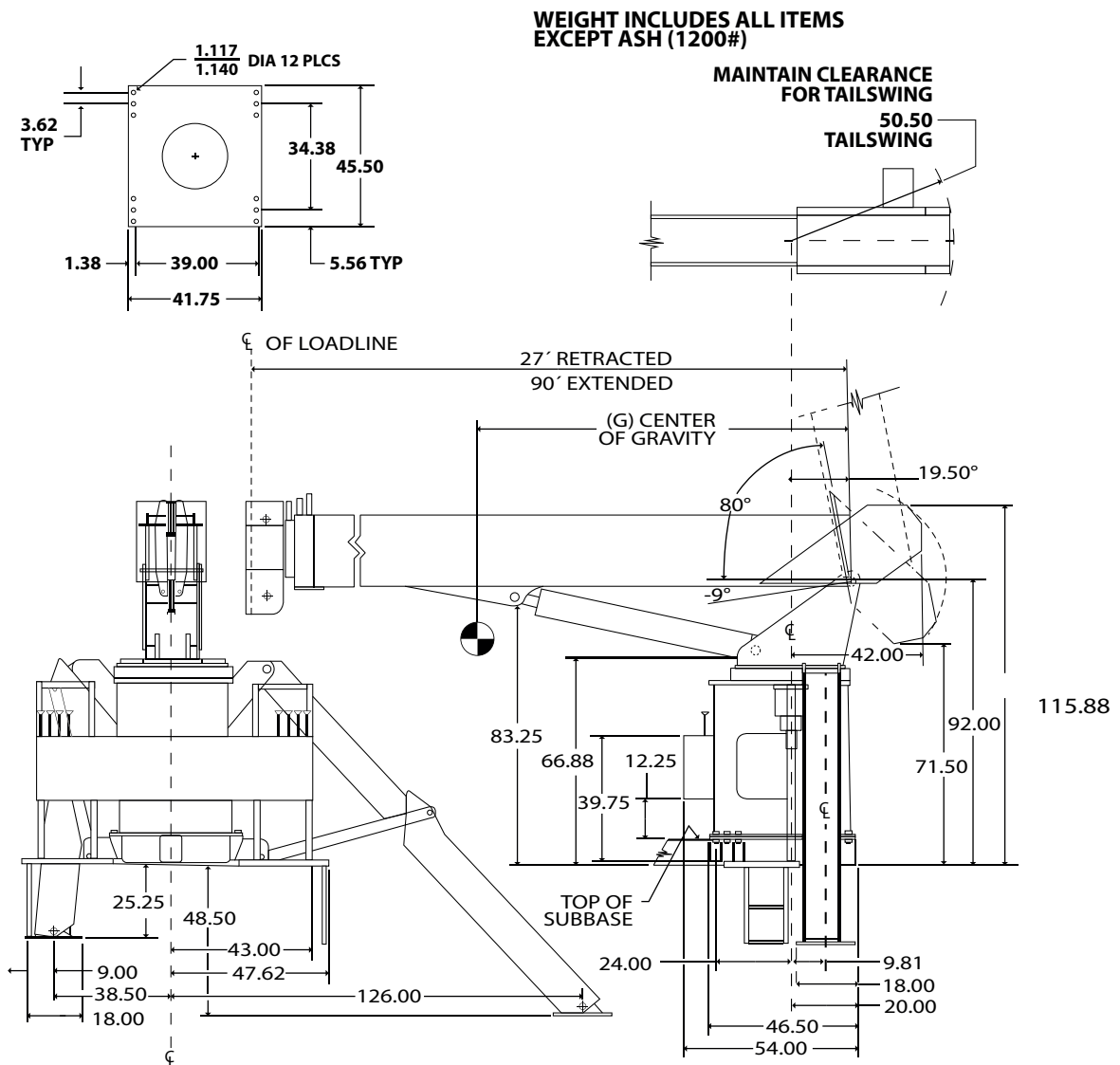
Modelo National CRANE Corporation

23 TON

R23-A

ALTURA MÁXIMA	ANCHO MAXIMO	EXT. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.81 mts	2.45 mts	4.7 mts	6.35 mts	10.74 mts

SERIES	RETRACTED LENGTH	EXTENDED LENGTH	G	DRY* WT/LB	WITH OIL* WT/LB
990	27 FT	90 FT	98°	19.000*	19.800*
969	27 FT	69 FT	90°	17.400*	18.150*

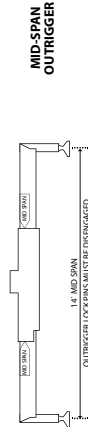


Capacidad de Levantamiento

Modelo 1369 [69'extended/27'50"retracted]

30 TON

R30-B / R30-C



1395
95' BOOM
48' JIB

28 TO 95 FOOT BOOM RATED LOADS WITHOUT JIB

LOAD RADIUS (ft)	LOADED BOOM ANGLE	28 FT BOOM (lb)	43 FT BOOM (lb)	56 FT BOOM (lb)	69 FT BOOM (lb)
5	78.5	60,000			
8	71.5	40,300			
10	67	33,700	76	30,500	
12	62.5	28,900	73.5	26,200	78
14	57.5	25,400	70.5	23,000	76
16	51.9	19,600	67.5	20,400	73.5
20	39.9	12,400	60.9	13,000	68.9
25	20.3	7,900	52.5	8,400	62.9
30			43.9	5,850	57.1
35			32.5	4,200	50.5
40			14.9	3,000	43.2
45					34.7
50					23.5
55					16,650
60					42.7
65					35.9
70					1,250
75					800
80					
85					
90	0	6,200	0	2,800	0



1395
95' BOOM
48' JIB

28 TO 95 FOOT BOOM RATED LOADS WITHOUT JIB

LOAD RADIUS (ft)	LOADED BOOM ANGLE	28 FT BOOM (lb)	43 FT BOOM (lb)	56 FT BOOM (lb)	69 FT BOOM (lb)
5	78.5	60,000			
8	71.5	40,300			
10	67	33,700	76	30,500	
12	62.5	28,900	73.5	26,200	78
14	57.5	25,400	70.5	23,000	76
16	52	22,400	67.5	20,400	73.5
20	40	17,700	61.5	16,700	69
25	17.5	11,800	53	13,500	63.5
30			43.5	11,000	57.5
35			32	8,800	50.5
40			15.5	6,200	44
45				35.5	6,100
50				24.5	4,900
55					37
60					28.5
65					16.5
70					77.5
75					17,000
80					77.5
85					17,000
90	0	6,200	0	2,900	0

27 TO 48 FOOT JIB RATED LOADS

LOAD RADIUS (ft)	LOADED BOOM ANGLE	27 FT JIB (lb)	43 FT JIB (lb)
30	77.5	5,200	80
35	75.5	4,800	78.5
40	73	4,350	76.5
45	70.5	3,900	74.5
50	68	3,500	72.5
55	65.5	3,050	70.5
60	62.5	2,550	68
65	60	2,100	66
70	57	1,750	64
75	53.5	1,400	61.5
80	50.5	1,100	59
85	47	800	56
90	44	600	53.5
95			50.5
100			48

Note:

1. All capacities are in pounds, angles in degrees, radius in feet.
2. Loaded boom angles are given as reference only.
3. Shaded areas are structurally limited capacities.
4. Handling of personnel is only permitted with full extension of outrigger beams.

RATED LOAD REDUCTIONS WITH JIB

BOOM LENGTH	Reduce load
28'	Reduce load 600lb
43'	Reduce load 400lb
56'	Reduce load 300lb
69'	Reduce load 200lb
82'	Reduce load 200lb
95'	Reduce load 200lb

*See owners manual. Also the 60,000 lb capacity is optional 9/16" diameter 6x25 IWRC cable.

27 TO 48 FOOT JIB RATED LOADS

LOAD RADIUS (ft)	LOADED BOOM ANGLE	27 FT JIB (lb)	43 FT JIB (lb)
30	77.5	5,200	80
35	75.5	4,800	78.5
40	72.4	3,500	76.5
45	69.6	2,500	74.5
50	66.8	1,750	72.5
55	64	1,150	69.6
60	61.1	650	67
65			64.4
70			61.9
75			59
80			
85			
90			
95			

Note:

1. All capacities are in pounds, angles in degrees, radius in feet.
2. Loaded boom angles are given as reference only.
3. Shaded areas are structurally limited capacities.
4. Handling of personnel is only permitted with full extension of outrigger beams.

RATED LOAD REDUCTIONS WITH JIB

BOOM LENGTH	Reduce load
28'	Reduce load 600lb
43'	Reduce load 400lb
56'	Reduce load 300lb
69'	Reduce load 200lb
82'	Reduce load 200lb
95'	Reduce load 200lb

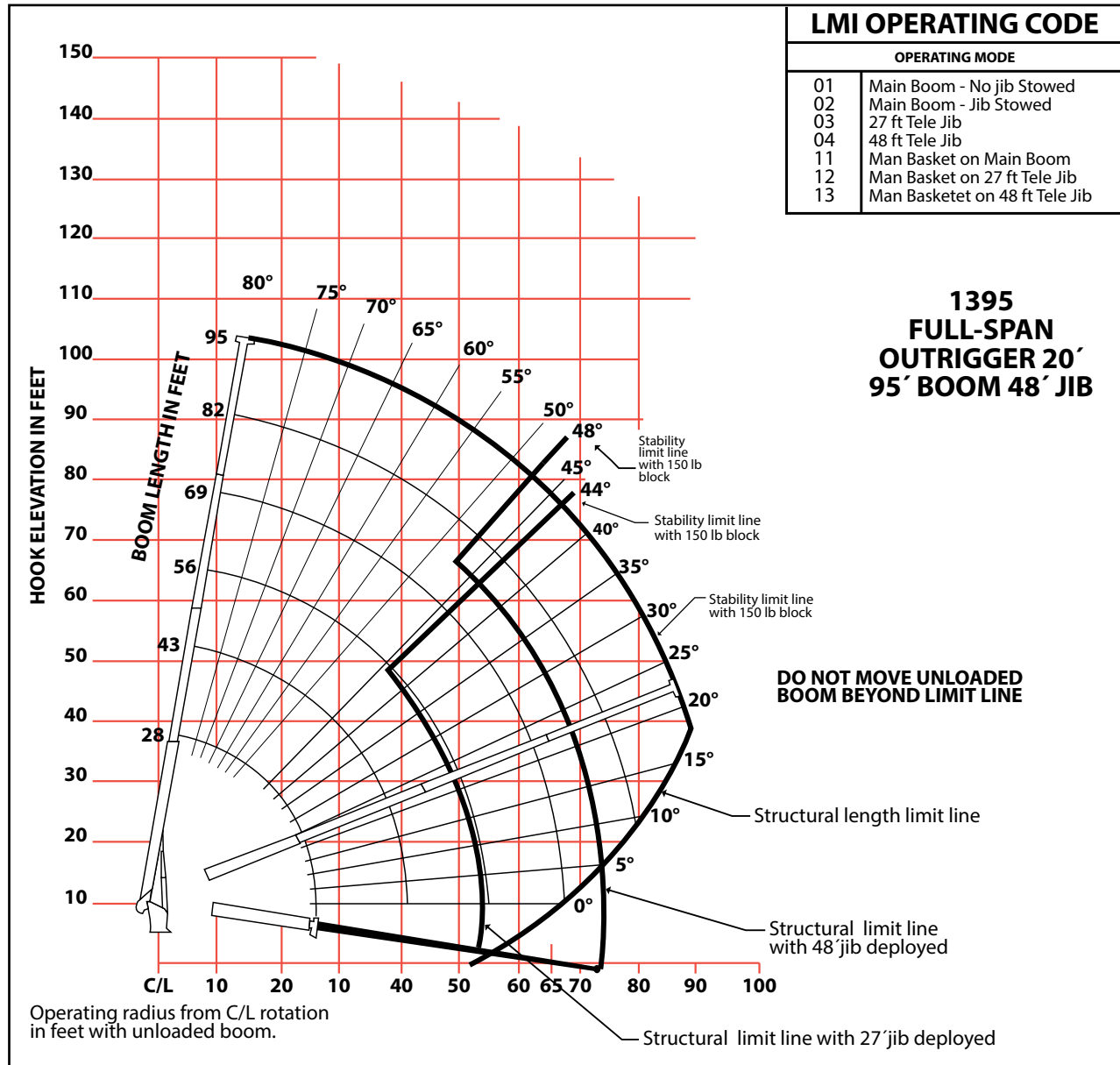
*See owners manual. Also the 60,000 lb capacity is optional 9/16" diameter 6x25 IWRC cable.

Diagrama de Elevación

Modelo 1369 [69'extended/27'50"retracted]

30 TON

R30-B / R30-C



SET - UP

1. Fully extend and set outriggers to full-span location, level crane and set front stabilizer if equipped.

OPERATION

1. The 28 ft. boom length capacities are base on boom fully retracted. If not fully retracted, do not exceed 43 ft. boom length capacities.
2. Do not extend unloaded boom or jib beyond stability limit line on range chart as loss of stability may occur.
3. Load blocks and slings are considered to be a part of the load.
4. Operate with jib by radius when main boom is fully extended and by boom angle when main boom is partially extended. Do not exceed jib capacities at any partially extended boom length.
5. All jib loads must be lifted with single part reeving.

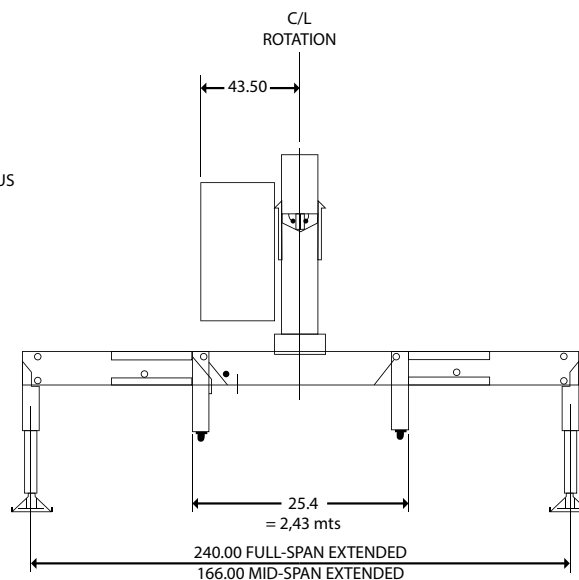
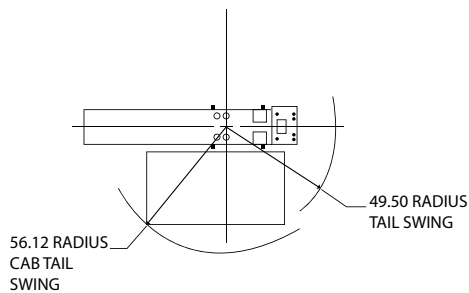
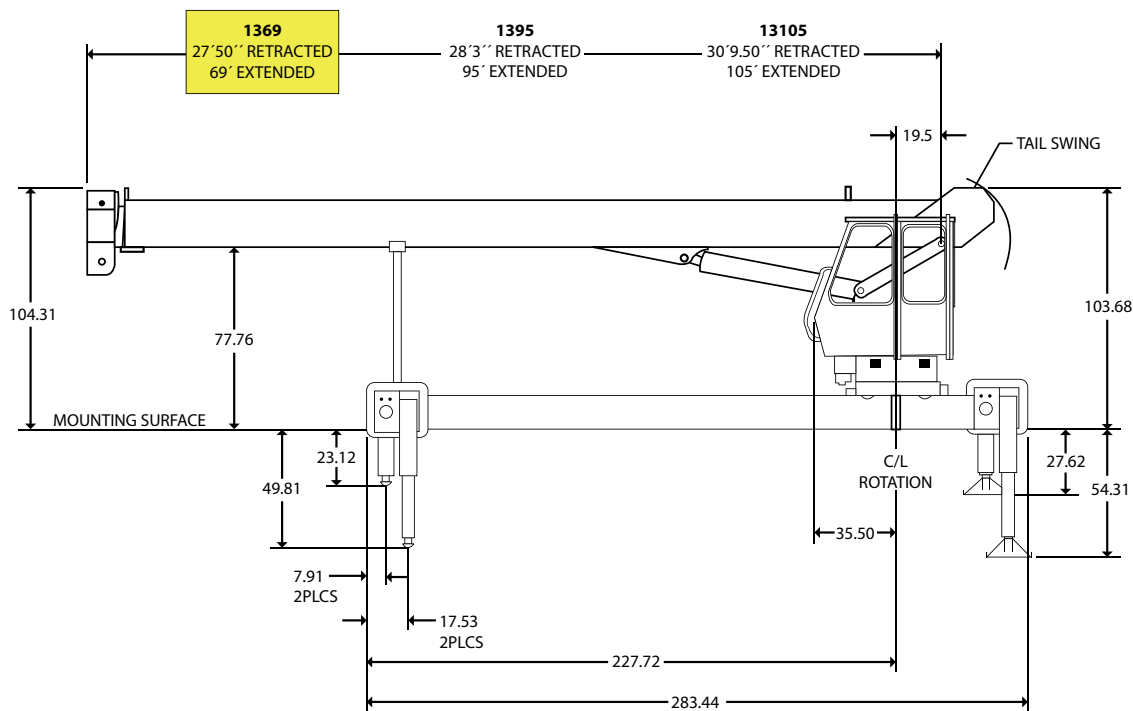
Dimensiones

Modelo 1369 [69'extended/27'50"retracted]

30 TON

R30-B / R30-C

ALTURA MAX.	ANCHO MAX.	EXT ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX.
3.70 mts	2.60 mts	1.60 mts	5.80 mts	12.15 mts



Note:
All dimensions in inches unless otherwise noted.



Grúas RT

Todo Terreno

Capacidad de levantamiento • Diagramas • Dimensiones

Capacidad de Levantamiento

Modelo LRT 180

18 TON

R-18L

R A D I U S	BOOM LENGTH 26.5 FT.			BOOM LENGTH 30 FT.			BOOM LENGTH 36 FT.			BOOM LENGTH 42 FT.			BOOM LENGTH 48 FT.			BOOM LENGTH 54 FT.			BOOM LENGTH 61 FT.		
	∠°	FRONT	360°	∠°	FRONT	360°	∠°	FRONT	360°	∠°	FRONT	360°	∠°	FRONT	360°	∠°	FRONT	360°	∠°	FRONT	360°
	10	60°	36.000*	36.000*	64°	36.000*	36.000*	69°	36.000*	36.000*	72°	36.000*	36.000*	75°	36.000*	36.000*					
12	55°	36.000*	36.000*	60°	36.000*	36.000*	66°	36.000*	36.000*	70°	36.000*	36.000*	73°	36.000*	36.000*	75°	32.900*	32.900*			
15	46°	36.000*	36.000*	53°	36.000*	36.000*	60°	36.000*	36.000*	66°	36.000*	36.000*	69°	32.900*	32.900*	73°	29.500*	29.500*	75°	27.500*	27.500*
20	26°	26.500*	26.500*	39°	26.700*	26.700*	50°	27.000*	27.000*	58°	27.100*	27.100*	63°	27.200*	27.200*	66°	25.300*	25.300*	71°	22.800*	22.800*
25				13°	20.400*	18.200*	38°	20.700*	18.700*	49°	20.900*	18.900*	55°	21.000*	19.000*	61°	21.100*	19.100*	65°	18.200*	18.200*
30							19°	15.200*	13.200*	38°	15.400*	13.500*	48°	15.600*	13.600*	54°	15.700*	13.700*	60°	15.200*	13.800*
35										23°	11.700*	10.100*	38°	11.800*	10.300*	47°	11.900*	10.400*	54°	12.000*	10.500*
40													26°	9.300*	8.000*	38°	9.400*	8.100*	48°	9.500*	8.200*
45																27°	7.600*	6.500*	40°	7.700*	6.600*
50																			31°	6.300*	5.400*
55																			18°	5.200*	4.400*

ON TIRES

R A D I U S	M I N ∠°	M A X ∠°	14.00 X 24 - 20 P.R.				16.00 X 25 - 24 P.R.				20.50 X 25 - 24 P.R.			
			STATIONARY		PICK & CARRY		STATIONARY		PICK & CARRY		STATIONARY		PICK & CARRY	
					CREEP 2.5MPH				CREEP 2.5MPH				CREEP 2.5MPH	
			360°	ST OVER FRONT	360°	ST OVER FRONT	360°	ST OVER FRONT	360°	ST OVER FRONT				
10	62°	62°	16.100	30.400	23.200	14.400	16.200	33.600	33.400	23.800	16.800	34.000	25.500	18.000
12	57°	57°	13.000	25.600	20.000	12.200	13.400	26.500	26.500	20.600	13.600	26.700	23.000	15.400
15	48°	48°	8.800	17.300	16.400	9.700	9.100	18.000	18.000	16.900	9.200	18.100	18.100	12.500
20	45°	28°	5.300	10.600	10.600	6.800	5.400	11.000	11.000	11.000	6.100	11.600	11.600	9.000
25	40°	0°	3.200	7.300	7.300	4.900	3.300	7.600	7.600	7.600	3.800	7.900	7.900	6.700
30	35°	0°	1.900	5.100	5.100	3.700	2.100	5.300	5.300	5.300	2.500	5.600	5.600	5.300
35	32°	0°		3.900	3.900	2.800		4.100	4.100	4.100	1.500	4.300	4.300	4.200
40	30°	0°		2.800	2.800	2.100		3.000	3.000	3.000		3.100	3.100	3.100
45	28°	0°		2.100	2.100	1.500		2.200	2.200	2.200		2.300	2.300	2.300
50	26°	0°		1.400	1.400	1.100		1.600	1.600	1.600		1.700	1.700	1.700

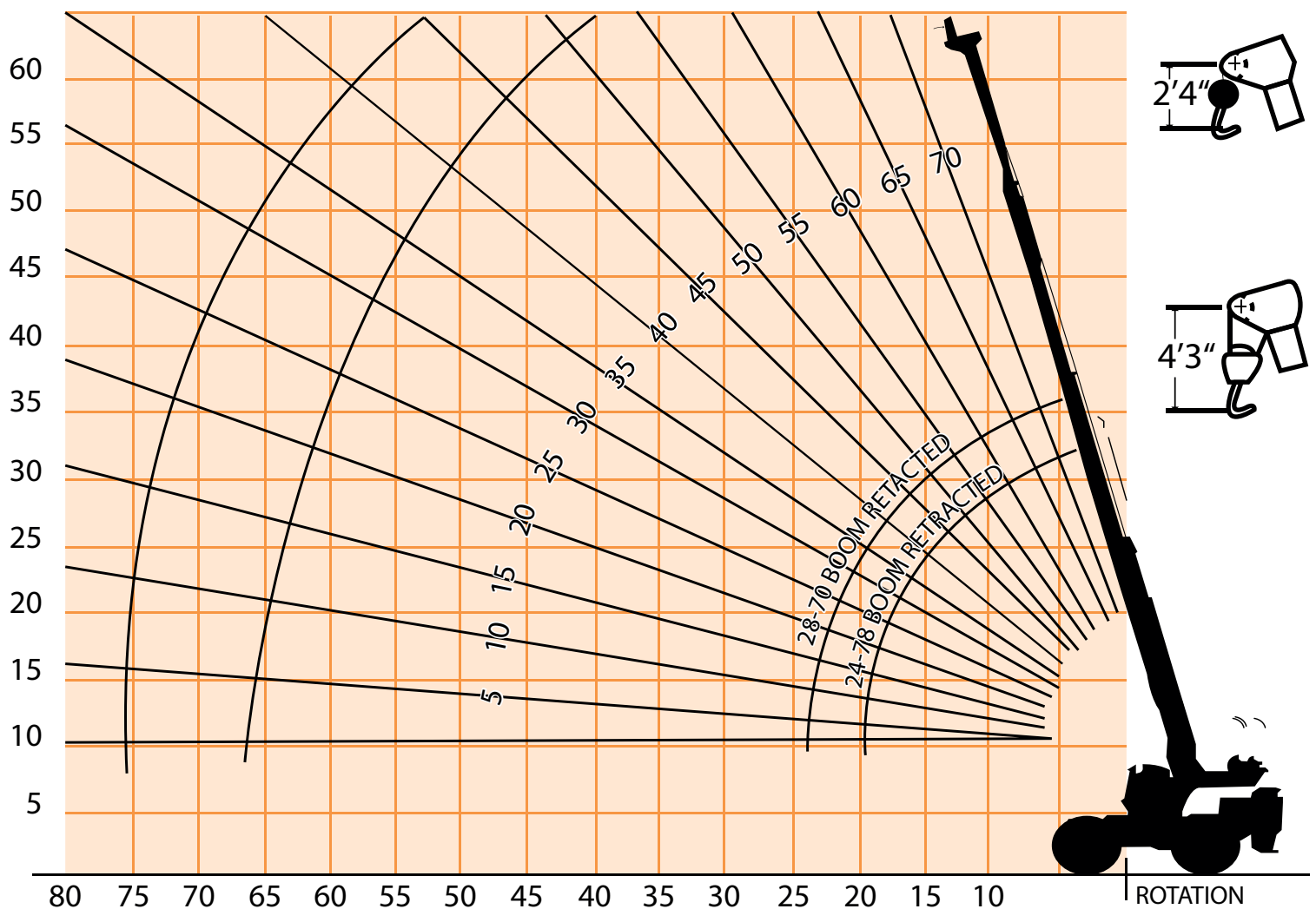
Diagrama de Elevación

Lorain LRT180

18 TON

R-18L

Altura máxima de elevación 61 Pies



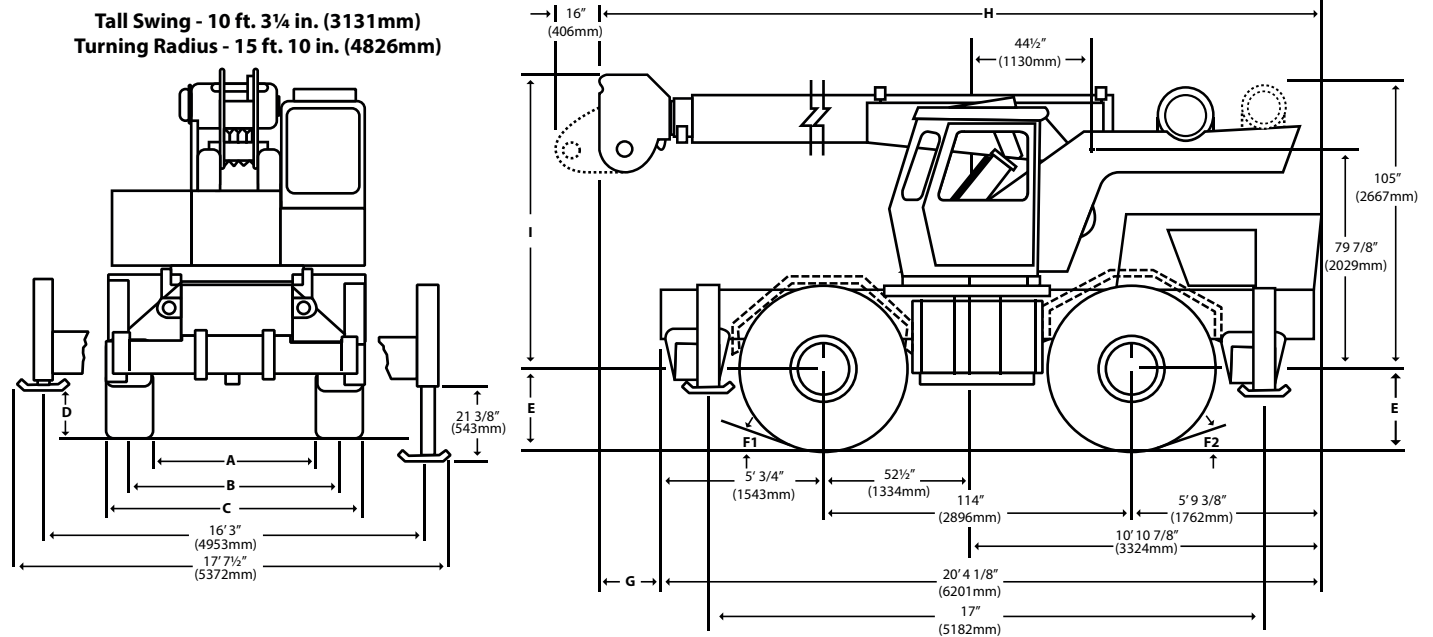
Dimensiones

Lorain LRT180

18 TON

R-18L

ALTURA MAXIMA	ANCHO MAXIMO	EXT. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.40 mts	2.40 mts	1.50 mts	5.25 mts	6.1 mts



Capacidad de Levantamiento

GROVE RT620S

20 TON

R-20A

28 ft. - 70 ft. BOOM

Radius in Feet	Boom Length in Feet							
	28	34	40	46	52	58	64	70
10	40.000	34.000	31.900	29.800				
12	32.000	31.000	30.000	29.800	27.800			
15	27.500	27.500	27.500	27.500	27.000	25.750	23.700	
20	21.250	21.250	21.000	21.000	20.750	20.500	20.400	20.250
25		15.500	15.500	15.500	15.500	15.500	15.000	15.000
30		11.700	11.700	11.700	11.700	11.700	11.700	11.700
35			8.650	8.650	8.650	8.650	8.650	8.650
40				6.650	6.650	6.650	6.650	6.650
45					5.250	5.250	5.250	5.250
50						4.250	4.250	4.250
55							3.460	3.460
60							2.760	2.760
65								2.180
66.5								1.970

PCSA CLASS
(10-67)

Radius in Feet	OVER REAR	OVER SIDE
10	30.000(a)	19.500(b)
12	24.500(b)	14.800(c)
15	16.600(c)	9.800(d)
20	10.300(e)	5.450(e)
25	6.650	3.660
30	4.850	2.300
35	3.380	1.330
40	2.680	470
45	1.525	
50	950	
55	635	

Maximun Permissible
Boom Length:

- (a) 28 ft.
- (b) 34 ft.
- (c) 46 ft.
- (d) 52 ft.
- (e) 64 ft.

23 ft. JIB		
MIN. BOOM ANGLE	NO OFFSET	MAX. OFFSET (26°)
75	6400	3100
70	5150	2850
65	4350	2650
60	3700	2450
55	3300	2275
50	2950	2170
45	2650	2125
40	2550	2085
35	2475	2040
30	2400	2000
26	2300	1950

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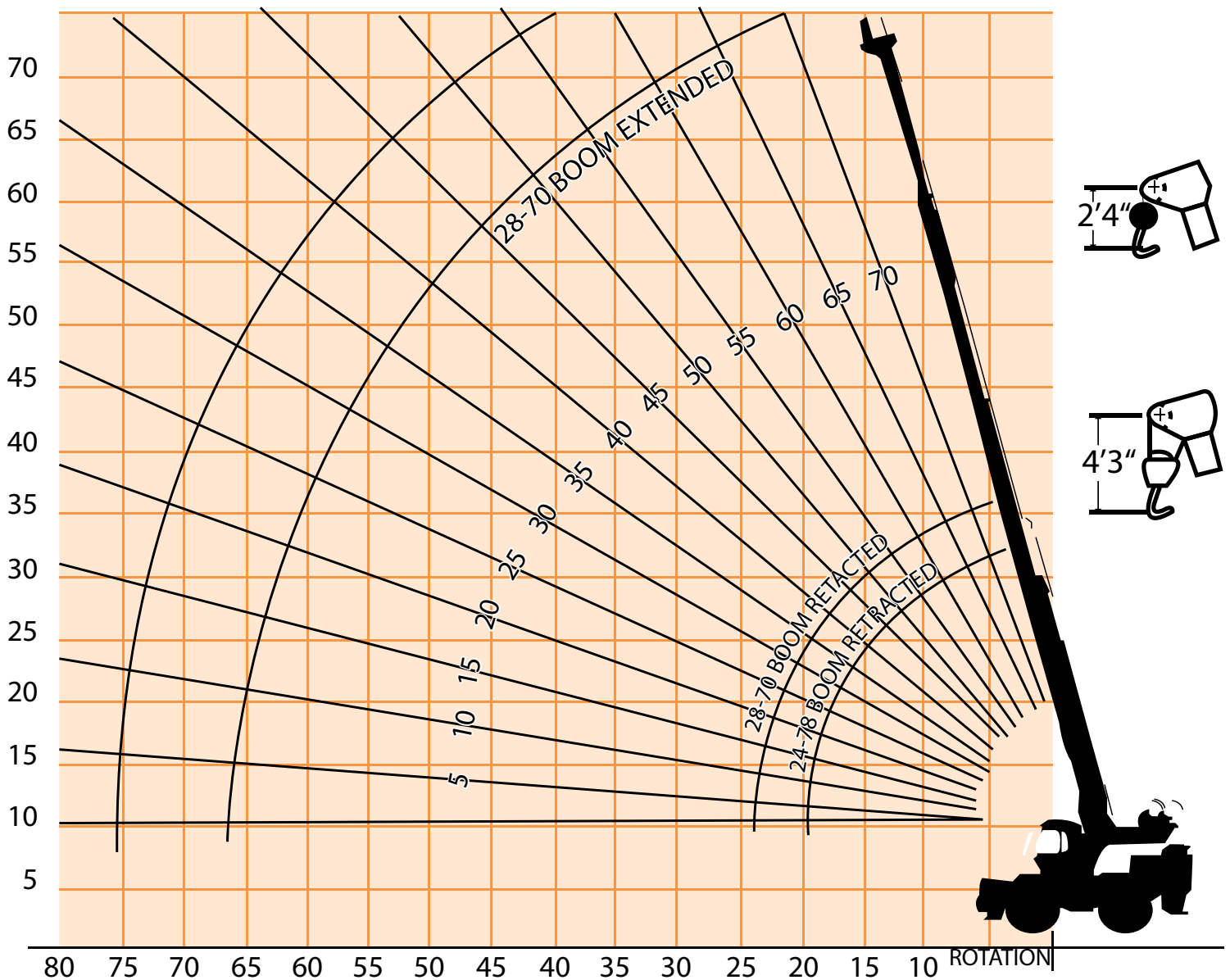
Diagrama de Elevación

GROVE RT620S

20 TON

R-20A

28 ft. - 70 ft. and 24 ft. - 78ft. BOOMS
Elevación Boom 70 Pies, elevación Jib 28 Pies, total 98 pies



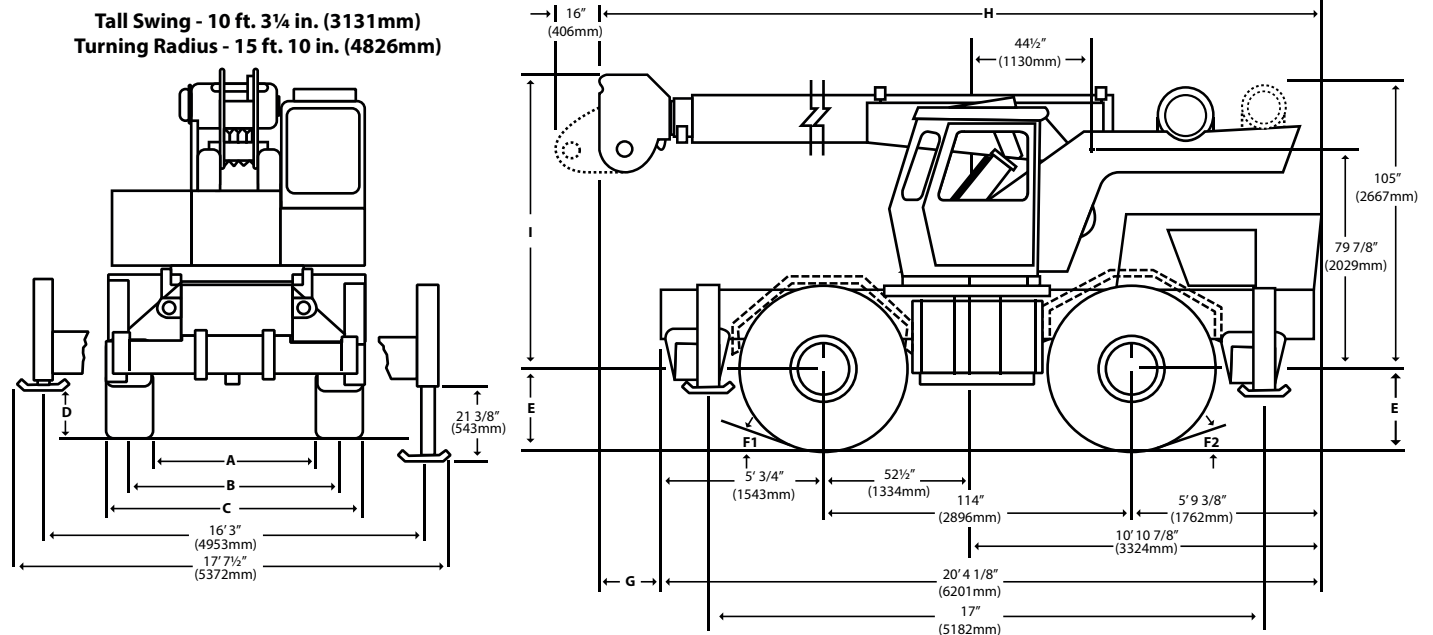
Dimensiones

GROVE RT620S

20 TON

R-20A

ALTURA MAXIMA	ANCHO MAXIMO	EXT. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.40 mts	2.40 mts	1.50 mts	5.25 mts	6.1 mts



Capacidad de Levantamiento

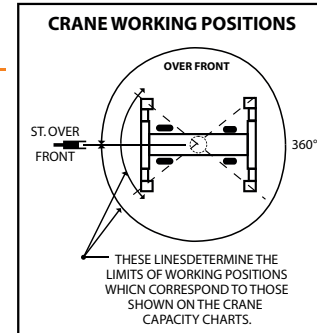
Modelo S-688B BANTAM

22 TON

R-22A

ON OUTRIGGERS OVER FRONT

RADIUS	ANGLE	Retracted		ANGLE	BOOM LENGTH 32'		ANGLE	BOOM LENGTH 39'		ANGLE	BOOM LENGTH 46'		ANGLE	BOOM LENGTH 53'		ANGLE	Extended	
		BOOM LENGTH	BOOM LENGTH		BOOM LENGTH	BOOM LENGTH		BOOM LENGTH	BOOM LENGTH		BOOM LENGTH	BOOM LENGTH						
10	57°	44.000		65°	38.000													
12	51°	36.300		61°	34.100	67°	32.700											
15	40°	31.400		55°	29.700	63°	28.300	68°	24.700									
20				43°	23.100	54°	23.200	60°	20.800	65°	18.100	69°	17.300					
25				26°	17.800	44°	17.900	52°	17.900	59°	14.800	63°	14.000					
30						31°	14.400	44°	14.500	52°	12.300	57°	11.800					
35								34°	11.900	44°	10.500	51°	10.000					
40								17°	9.700	36°	9.100	44°	8.600					
45										24°	8.000	37°	7.500					
50												27°	6.600					
55												0°	5.600					



ON TIRES ST. OVER FRONT

RADIUS	MAX ANGLE	MIN ANGLE	ALL BOOM LENGTHS	
			17.50 & 20.50 X 25	16.00 X 24
			10	70°
12	70°	50°	24.300	31.900
15	70°	44°	19.900	23.800
20	70°	19°	14.900	15.700
25	65°	0°	10.300	10.300
30	59°	0°	7.500	7.500
35	53°	0°	5.700	5.700
40	46°	0°	4.450	4.450
45	39°	0°	3.500	3.500
50	29°	0°	2.750	2.750
55	0°	0°	2.150	2.150

ON TIRES 360°

RADIUS	MAX ANGLE	MIN ANGLE	ALL BOOM LENGTHS	
			17.50 & 20.50 X 25	16.00 X 24
			10	70°
12	70°	50°	13.800	15.900
15	70°	44°	9.900	11.200
20	70°	19°	6.300	6.800
25	65°	0°	4.450	4.450
30	59°	0°	3.000	3.000
35	53°	0°	2.050	2.050
40	46°	0°	1.350	1.350

SIDE STOW JIB

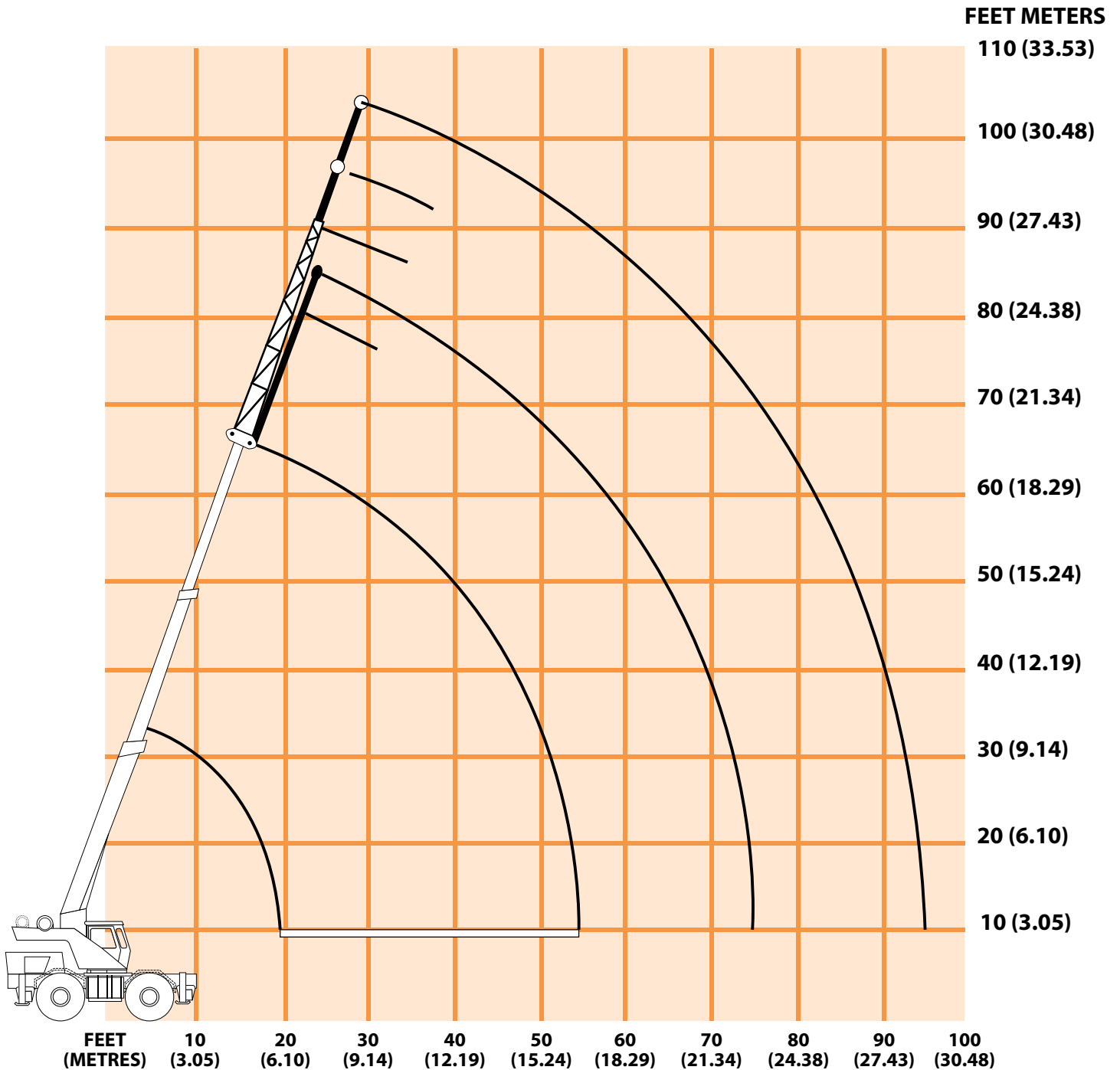
RADIUS	ANGLE	ON OUTRIGGERS 360°														
		Retracted		BOOM LENGTH 32'		BOOM LENGTH 39'		BOOM LENGTH 46'		BOOM LENGTH 53'		Extended		ANGLE	MAX BOOM & 25 JIB	
		BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH	BOOM LENGTH				
10	57°	44.000		65°	38.000											
12	51°	36.300		61°	34.100	67°	32.700									
15	40°	31.400		55°	29.700	63°	28.300	68°	24.700							
20				43°	22.900	54°	23.100	60°	20.800	65°	18.100	69°	17.300			
25				26°	17.400	44°	17.600	52°	17.800	59°	14.800	63°	14.000			
30						31°	12.800	44°	12.900	52°	12.300	57°	11.800	70°	9.500	
35								34°	9.800	44°	9.900	51°	10.000	67°	8.300	
40								17°	7.700	36°	7.800	44°	7.900	64°	7.200	
45										24°	6.300	37°	6.400	60°	6.300	
50												27°	5.200	56°	5.500	
55												0°	4.300	51°	4.800	
60													4.000	45°	4.100	
65													3.350	39°	3.400	
70													2.800	31°	2.950	
75													2.500	20°	2.450	

Diagrama de Elevación

Modelo S-688B BANTAM

22 TON

R-22A



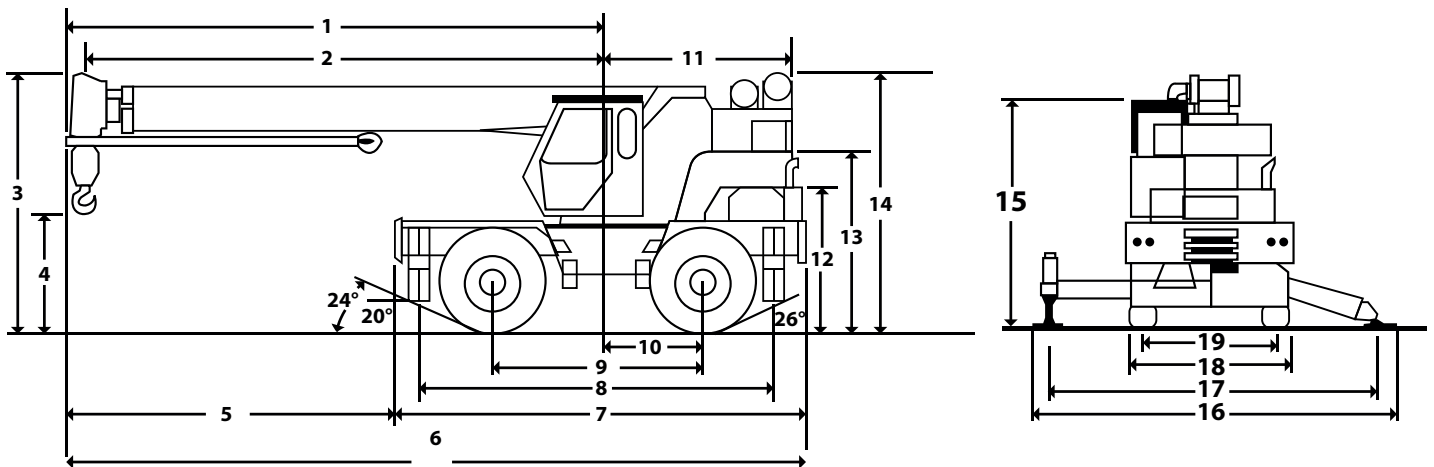
Dimensiones

Modelo S-688B BANTAM

22 TON

R-22A

ALTURA MAXIMA	ANCHO MAXIMO	EXT. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.60 mts	2.44 mts	1.50 mts	5.25 mts	6.05 mts



Capacidad de Levantamiento

Modelo Grove RT65S

35 TON

R35-J / R35-S

ON OUTRIGGERS (360°)

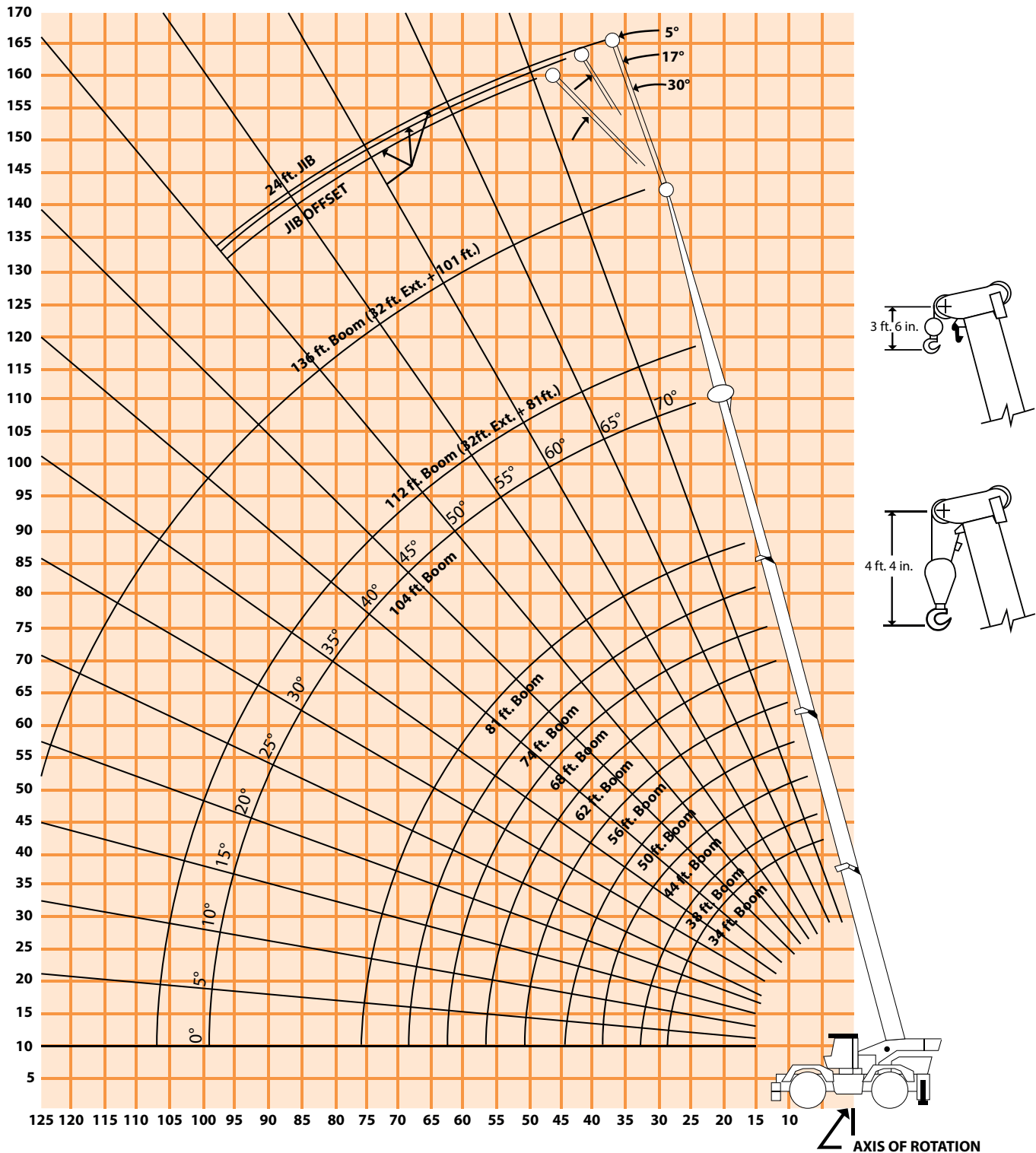
Radius in Feet	Main Boom Length in Feet Power Pinned Fly Retracted									Power Pin.Fly & 81' Main	32' Boom Ext. & 81' Main	32' Boom Ext. & 104' Main	
	34	38	44	50	56	62	68	74	81	104	112	136	
10	70.000 (63.5)	68.000 (67)	63.700 (70.5)	58.000 (73)	48.500 (75)					See Warning Note D	See Warning Note E	See Warning Note F	
12	62.000 (60)	61.000 (63.5)	57.500 (67.5)	52.300 (70.5)	48.500 (73)	43.900 (75)							
15	53.000 (53.5)	52.200 (58.5)	50.200 (63.5)	45.400 (67)	42.000 (70)	39.500 (72)	36.500 (74)	35.000 (75.5)					
20	41.800 (42)	41.700 (49)	41.000 (55.5)	37.000 (60.5)	34.100 (64)	31.900 (67)	30.200 (69.5)	28.600 (71.5)	27.200 (74)				
25	30.600 (26)	30.000 (37.5)	30.000 (47)	29.600 (53.5)	28.400 (58)	26.500 (62)	25.000 (65)	23.600 (67)	22.400 (70)	19.500 (75.5)	16.300 (75.5)		
30		24.500 (21.5)	24.500 (37)	24.500 (46)	24.300 (52)	22.500 (56.5)	21.100 (60)	19.900 (63)	19.100 (66)	16.400 (72.5)	14.650 (74)		
35			19.120 (23.5)	19.120 (37)	19.120 (45)	19.120 (50.5)	18.100 (55)	17.000 (58.5)	16.000 (62)	14.000 (69.5)	12.870 (71.5)	9.600 (75.5)	
40				14.650 (25.5)	14.650 (37)	14.650 (44)	14.650 (49.5)	14.650 (53.5)	13.800 (58)	12.100 (66.5)	11.470 (69)	7.700 (73.5)	
45					11.480 (26.5)	11.480 (36.5)	11.480 (43.5)	11.480 (48.5)	11.480 (53.5)	10.500 (63.5)	10.330 (66)	6.870 (71)	
50						9.200 (27.5)	9.200 (36.5)	9.200 (43)	9.200 (48.5)	9.270 (60.5)	9.390 (63)	6.220 (68.5)	
55							7.330 (28.5)	7.330 (36.5)	7.330 (43.5)	8.180 (57)	8.600 (60)	5.650 (66.5)	
60								5.870 (16.5)	5.870 (29)	5.870 (37.5)	7.250 (53.5)	7.920 (57)	5.110 (64)
65									4.560 (19)	4.560 (31)	6.340 (50)	6.790 (54)	4.700 (61.5)
70										3.380 (22.5)	5.280 (46)	5.660 (50.5)	4.320 (59)
75											4.380 (42)	4.700 (47)	4.000 (56.5)
80											3.620 (37)	3.880 (43)	3.690 (54)
85											2.950 (32)	3.170 (39)	3.390 (51)
90											2.370 (25.5)	2.550 (34.5)	3.090 (48)
95											1.860 (17)	2.010 (29)	2.650 (45)
100												1.520 (23.5)	2.150 (42)
105												1.020 (16)	1.700 (38.5)
110													1.700 (38.5)

Diagrama de Elevación

Modelo Grove RT65S

35 TON

R35-J / R35-S



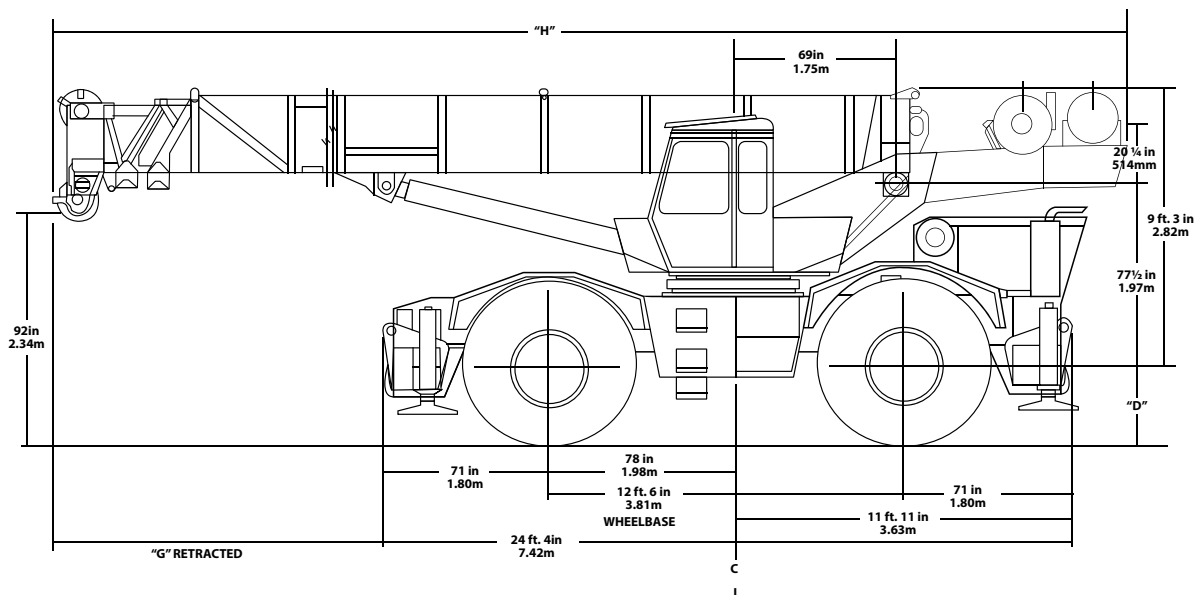
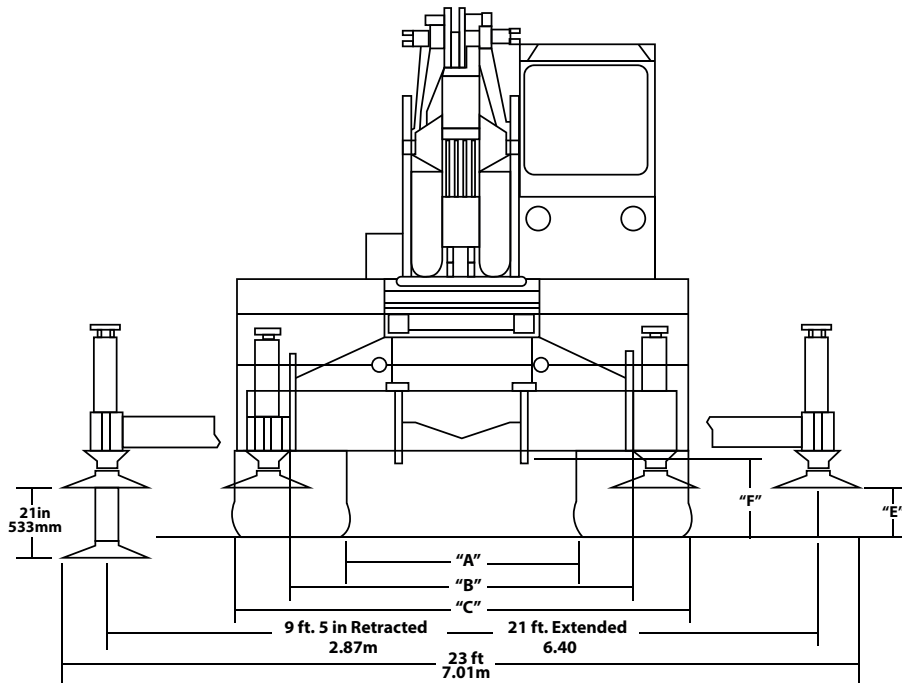
Dimensiones

Modelo Grove RT65S

35 TON

R35-J / R35-S

ALTURA MAX.	ANCHO MAX.	EXT ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX.
3.65 mts	3.30 mts	1.70 mts	7.10 mts	7.56 mts



Capacidad de Levantamiento

Modelo Grove RT740

40 TON

R40-A

ON OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	Main boom Length in Feet										Power Pin, Fly & 81ft.	32 ft. Ext. & 81ft.	32 ft. Ext. & 81ft.
	34	38	44	50	56	62	68	74	81	104			
10	80.000 (63.5)	73.750 (67)	69.950 (70.5)	68.200 (73)	63.350 (75)								
12	75.000 (60)	73.750 (63.5)	66.700 (67.5)	61.600 (70.5)	57.150 (73)	53.750 (75)							
15	62.000 (53.5)	62.000 (58.5)	58.050 (63.5)	54.000 (67)	51.000 (70)	46.650 (72)	43.850 (74)	40.850 (75.5)					
20	47.300 (42)	47.300 (49)	47.300 (55.5)	43.950 (60.5)	40.550 (64)	38.000 (67)	35.700 (69.5)	33.100 (71.5)	30.000 (74)				
25	36.000 (26)	36.000 (37.5)	36.000 (47)	36.000 (53.5)	34.050 (58)	31.800 (62)	29.900 (65)	27.600 (67)	25.200 (70)	21.800 (75.5)	17.500 (75.5)		
30		29.000 (21.5)	29.000 (37)	29.000 (46)	29.000 (52)	27.100 (56.5)	25.600 (60)	23.500 (63)	21.500 (66)	18.800 (72.5)	15.000 (74)		
35			23.800 (23.5)	23.800 (37)	23.800 (45)	23.500 (50.5)	22.250 (55)	20.350 (58.5)	18.650 (62)	16.400 (69.5)	13.200 (71.5)	10.050 (75.5)	
40				19.200 (25.5)	19.200 (37)	19.200 (44)	19.200 (49.4)	17.800 (53.5)	16.200 (58)	14.500 (66.5)	12.300 (69)	9.010 (73.5)	
45					15.900 (26.5)	15.900 (36.5)	15.900 (43.5)	15.750 (48.5)	14.250 (53.5)	12.750 (63.5)	11.400 (66)	8.120 (71)	
50					13.150 (8)	13.150 (27.5)	13.150 (36.5)	13.150 (43)	12.600 (48.5)	11.300 (60.5)	10.200 (63)	7.370 (68.5)	
55						11.200 (13)	11.200 (28.5)	11.200 (36.5)	11.200 (43.5)	10.000 (57)	9.110 (60)	6.710 (66.5)	
60							9.560 (16.5)	9.560 (29)	9.560 (37.5)	9.060 (53.5)	8.200 (57)	6.150 (64)	
65								8.000 (19)	8.000 (31)	8.150 (50)	7.400 (54)	5.660 (61.5)	
70									6.670 (22.5)	7.360 (46)	6.700 (50.5)	5.230 (59)	
75										6.660 (42)	6.120 (47)	4.850 (56.5)	
80										6.040 (37)	5.600 (43)	4.500 (54)	
85										5.380 (32)	5.060 (39)	4.200 (51)	
90										4.450 (25.5)	4.500 (34.5)	3.900 (48)	
95										3.580 (17)	3.890 (29)	3.600 (45)	
100											3.260 (23.5)	3.300 (42)	
105											2.350 (16)	2.990 (38.5)	
110												2.700 (34.5)	
115												2.420 (30)	
120												2.160 (25)	
125												1.780 (18.5)	

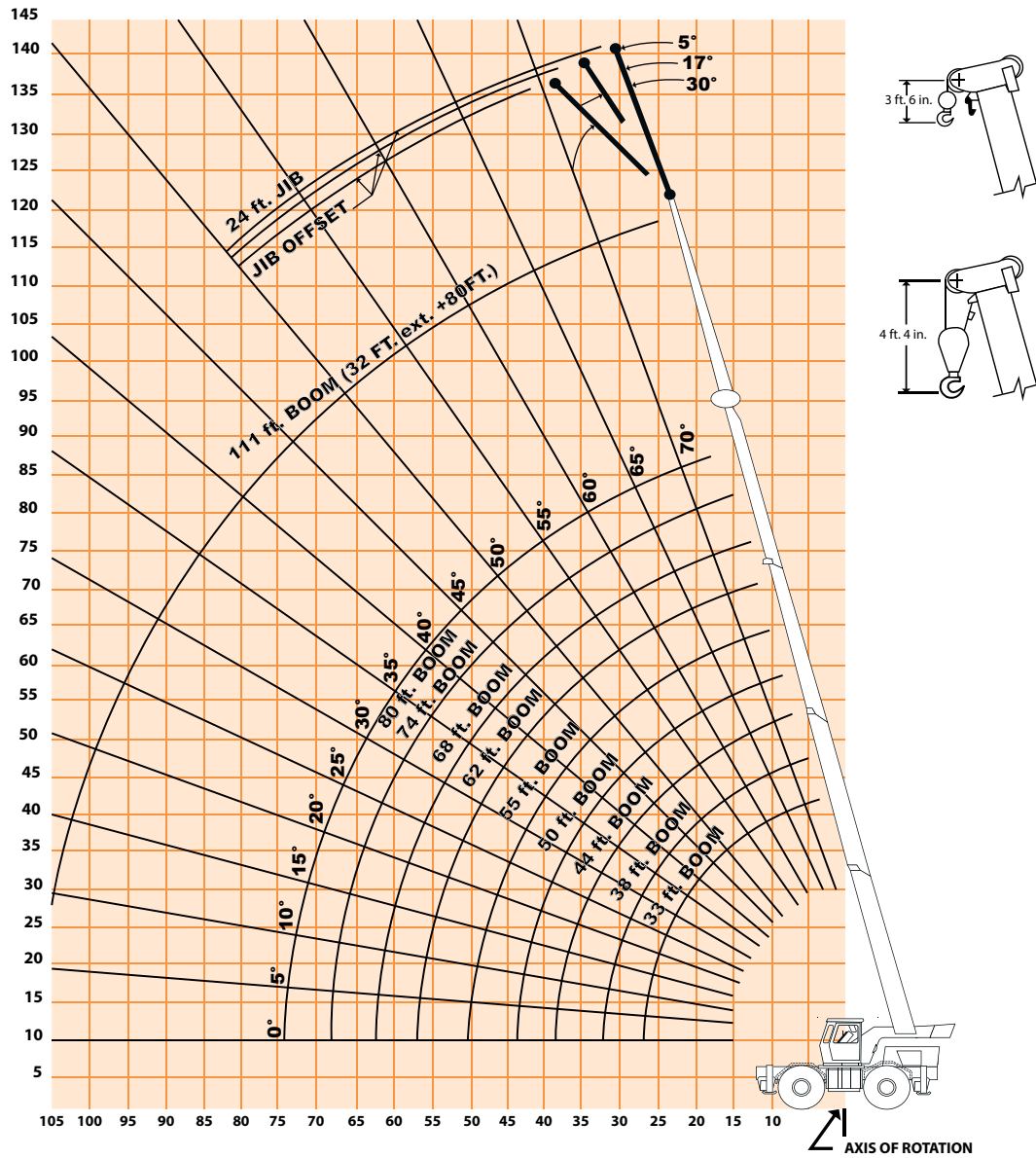
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Diagrama de Elevación

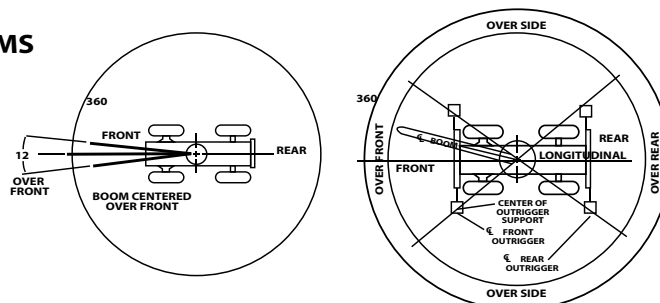
Modelo Grove RT740

40 TON

R40-A



LIFTING AREA DIAGRAMS



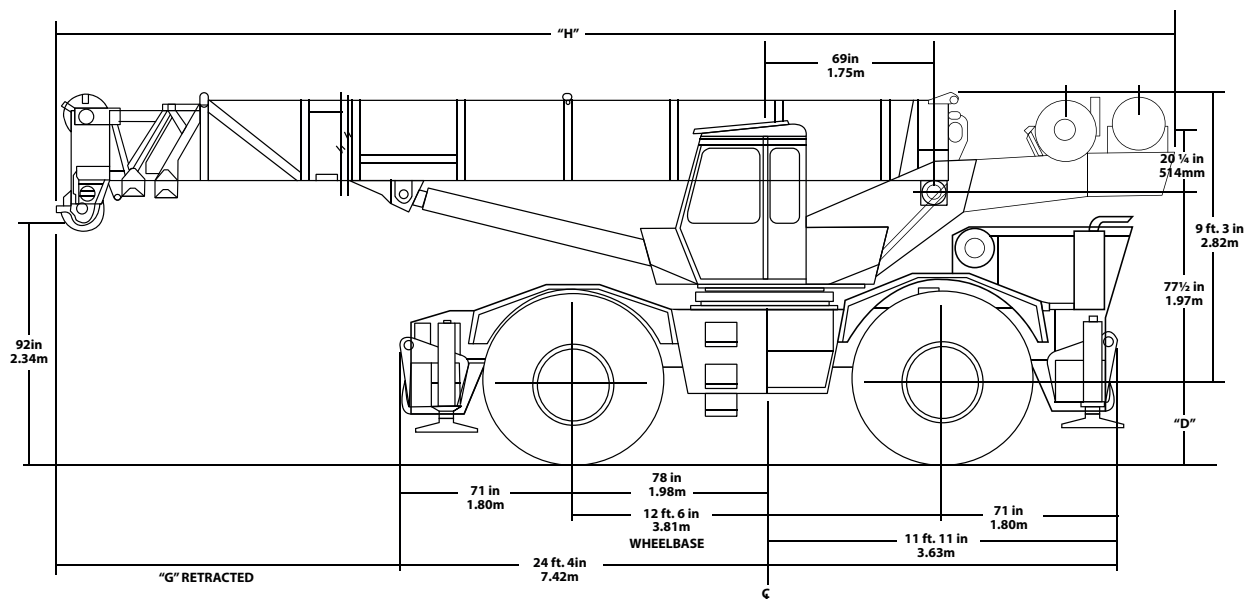
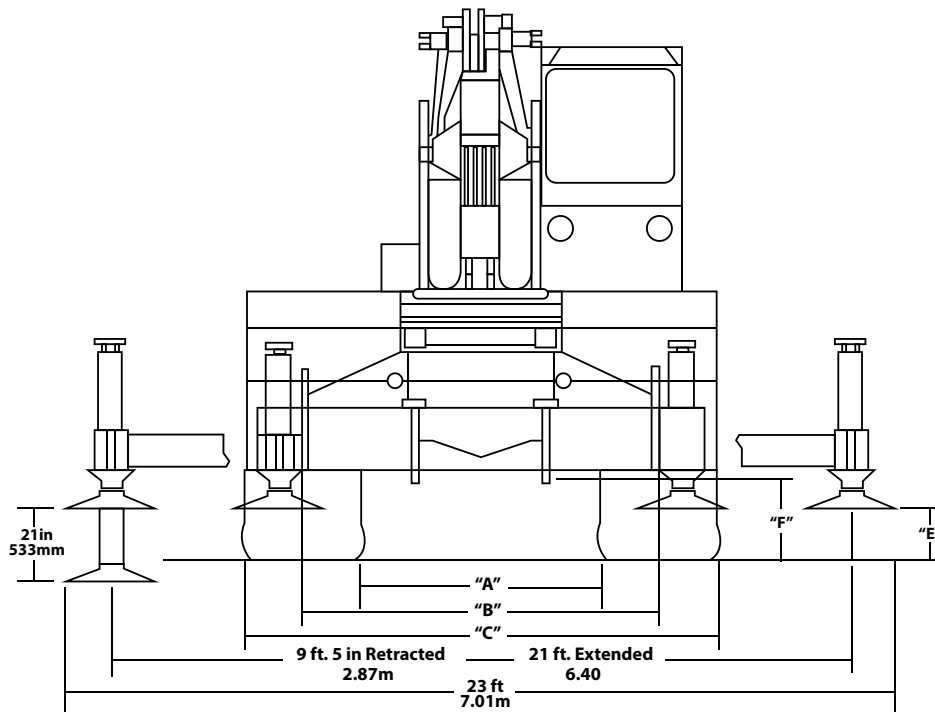
Dimensiones

Modelo Grove RT740

40 TON

R40-A

ALTURA MÁXIMA	ANCHO MAXIMO	EXP. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
3.70 mts	3.30mts	1.70 mts	7.10 mts	7.60 mts





Grúas TM

Sobre Camión

Capacidad de levantamiento • Diagramas • Dimensiones

Capacidad de Levantamiento

GROVE TMS180

18 TON

R-18A / R-18S

OVER SIDE 28-70ft. BOOM

BOOM LENGTH IN FEET								
Radius in Feet	28	34	40	46	52	58	64	70
10	36.000	34.000	31.900	29.800				
12	32.000	31.000	30.000	29.800	27.800			
15	27.000	27.000	27.000	27.000	27.000	25.750	23.700	
20	21.250	21.250	21.000	21.000	20.750	20.500	20.400	20.250
25		16.500	16.500	16.200	15.900	15.600	15.300	15.000
30		11.850	11.850	11.850	11.850	11.850	11.850	11.700
35			8.900	8.900	8.900	8.900	8.900	8.900
40				6.900	6.900	6.900	6.900	6.900
45					5.600	5.600	5.600	5.600
50						4.500	4.500	4.500
55							3.600	3.600
60								2.900
65								2.300
66.5								2.100

OVER REAR 28-70ft. BOOM

BOOM LENGTH IN FEET								
Radius in Feet	28	34	40	46	52	58	64	70
10	36.000	34.000	31.900	29.800				
12	32.000	31.000	30.000	29.800	27.800			
15	27.000	27.000	27.000	27.000	27.000	25.750	23.700	
20	21.250	21.250	21.000	21.000	20.750	20.500	20.400	20.250
25		16.500	16.500	16.200	15.900	15.600	15.300	15.000
30		12.250	12.250	12.250	12.250	12.100	11.900	11.700
35			9.250	9.250	9.250	9.250	9.250	9.250
40				7.400	7.400	7.400	7.400	7.400
45					6.000	6.000	6.000	6.000
50						4.900	4.900	4.900
55							3.950	3.950
60								3.200
65								2.550
66.5								2.350

ON RUBBER

28-70 ft. BOOM		
Radius in Feet	OVER REAR	OVER SIDE
10		15.750(a)
12	18.000(a)	11.450(b)
15	13.075(b)	7.800(c)
20	7.600(c)	4.425
25	5.250(d)	2.475
30	3.775	1.250
35	2.650	550
40	1.825	
45	1.200	
50	680	

ON RUBBER

28-70 ft. BOOM		
Radius in Feet	OVER REAR	OVER SIDE
10		15.000(a)
12	17.125(a)	11.800(b)
15	12.100(b)	7.050(c)
20	7.150(c)	3.575
25	4.800(d)	1.825
30	3.200	650
35	2.050	
40	1.175	
45	550	

24ft. JIB for 28-70 ft. Boom

MIN BOOM ANGLE	NO OFFSET	MAX OFFSET (26°)
75	6400	3100
70	5150	2850
65	43500	2650
60	3700	2450
55	3300	2275
50	2950	2170
45	2650	2125
40	2550	2085
35	2475	2040
30	2400	2000
26	2300	1950

LIFTING AREA DIAGRAMS

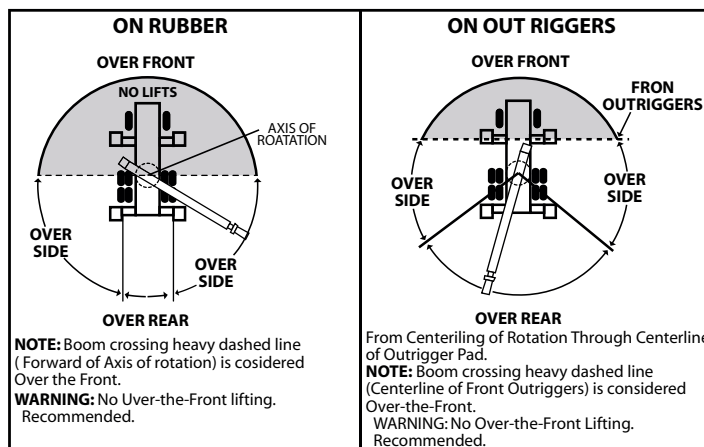


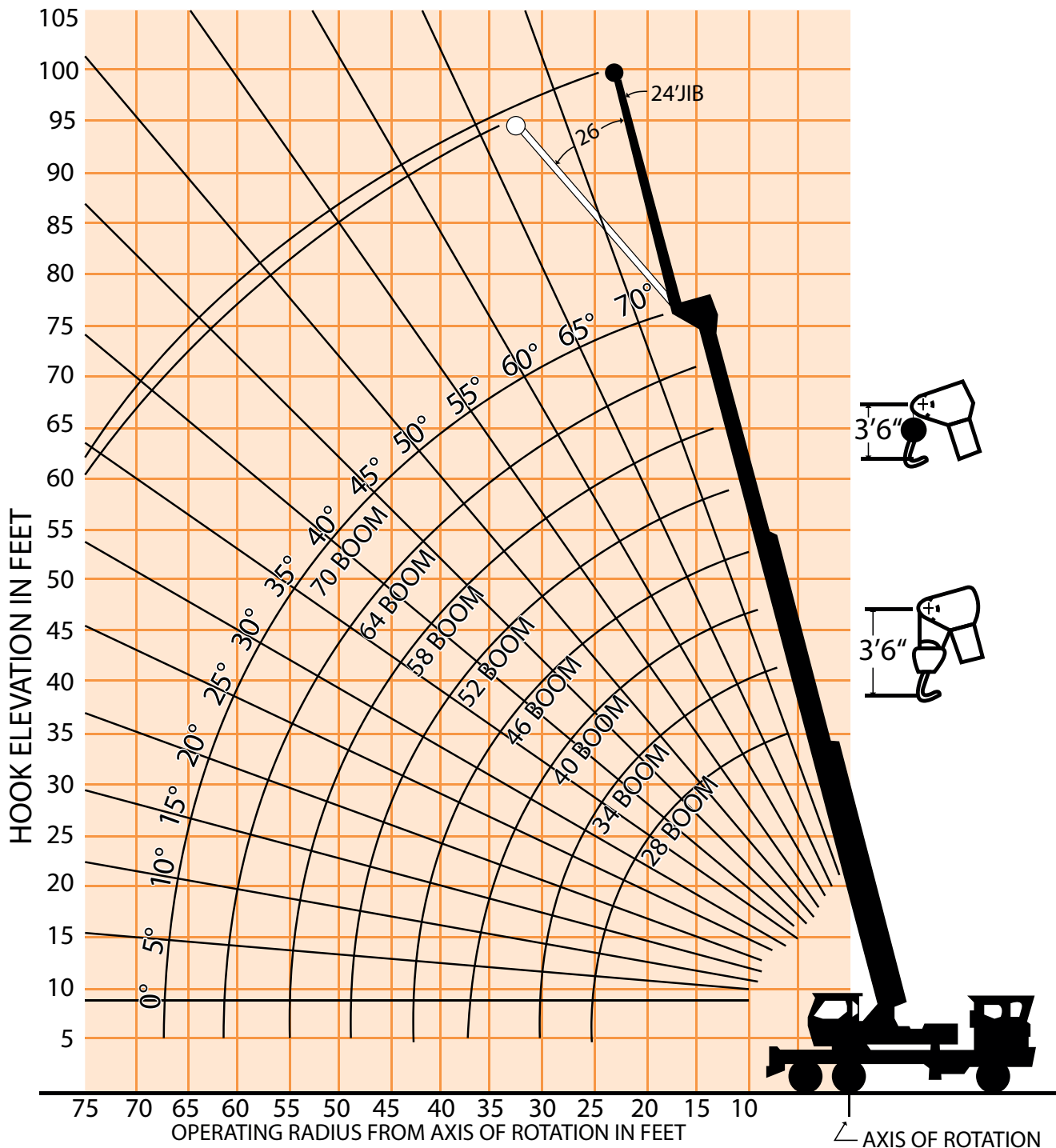
Diagrama de Elevación

GROVE TMS180

18 TON

R-18A / R-18S

28 ft. - 70 ft. BOOM



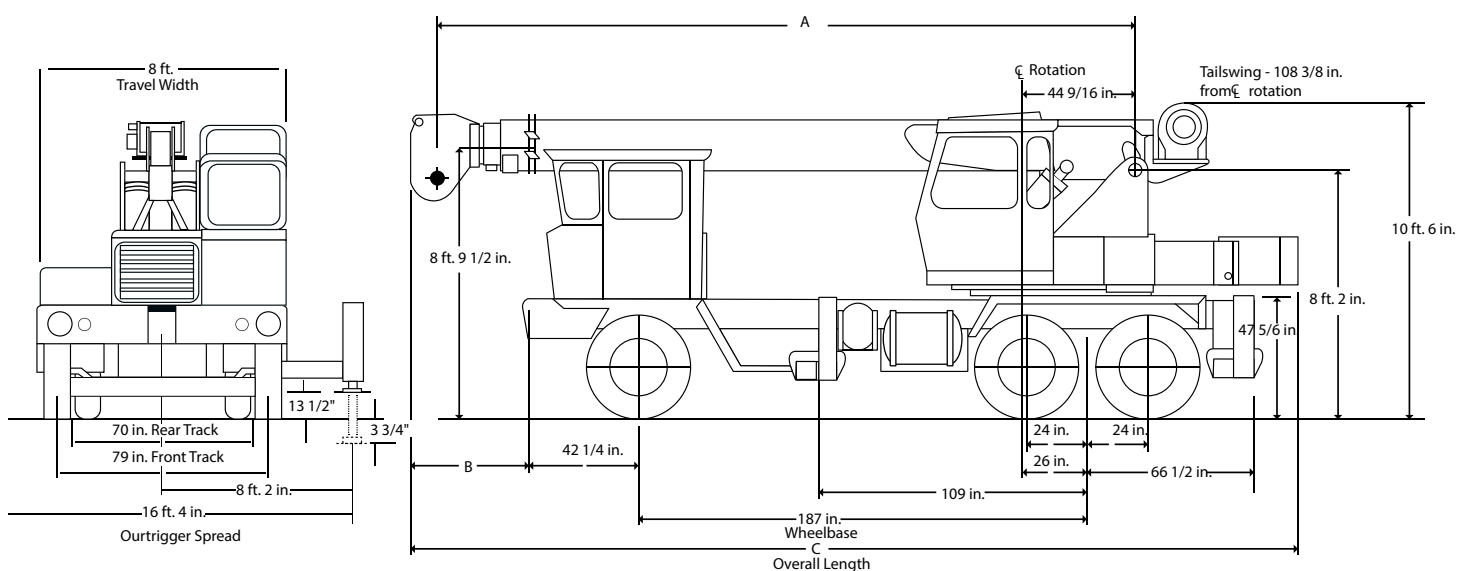
Dimensiones

GROVE TMS180

18 TON

R-18A / R-18S

ALTURA MÁXIMA	ANCHO MÁXIMO	EXP. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MÁX X
3.20 mts	2.44 mts	1.27 mts	4.46 mts	7.87 mts



*DENOTES OPTIONAL EQUIPMENT

CONSTANT IMPROVEMENT AND ENGINEERING PROGRESS MAKE IT NECESSARY THAT WE RESERVE THE RIGHT TO MAKE SPECIFICATION, EQUIPMENT AND PRICE CHANGES WITHOUT NOTICE.

BOOM	A	B	C
28 ft. - 70 ft.	27 ft. - 7 1/2 in.	7 ft. - 8 in.	33 ft. 5-7/16 in.
24 ft. - 78 ft.	24 ft. - 2 in.	4 ft. - 2 1/2 in.	29 ft. 11-13/16 in.

Capacidad de Levantamiento

Modelo TM275 LP GROVE

30 TON

R30-A

RADIUS IN FEET	MANUAL FLY SECTION RETRACTED								MANUAL FLY ESTENDED
	BOOM LENGTH IN FEET								
	32	38	44	50	56	62	68	71	92
12	60000	50000	45500	42500	40000				
15	46500	42000	40000	37000	34500	28000	26000	26000	26000
20	34000	32500	31000	29500	28000	25500	22000	20000	12000
25	23000	22300	21700	21100	20000	19000	18000	17000	11500
30		16300	16300	16300	16150	16000	15500	15000	11000
40			11000	11000	10500	10000	10000	10000	9300
50					6700	6600	6500	6500	6500
60							4100	4100	4100
70									3300
80									2300
88									1500

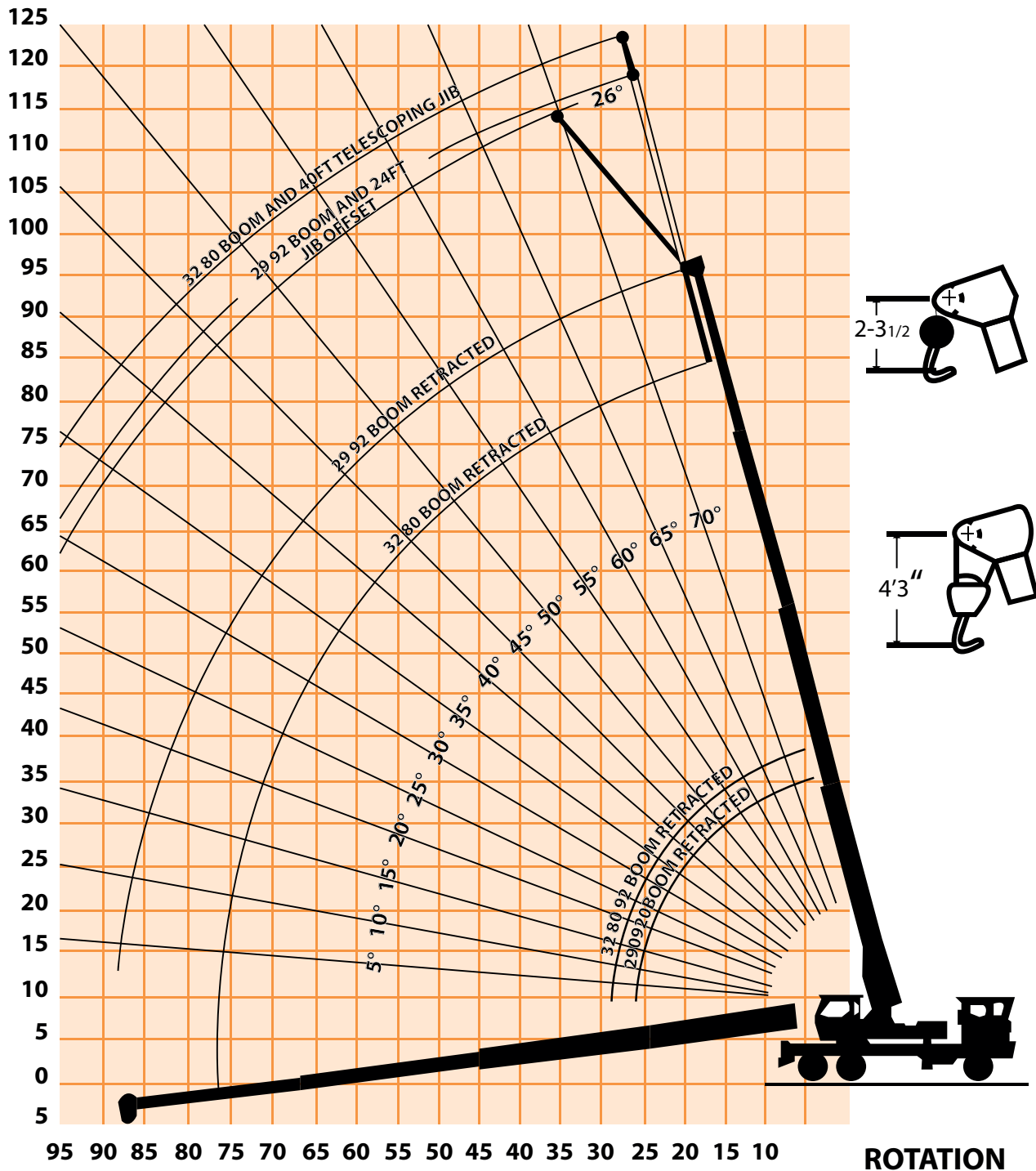
MIN.		
BOOM	NO	26
ANGLE	OFFSET	OFFSET
75°	4.400	2.150
70	4.150	2.000
65	3.875	1.825
60	3.600	1.725
55	3.350	1.575
50	3.075	1.475
45	2.800	1.350
40	2.525	1.175
35	2.250	1.075
30	1.975	950
25	1.700	8.00

Diagrama de Elevación

Modelo TM275 LP GROVE

30 TON

R30-A



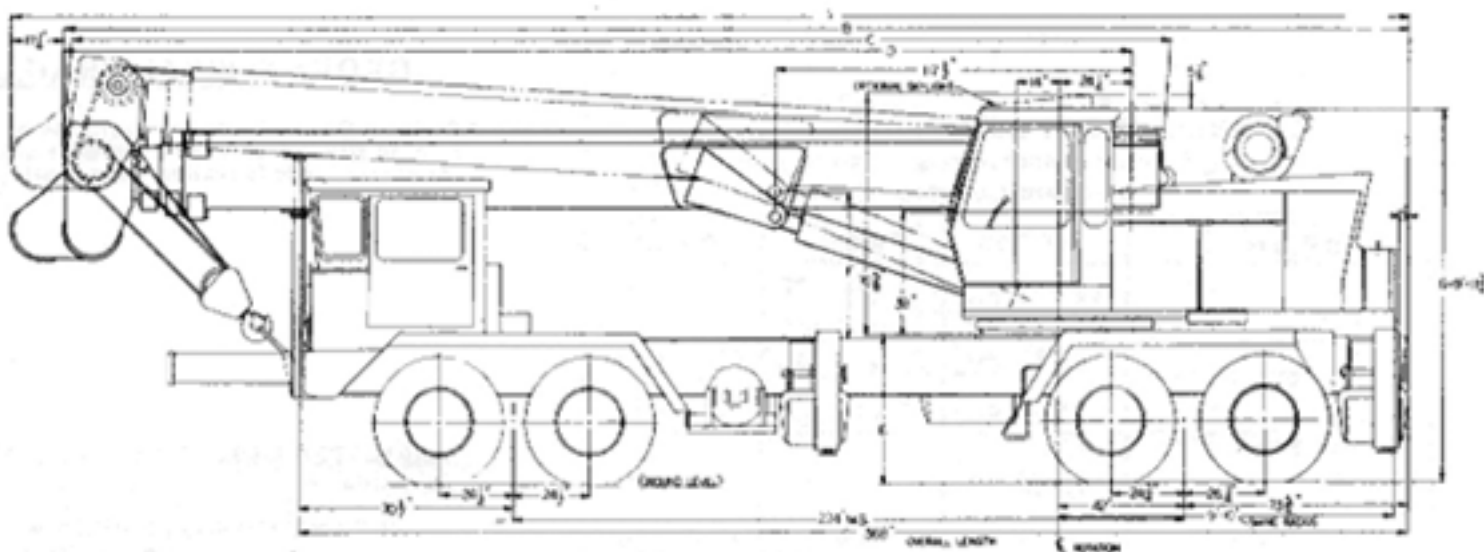
Dimensiones

Modelo TM275 LP GROVE

30 TON

R30-A

ALTURA MAX.	ANCHO MAX.	EXT ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX.
3.65 mts	2.44 mts	1.50 mts	5.50 mts	9.50 mts



Capacidad de Levantamiento

Modelo TMS300LP

35 TON

R35-T

ON OUTRIGGERS FULLY EXTENDED - OVER REAR

Radius in Feet	Boom Length In Feet Power Pinned Fly Retracted									Power Pin.Fly & 81ft.	32 ft. Ext. & 104 ft.
	34	38	44	50	56	62	68	74	81	*104	*136
10	70.000	68.000	64.000	60.000							
12	65.000	62.500	57.500	54.000	51.000	49.000					
15	57.000	55.000	50.000	46.500	43.900	41.900	40.000	38.600			
20	47.000	43.000	39.500	36.500	34.500	32.700	31.400	30.000	28.700		
25	35.675	33.300	31.000	30.000	28.100	26.500	25.300	24.200	23.100	20.000	
30	25.200	25.200	25.200	25.200	23.500	22.100	21.000	20.000	19.000	17.750	
35			19.340	19.340	19.340	18.700	17.700	16.800	16.00	15.600	9.600
40			15.190	15.190	15.190	15.190	15.910	14.400	13.600	13.100	8.750
45				12.310	12.310	12.310	12.310	12.310	11.700	11.300	7.900
50					10.000	10.000	10.000	10.000	10.000	9.930	7.050
55						8.180	8.180	8.180	8.180	8.710	6.350
60							6.650	6.650	6.650	7.680	5.800
65								5.280	5.280	6.800	5.200
70									4.140	5.990	4.750
75										3.320	4.350
80											4.060
85											3.290
90											2.730
95											2.210
100											1.680
105											
110											2.080
115											1.700
120											1.340
											1.010

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Capacidad de Levantamiento

Modelo TMS300LP

35 TON

R35-T

ON OUTRIGGERS FULLY EXTENDED - OVER SIDE

Radius in Feet	Boom Length In Feet Power Pinned Fly Retracted									Power Pin.Fly & 81ft.	32 ft. Ext. & 104 ft.
	34	38	44	50	56	62	68	74	81	*104	*136
10	70.000	68.000	64.000	60.000							
12	65.000	62.500	57.500	54.000	51.000	49.000					
15	57.000	55.000	50.000	46.500	43.900	41.900	40.000	38.600			
20	46.890	43.000	39.500	36.500	34.500	32.700	31.400	30.000	28.700		
25	29.450	29.450	29.450	29.450	28.100	26.500	25.300	24.200	23.100	20.000	
30	20.560	20.560	20.560	20.560	20.560	20.560	20.560	20.000	19.000	17.750	
35			15.450	15.450	15.450	15.450	15.450	15.450	15.450	15.600	9.600
40			11.410	11.410	11.410	11.410	11.410	11.410	11.410	13.100	8.750
45				8.450	8.450	8.450	8.450	8.450	8.450	10.990	7.900
50					6.630	6.630	6.630	6.630	6.630	8.750	7.050
55						5.280	5.280	5.280	5.280	7.130	6.350
60							4.090	4.090	4.090	5.650	5.800
65								3.060	3.060	4.500	5.190
70									2.150	3.600	4.440
75										1.300	3.690
80											2.150
85											1.550
90											1.020
95											
100											

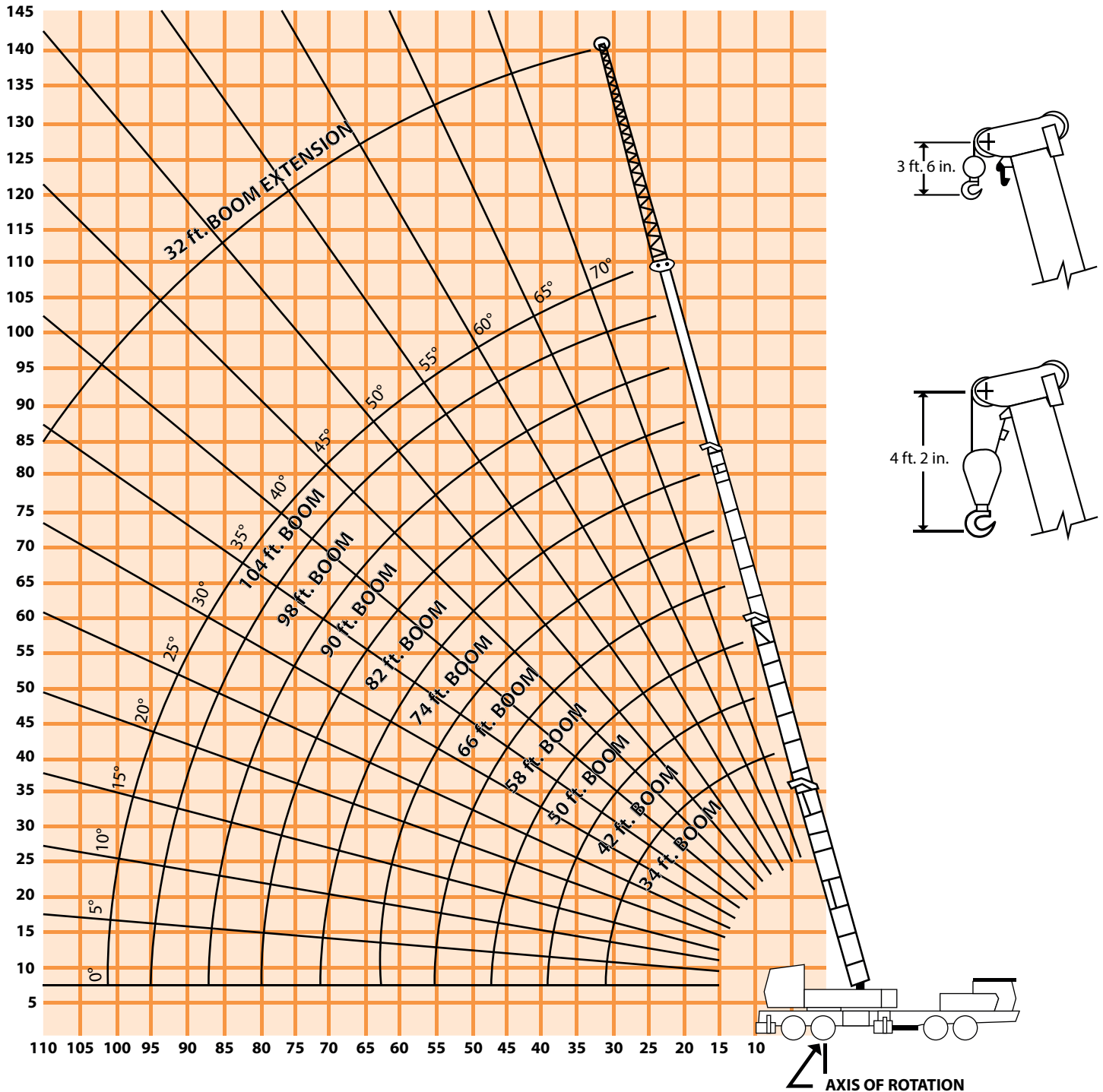
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Diagrama de Elevación

Modelo TMS300LP

35 TON

R35-T



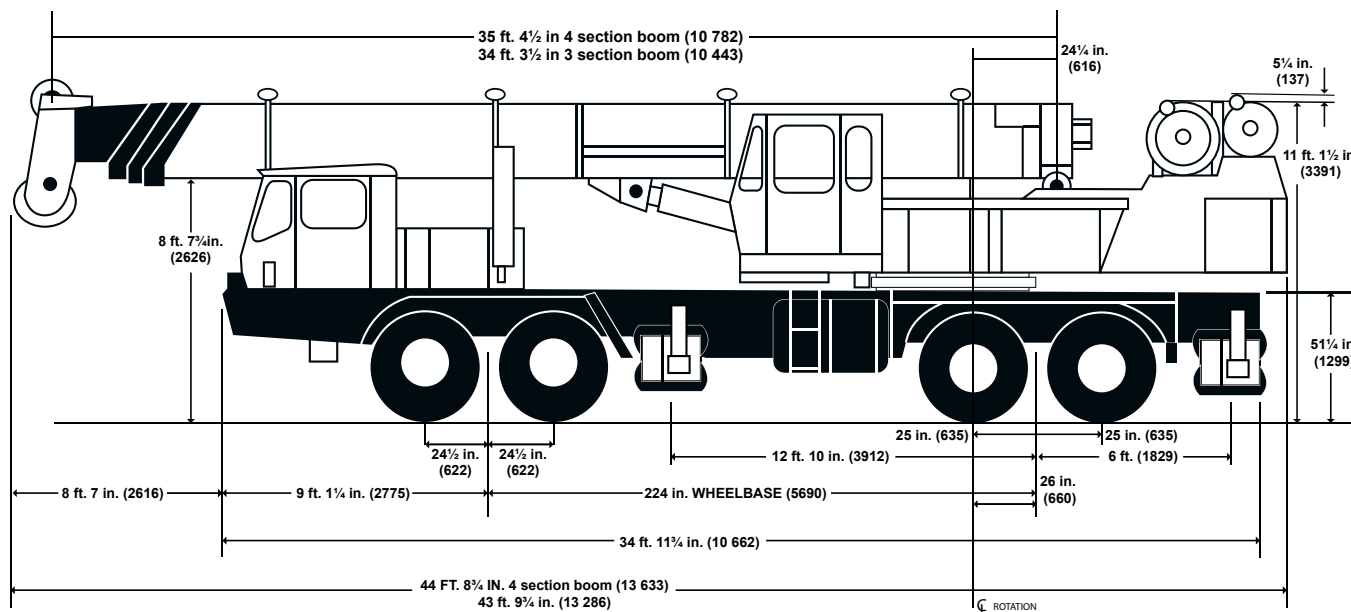
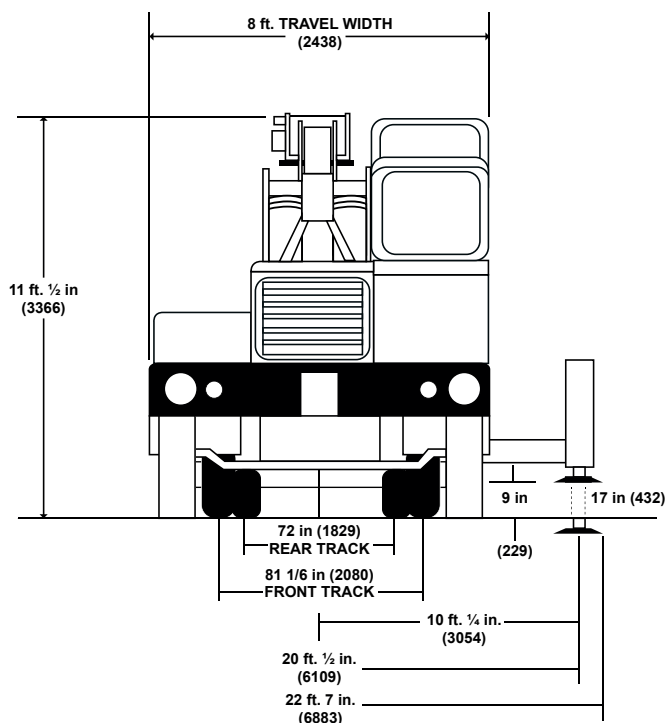
Dimensiones

Modelo TMS300LP

35 TON

R35-T

ALTURA MAX.	ANCHO MAX.	EXT. ESTABILIZADORES	ESTABILIZADORES RANGO COMPLETO	LARGO MAX.
3.40 mts	2.44 mts	1.70 mts	5.85 mts	10.90 mts



Capacidad de Levantamiento

Modelo TMS475

50 TON

R50-A

34 ft. - 116 ft. BOOM
ON OUTRIGGERS FULLY EXTENDED - OVER SIDE

Radius in Feet	Boom Length in Feet							Power Pin. Fly & 85 ft.	84 ft. + 32 ft. Ext. 5	32 ft. Ext. & 110 ft
	*35	40	45	55	65	75	85	110	**117	142
10	100.000 (71)	74.000 (73.5)	72.000 (75.5)							
12	90.000 (67.5)	70.000 (70.5)	67.500 (73)	64.000 (76.5)						
15	72.000 (62.5)	63.700 (66)	61.000 (69)	55.000 (73)	44.700 (76)					
20	53.000 (52.5)	52.200 (57.5)	49.800 (62)	44.000 (67.5)	37.900 (71)	35.000 (74)	31.000 (76.5)			
25	39.150 (41.5)	39.150 (48.5)	39.150 (54)	36.300 (61.5)	31.900 (66)	29.200 (70)	27.500 (73)	20.000 (77)	17.500 (76.5)	
30	27.300 (26)	27.300 (38)	27.300 (46)	27.300 (55.5)	27.000 (61.5)	25.000 (66)	23.900 (69)	17.700 (75)	16.440 (74.5)	
35		20.900 (23.5)	20.900 (36)	20.900 (49)	20.900 (56.5)	20.900 (61.5)	20.500 (65.5)	15.200 (72.5)	14.100 (72)	9.600 (77)
40			16.850 (22)	16.850 (41.5)	16.850 (51)	16.850 (57)	16.850 (61.5)	13.200 (69.5)	12.400 (70)	8.340 (74.5)
45				13.430 (32.5)	13.430 (45)	13.430 (52)	13.430 (57.5)	11.600 (66.5)	11.100 (67)	7.540 (72.5)
50				10.920 (20)	10.920 (38)	10.920 (47.5)	10.920 (53.5)	10.300 (63.5)	10.000 (64.5)	6.830 (70.5)
55					8.930 (30)	8.930 (42)	8.930 (49)	9.200 (60.5)	9.130 (61.5)	6.240 (68)
60					7.330 (18.5)	7.330 (35.5)	7.330 (44.5)	8.250 (57.5)	8.380 (59)	5.710 (66)
65						5.870 (28)	5.870 (39.5)	7.420 (54.5)	7.680 (56)	5.240 (63.5)
70						4.530 (17.5)	4.530 (33.5)	6.360 (51)	6.400 (53)	4.800 (61.5)
75							3.360 (26.5)	5.290 (47.5)	5.320 (49.5)	4.420 (59)
80							2.260 (16.5)	4.350 (43.5)	4.460 (46)	4.070 (56.5)
85								3.650 (39.5)	3.710 (42.5)	3.740 (54)
90								3.020 (35)	3.040 (38.5)	3.440 (51.5)
95								2.460 (30)	2.500 (34.5)	3.160 (49)
100								1.900 (29.5)	2.070 (30)	2.620 (46)
105								1.430 (15)	1.720 (24.5)	2.120 (43)
110									1.500 (17)	1.730 (39.5)
115										1.380 (36.5)
120										1.040 (32.5)

A6-829-002754 & -002760

Capacidad de Levantamiento

Modelo TMS475

50 TON

R50-A

ON OUTRIGGERS FULLY EXTENDED - OVER REAR

Radius in Feet	Boom Length in Feet							Power Pin. Fly & 85 ft.	84 ft. + 32 ft. Ext.	32 ft. Ext. & 110 ft.
	*34	40	45	55	65	75	85			
10	100.000 (71)	74.000 (73.5)	72.000 (75.5)							
12	90.000 (67.5)	70.000 (70.5)	67.500 (73)	64.000 (76.5)						
15	72.000 (62.5)	63.700 (66)	61.000 (69)	55.000 (73)	44.700 (76)					
20	53.000 (52.5)	52.200 (57.5)	49.800 (62)	44.000 (67.5)	37.900 (71.5)	35.000 (74)	31.000 (76.5)			
25	38.630 (41.5)	38.630 (48.5)	38.630 (54)	36.300 (61.5)	31.900 (66)	29.200 (70)	27.500 (73)	20.000 (77)	17.500 (76.5)	
30	27.010 (26)	27.010 (38)	27.010 (46)	27.010 (55.5)	27.000 (61.5)	25.000 (66)	23.900 (69)	17.700 (75)	16.400 (74.5)	
35		19.610 (23.5)	19.610 (36)	19.610 (49)	19.610 (56.5)	19.610 (61.5)	19.610 (65.5)	15.200 (72.5)	14.100 (72)	9.600 (77)
40			14.790 (22)	14.790 (41.5)	14.790 (51)	14.790 (57)	14.790 (61.5)	13.200 (69.5)	12.400 (69.5)	8.340 (74.5)
45				11.770 (32.5)	11.770 (45)	11.770 (52)	11.770 (57.5)	11.600 (66.5)	11.100 (67)	7.540 (72.5)
50				9.220 (20)	9.220 (38)	9.220 (47.5)	9.220 (53.5)	10.300 (63.5)	10.000 (64)	6.830 (70.5)
55					7.540 (30)	7.540 (40)	7.540 (49)	9.200 (60.5)	9.190 (61.5)	6.240 (68)
60					6.010 (18.5)	6.010 (35.5)	6.010 (44.5)	7.910 (57.5)	8.030 (58.5)	5.710 (66)
65						4.720 (28)	4.720 (39.5)	6.430 (54.5)	6.490 (55.5)	5.240 (63.5)
70						3.680 (17.5)	3.680 (33.5)	5.150 (51)	5.210 (53)	4.800 (61.5)
75							2.750 (26.5)	4.070 (47.5)	4.130 (49.5)	4.420 (59)
80							1.920 (16.5)	3.250 (43.5)	3.430 (46)	4.070 (56.5)
85								2.590 (39.5)	2.760 (42.5)	3.640 (54)
90								1.960 (35)	4.630 (38.5)	2.960 (51.5)
95								1.360 (30)	1.810 (34.5)	2.350 (49)
100									1.310 (30)	1.760 (46)
105										1.090 (43)

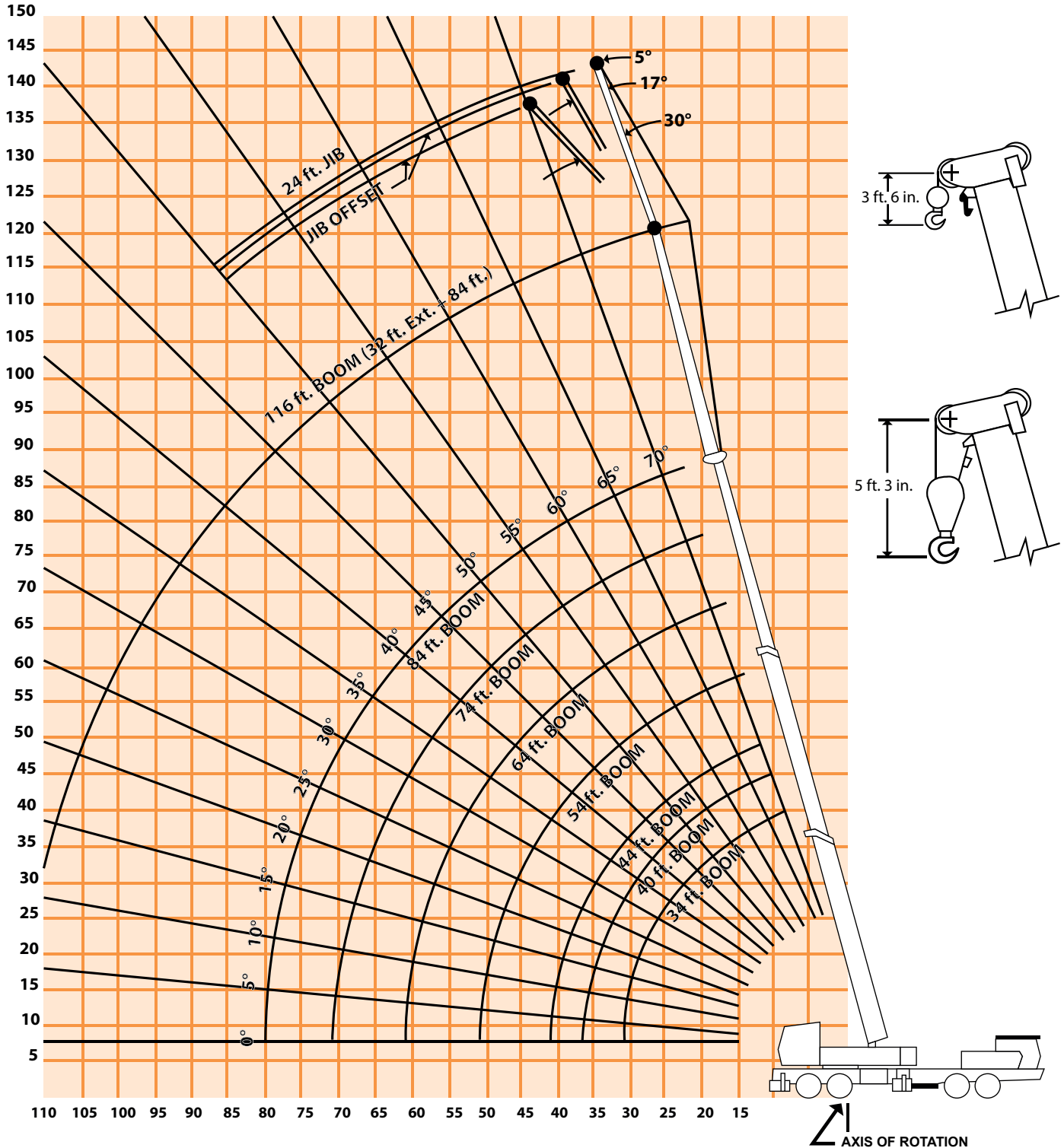
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Diagrama de Elevación

Modelo TMS475

50 TON

R50-A



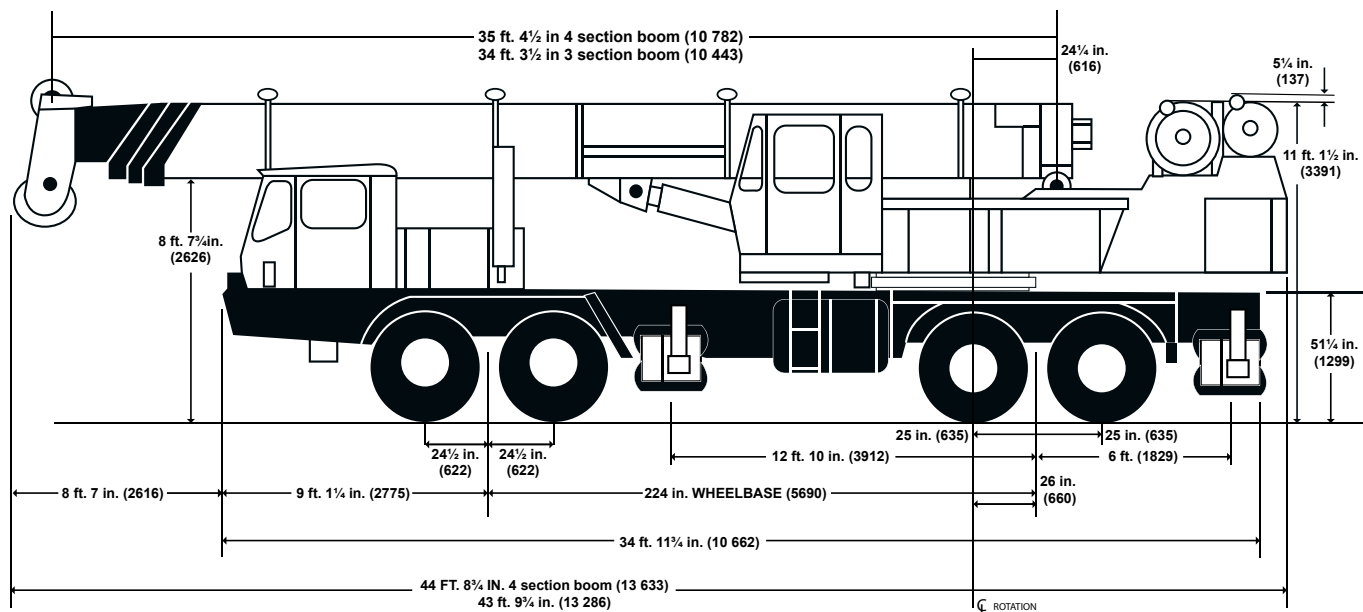
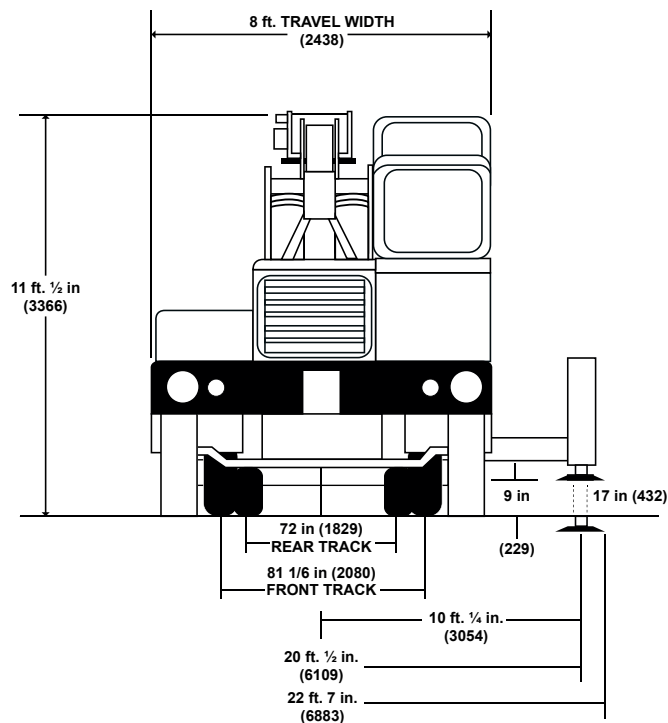
Dimensiones

Modelo TMS475

50 TON

R50-A

ALTURA MAX.	ANCHO MAX.	EXT. ESTABILIZADORES	ESTABILIZADORES RANGO COMPLETO	LARGO MAX.
3.40 mts	2.43 mts	2.30 mts	5.73 mts	10.66 mts



Capacidad de Levantamiento

Modelo TMS700B

50 TON

R50-B



35 - 110 ft.
(10.6 - 33.5 m)



7,800 lbs.
(3538 kg)



100%



Over Rear



Longitud de Brazo Hidráulico



Pounds

(Feet)	35	40	50	*60	70	80	90	100	110
9	@100,000 (67.5)								
9	90,000 (67.5)								
10	80,000 (66)	68,000 (69.5)	58,150 (74)						
12	67,400 (62)	63,800 (66)	55,450 (71.5)	44,600 (75)					
15	58,050 (56)	54,700 (61)	48,050 (67.5)	42,250 (71.5)	35,600 (74.5)	33,000 (77)			
20	44,950 (44.5)	43,000 (52)	39,400 (61)	33,600 (66.5)	30,500 (70.5)	28,000 (73.5)	25,500 (75.5)	23,300 (77.5)	
25	35,200 (28.5)	35,050 (41.5)	32,400 (54)	27,750 (61)	25,200 (66)	23,800 (69.5)	22,000 (72)	20,400 (74.5)	18,500 (76)
30		28,400 (27)	27,150 (46)	23,350 (55)	21,100 (61)	20,400 (65.5)	19,300 (68.5)	17,550 (71.5)	15,750 (73.5)
35			23,200 (36.5)	20,000 (49)	18,050 (56)	17,400 (61.5)	16,400 (65)	15,200 (68)	13,650 (70.5)
40			18,850 (24)	17,250 (41.5)	15,650 (50.5)	15,050 (57)	14,150 (61.5)	13,300 (65)	12,000 (68)
45				15,000 (33)	13,600 (45)	13,200 (52.5)	12,350 (57.5)	11,550 (61.5)	10,600 (65)
50				12,800 (21.5)	11,950 (38.5)	11,600 (47.5)	10,850 (53.5)	10,100 (58.5)	9,500 (62)
55					10,500 (31)	10,300 (42)	9,630 (49.5)	8,950 (54.5)	8,470 (58.5)
60					9,300 (20)	9,130 (36)	8,570 (45)	7,950 (51)	7,500 (55.5)
65						8,120 (29)	7,640 (40)	7,080 (47)	6,670 (52)
70						7,230 (19)	6,800 (34)	6,330 (42.5)	5,940 (48.5)
75							6,060 (27.5)	5,670 (38)	5,300 (45)
80							5,400 (18)	5,080 (32.5)	4,740 (40.5)
85								4,540 (26)	4,230 (36)
90								4,030 (17)	3,780 (31)
95									3,370 (25)
100									2,990 (16)
Minimum boom angle (deg.) for indicated length (no load)									0
Maximum boom length (ft.) at 0 degree boom angle (no load)									110

NOTE: () Boom angles are in degrees.

@Maximum lifting capacity of 100,000 lbs. over rear only within defined arc of 6° either side of centerline.

Boom Angle	35	40	50	*60	70	80	90	100	110
0°	15,500 (27.8)	12,240 (33)	7,860 (43)	4,970 (52.8)	3,670 (63)	2,710 (73)	1,960 (83)	1,360 (93)	880 (102.8)

NOTE: () Reference radii in feet.

*60 ft. boom length is with inner-mid extended and outer-mid & fly retracted.

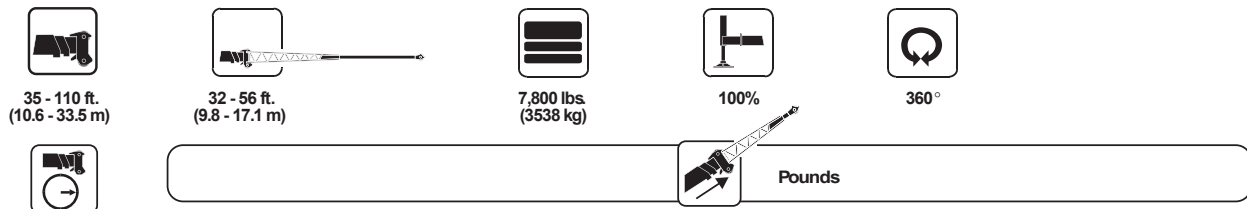
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Capacidad de Levantamiento

Modelo TMS700B

50 TON

R50-B



(Feet)	32 ft. LENGTH			44 ft. LENGTH			56 ft. LENGTH		
	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET
30	9,500 (78)								
35	8,710 (76)	*7,500 (78)		7,320 (77.5)					
40	8,000 (74)	7,070 (75.5)	*5,800 (78)	6,880 (75.5)			5,560 (77)		
45	7,340 (71.5)	6,760 (73.5)	5,690 (76)	6,490 (74)	5,060 (77.5)		5,250 (75.5)		
50	6,740 (69.5)	6,470 (71.5)	5,440 (73.5)	6,140 (72)	4,840 (75.5)	*3,770 (78)	4,970 (73.5)	3,900 (78)	
55	6,190 (67)	6,210 (69)	5,210 (71.5)	5,820 (69.5)	4,650 (73.5)	3,600 (76)	4,710 (72)	3,740 (76)	
60	5,500 (65)	5,970 (67)	5,010 (69)	5,530 (67.5)	4,460 (71.5)	3,450 (74)	4,480 (70)	3,600 (74.5)	2,650 (78)
65	4,850 (62.5)	5,280 (64.5)	4,820 (67)	5,220 (65.5)	4,300 (69.5)	3,320 (72)	4,270 (68)	3,410 (72.5)	2,540 (76)
70	4,270 (60)	4,670 (62)	4,650 (64.5)	4,640 (63.5)	4,140 (67.5)	3,190 (70)	4,070 (66.5)	3,220 (70.5)	2,430 (74)
75	3,740 (57.5)	4,110 (59.5)	4,420 (62)	4,110 (61.5)	3,940 (65)	3,070 (67.5)	3,890 (64.5)	3,050 (68.5)	2,340 (72.5)
80	3,260 (55)	3,600 (57)	3,880 (59.5)	3,640 (59)	3,750 (63)	2,970 (65.5)	3,720 (62.5)	2,890 (66.5)	2,250 (70)
85	2,810 (52.5)	3,120 (54.5)	3,380 (57)	3,200 (57)	3,570 (61)	2,870 (63)	3,530 (60.5)	2,750 (64.5)	2,170 (68)
90	2,410 (49.5)	2,690 (52)	2,920 (54)	2,800 (54.5)	3,190 (58.5)	2,780 (60.5)	3,130 (58.5)	2,620 (62.5)	2,100 (66)
95	2,030 (47)	2,290 (49)	2,490 (51)	2,430 (52)	2,790 (56)	2,700 (58)	2,760 (56.5)	2,500 (60.5)	2,030 (64)
100	1,690 (43.5)	1,920 (46)	2,100 (48)	2,080 (49.5)	2,420 (53.5)	2,630 (55.5)	2,420 (54.5)	2,390 (58.5)	1,970 (61.5)
105	1,370 (40.5)	1,580 (42.5)	1,730 (45)	1,770 (47)	2,070 (51)	2,320 (52.5)	2,110 (52)	2,290 (56)	1,910 (59.5)
110	1,070 (37)	1,250 (39)	1,380 (41.5)	1,470 (44)	1,750 (48.5)	1,970 (50)	1,820 (49.5)	2,180 (54)	1,860 (57)
115				1,200 (41)	1,450 (45.5)	1,640 (46.5)	1,540 (47.5)	1,880 (51.5)	1,810 (54)
120							1,290 (45)	1,600 (48.5)	1,670 (51.5)

NOTE () Boom angles are in degrees.
*This capacity is based upon maximum boom angle.

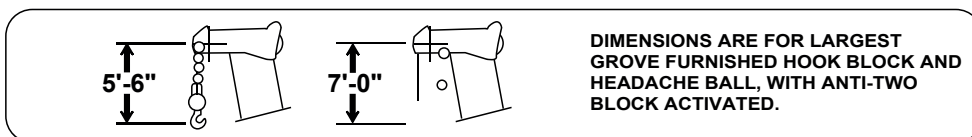
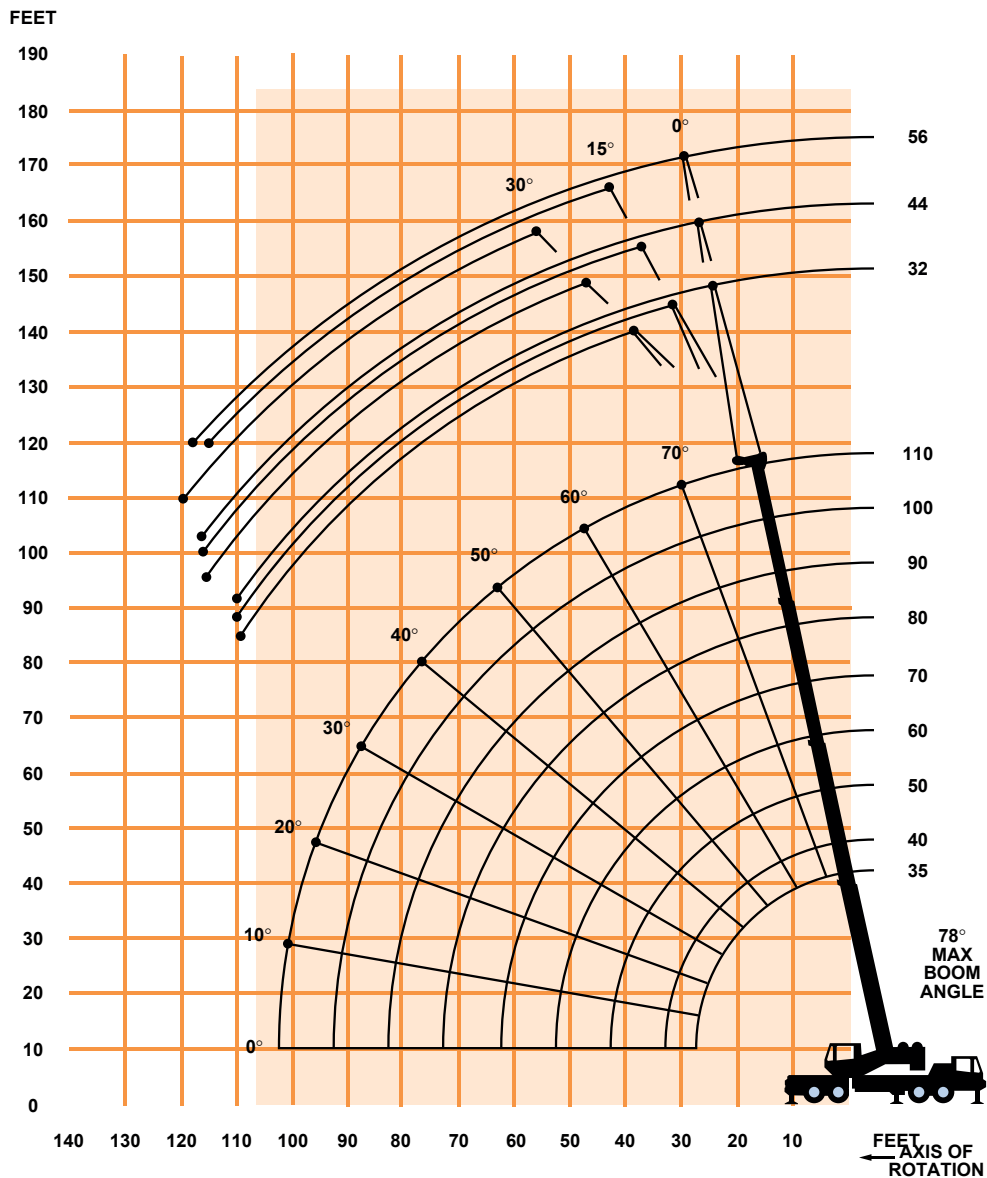
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Diagrama de Elevación

Modelo TMS700B

50 TON

R50-B



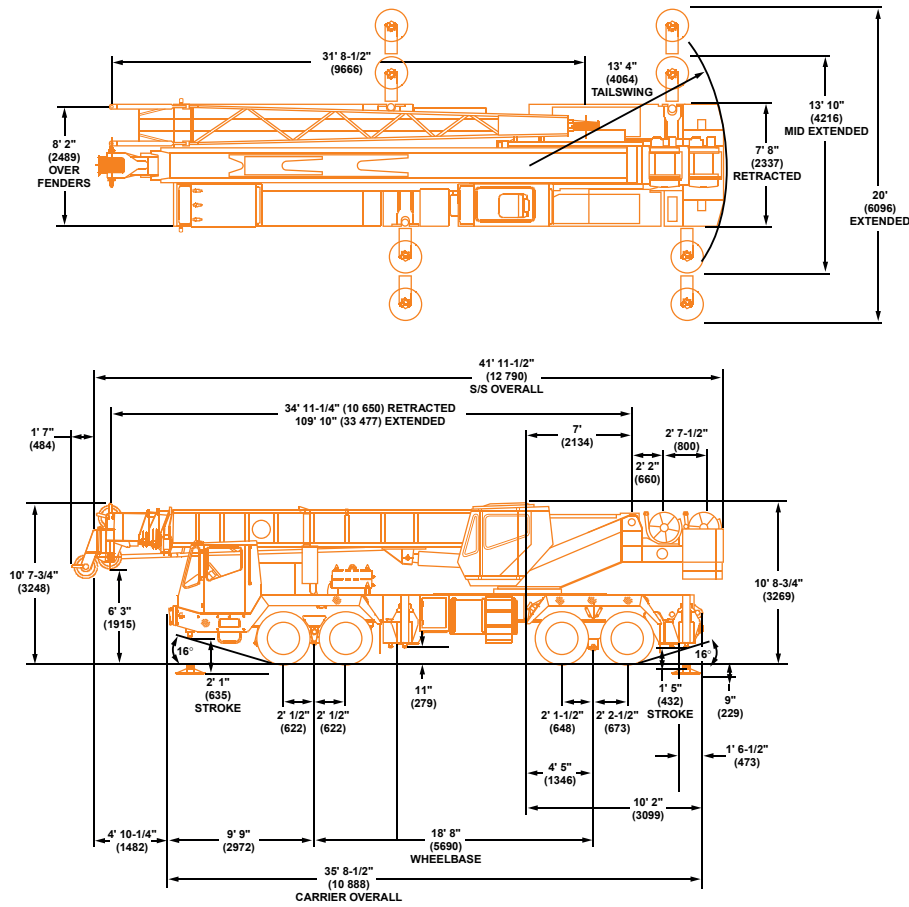
Dimensiones

Modelo TMS700B

50 TON

R50-B

ALTURA MAX.	ANCHO MAX.	EXT. ESTABILIZADORES	ESTABILIZADORES RANGO COMPLETO	LARGO MAX.
3.25 mts	2.50 mts	1.90 mts	6.10 mts	12.80 mts



ALLOWABLE WEIGHTS	FRONT	REAR	GW
	39,504 lbs.	49,680 lbs.	89,184 lbs.
Base machine with 110 ft. (33.5 m) boom	28,588 lbs. (12 968 kg)	38,174 lbs. (17 316 kg)	66,762 lbs. (30 283 kg)
32 - 56 ft. (9.8 - 17.1 m) tele swingaway	2,035 lbs. (923 kg)	300 lbs. (136 kg)	2,335 lbs. (1059 kg)
32 ft. (9.8 m) fixed swingaway	1,448 lbs. (657 kg)	169 lbs. (77 kg)	1,617 lbs. (733 kg)
Main and auxiliary hoist w/rope	(194) lbs. [(88 kg)]	685 lbs. (311 kg)	491 lbs. (223 kg)
Auxiliary boom nose	258 lbs. (117 kg)	(115) lbs. [(52 kg)]	143 lbs. (65 kg)
50 ton block	1,525 lbs. (692 kg)	(303) lbs. [(137 kg)]	1,222 lbs. (554 kg)
15 ton block	474 lbs. (215 kg)	(94) lbs. [(43 kg)]	380 lbs. (172 kg)
10 ton ball	699 lbs. (317 kg)	(139) lbs. [(63 kg)]	560 lbs. (254 kg)
7,800 lbs. (3538 kg) cwt. on s/s	(2,926) lbs. [(1327 kg)]	10,726 lbs. (4865 kg)	7,800 lbs. (354 kg)
7,800 lbs. (3538 kg) cwt. on carrier	6,704 lbs. (3041 kg)	1,096 lbs. (497 kg)	7,800 lbs. (354 kg)
3,900 lbs. (1769 kg) cwt. on carrier/3,900 lbs. (1769 kg) on s/s	1,889 lbs. (857 kg)	5,911 lbs. (2681 kg)	7,800 lbs. (354 kg)

Turning Radius 43' 9" (13 335 mm)

Capacidad de Levantamiento

Modelo TM800

80 TON

R80-A

Radius in Feet	Trapezoidal Boom Length in Feet							114. 32 Ext.
	*36	49	62	75	88	101	114	146
12	160.000	103.000						
15	120.000	100.000	81.000	76.500	63.000			
20	93.000	90.000	79.000	68.000	59.400	54.000	50.000	
25	70.000	70.000	70.000	64.000	54.000	52.200	43.200	30.000
30	55.000	55.000	55.000	50.000	44.100	43.200	36.000	27.950
35		40.000	40.000	40.000	36.000	34.000	32.400	25.900
40		32.000	32.000	32.000	30.000	29.000	27.400	23.800
45		26.000	26.000	26.000	26.000	26.000	25.000	21.700
50			22.320	22.320	22.320	22.320	21.000	19.450
60				15.800	15.800	15.800	15.800	15.250
70				11.300	11.300	11.300	11.300	13.000
80					8.450	8.450	8.450	10.390
90						6.100	6.100	7.740
100							4.250	5.450
105							3.500	4.600
110							2.800	3.940
115								3.400
120								2.930
125								2.510
130								2.110
135								1.710
140								1.310
144								990
150								

**32 ft. Ext. Capacities	
Boom Angle	
80.0°	30.000
78.5	27.950
76.5	25.900
74.5	23.800
72.5	21.700
70.5	19.450
66.0	15.250
61.5	13.000
56.0	11.300
50.0	9.700
44.0	8.600
41.0	8.100
39.0	7.850
35.0	7.400
32.0	7.100
29.0	6.800
25.0	6.500
18.0	6.200
12.0	6.000
0.0	5.750

A6-829-000707B

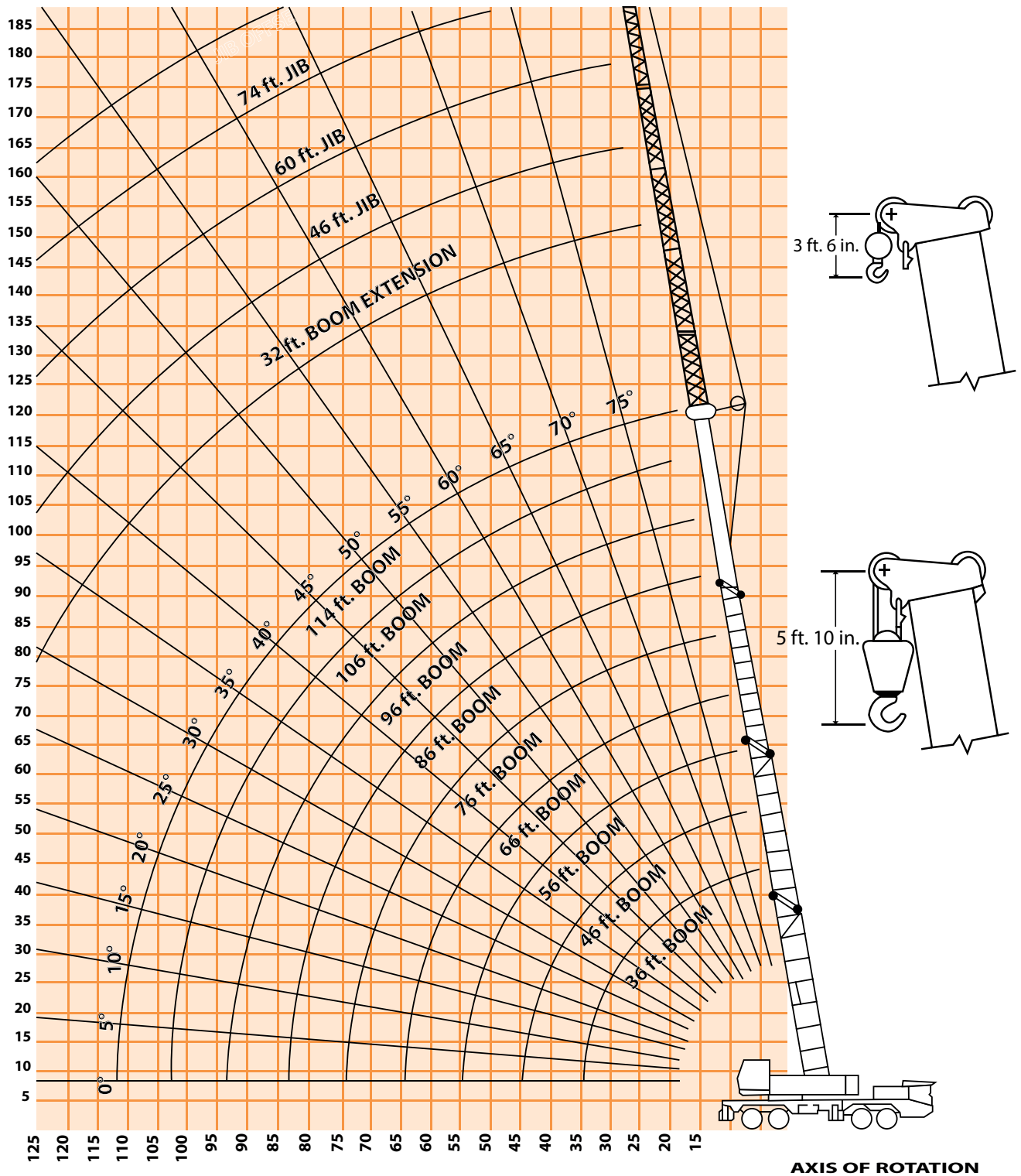
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Diagrama de Elevación

Modelo TM800

80 TON

R80-A



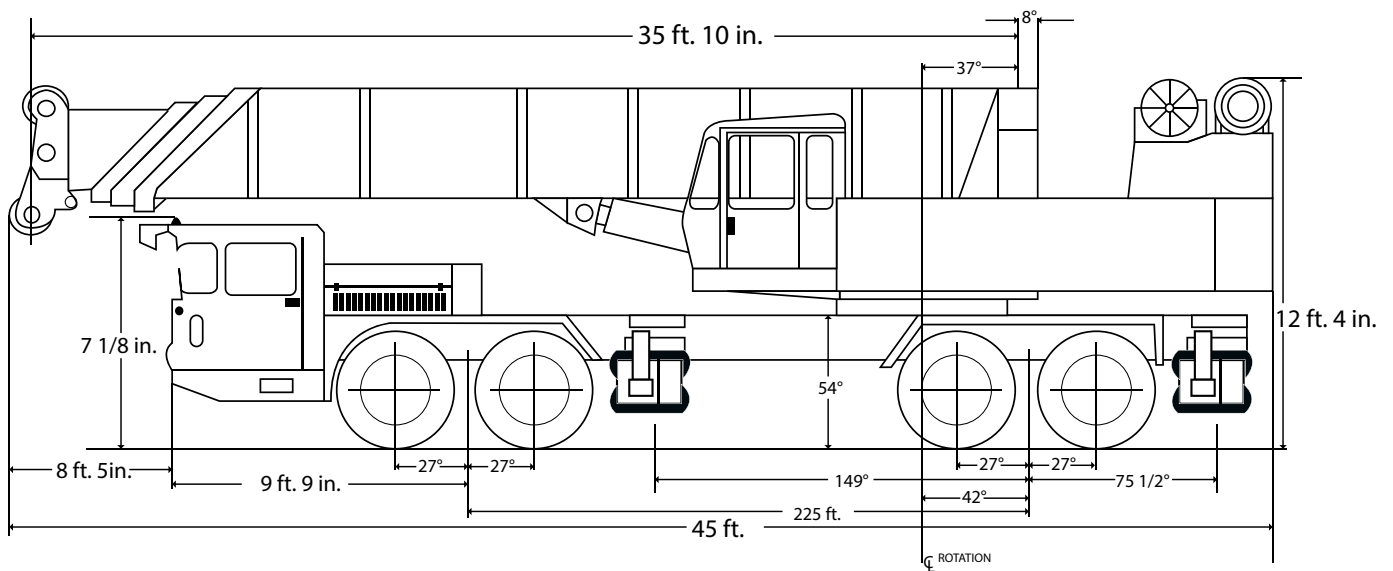
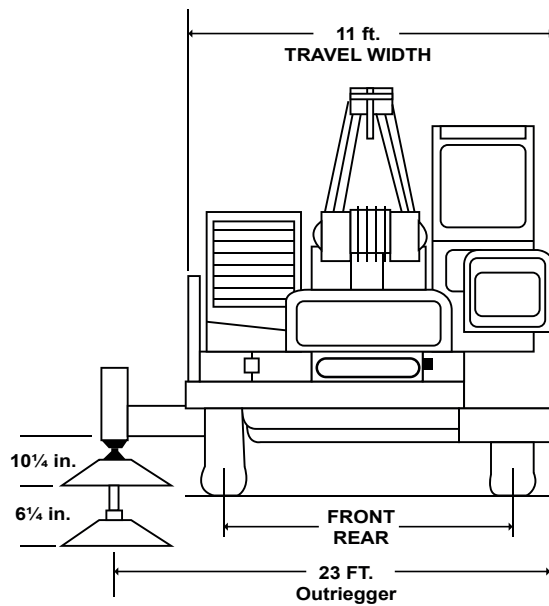
Dimensiones

Modelo TM800

80 TON

R80-A

ALTURA MAXIMA	ANCHO MAXIMO	EXP. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
4.00 mts	3.30 mts	2.06 mts	7.51 mts	14.70 mts



Capacidad de Levantamiento

Modelo TM1400

140 TON

R140-A / R140-B

JIB CAPACIDAD

Jib Angle	46 ft.		60 ft.		74 ft.		88 ft.	
	Ref. Radius		Ref. Radius		Ref. Radius		Ref. Radius	
70°	46.4	11.700	51.0	8.460	56.2	6.350	61.1	4.730
65	50.1	10.700	56.0	7.580	62.2	5.500	68.1	3.900
60	53.8	9.900	60.7	6.850	67.9	4.800	74.9	3.210
55	57.2	9.210	65.3	6.230	73.3	4.210	81.3	2.640
50	60.5	8.640	69.5	5.710	78.4	3.710	87.4	2.160
45	63.5	8.140	73.5	5.260	83.1	3.280	93.0	1.740

OUTRIGGERS FULLY EXTENDED - 360°

Radius in Feet	Main Boom Length Feet										Power Pin. Fly & 14ft.	35 Ext & 173 t (2° Offset)
	46.0	58.0	70.0	82.0	94.0	106.0	118.0	130.0	141.0	173.0		
12	280.000 (71.6)	143.500 (75.7)	142.000 (78.6)									
15	235.000 (67.4)	143.500 (72.5)	141.500 (76.1)	130.000 (78.4)								
20	173.600 (60.1)	143.500 (67.1)	123.500 (71.7)	112.000 (74.8)	102.000 (77.1)	90.300 (79.2)						
25	135.600 (52.0)	131.500 (61.4)	110.500 (67.2)	98.650 (71.0)	89.250 (73.9)	78.550 (76.3)	73.700 (78.1)	69.300 (79.8)				
30	106.000 (42.6)	106.000 (55.3)	98.000 (62.6)	88.350 (67.2)	78.750 (70.6)	69.250 (73.5)	65.100 (75.6)	61.000 (77.5)	60.000 (79.2)			
35	84.700 (30.4)	84.700 (48.6)	84.700 (57.7)	80.150 (63.2)	69.000 (67.3)	60.750 (70.5)	57.150 (73.0)	54.000 (75.3)	52.150 (77.1)			
40		70.500 (41.0)	70.500 (52.4)	70.500 (59.1)	61.300 (69.9)	54.000 (67.5)	50.600 (70.4)	48.300 (72.9)	45.850 (75.0)	38.000 (78.7)		
45		58.850 (31.7)	58.850 (46.7)	58.850 (54.7)	55.000 (60.3)	48.500 (64.5)	45.200 (67.7)	43.050 (70.6)	40.400 (72.8)	35.750 (77.0)	21.500 (79.3)	
50		49.550 (17.2)	49.550 (40.2)	49.550 (50.1)	48.750 (56.6)	43.050 (61.3)	40.700 (64.9)	38.250 (68.1)	35.750 (70.6)	32.100 (75.2)	19.900 (77.9)	
60			32.600 (22.2)	32.600 (39.4)	32.600 (48.5)	32.600 (54.6)	32.600 (59.2)	30.750 (63.2)	28.500 (66.2)	26.350 (71.7)	16.850 (74.9)	
70				23.070 (24.6)	23.070 (39.1)	23.070 (47.2)	23.070 (53.0)	23.070 (57.9)	23.070 (61.5)	22.000 (68.1)	14.600 (71.9)	
80					16.700 (26.6)	16.700 (38.6)	16.700 (46.3)	16.700 (52.3)	16.700 (56.5)	18.500 (64.3)	12.850 (68.8)	
90						11.810 (27.6)	11.810 (38.5)	11.810 (46.1)	11.810 (51.2)	15.250 (60.4)	11.450 (65.6)	
100							8.140 (28.8)	8.140 (39.0)	8.140 (45.4)	11.700 (56.3)	10.050 (62.4)	
110							4.790 (12.1)	4.790 (30.3)	4.790 (38.8)	8.430 (52.0)	8.200 (59.0)	
120								2.510 (17.2)	2.510 (30.8)	5.530 (47.3)	6.620 (55.5)	
130										3.560 (42.2)	5.260 (51.8)	
140										1.900 (36.5)	3.300 (47.9)	
150											1.800 (43.7)	
Min Boom Angle (deg.) for Indicated Length (No Load)									15°	31°	39°	
Max Boom Length (ft.) at 0 degree Boom Angle (No Load)									136	158	181	

A6-829-002918A & -002946B

Capacidad de Levantamiento

Modelo TM1400

140 TON

R140-A / R140-B

OUTRIGGERS FULLY EXTENDED - OVER REAR

Radius in Feet	Main Boom Length in Feet										Power Pin Fly & 141 ft.	32 ft. Ext. & 173 ft. (2° Offse)
	46.0	58.0	70.0	82.0	94.0	106.0	118.0	130.0	141.0	173.0		
12	280.000 (71.5)	143.500 (75.7)	142.000 (78.6)									
15	235.000 (67.4)	143.500 (72.5)	141.500 (76.1)	130.000 (78.4)								
20	173.600 (60.1)	143.500 (67.1)	123.500 (71.7)	112.000 (74.8)	102.000 (77.1)	90.300 (79.2)						
25	135.600 (52.0)	131.500 (61.4)	110.500 (67.2)	98.650 (71.0)	89.250 (73.9)	78.550 (76.3)	73.700 (78.1)	69.300 (79.8)				
30	106.000 (42.6)	106.000 (55.3)	98.000 (62.6)	88.350 (67.2)	78.750 (70.6)	69.250 (73.5)	65.100 (75.6)	61.000 (77.5)	60.000 (79.2)			
35	84.700 (30.4)	84.700 (48.6)	84.700 (57.7)	80.150 (63.2)	69.000 (67.3)	60.750 (70.5)	57.150 (73.0)	54.000 (77.1)	52.150 (77.1)			
40		70.500 (41.0)	70.500 (52.4)	70.500 (59.1)	61.300 (63.9)	54.000 (67.5)	50.600 (70.4)	48.300 (72.9)	45.850 (75.0)	38.000 (78.7)		
45		58.850 (46.7)	58.850 (54.7)	58.850 (60.3)	55.000 (66.3)	48.500 (70.3)	45.200 (76.7)	43.050 (76.6)	40.400 (72.8)	35.750 (77.0)	21.500 (79.3)	
50		49.550 (17.2)	49.550 (40.2)	49.600 (50.1)	48.750 (56.6)	43.050 (61.3)	40.700 (64.9)	38.250 (68.1)	35.750 (70.6)	32.100 (75.2)	19.900 (77.9)	
60			34.340 (22.2)	34.340 (39.4)	34.340 (48.5)	34.300 (54.6)	33.600 (59.2)	30.750 (63.2)	28.500 (66.2)	26.350 (71.7)	16.850 (74.9)	
70				25.270 (24.6)	25.270 (39.1)	25.270 (47.2)	25.270 (53.0)	24.750 (57.9)	23.100 (61.5)	22.000 (68.1)	14.600 (71.9)	
80					18.570 (26.6)	18.570 (38.6)	18.570 (46.3)	18.570 (52.3)	18.570 (56.5)	18.500 (64.3)	12.850 (68.8)	
90						13.480 (27.6)	13.480 (38.5)	13.480 (46.1)	13.480 (51.2)	15.250 (60.4)	11.450 (65.6)	
100							9.460 (28.8)	9.460 (39.0)	9.460 (45.4)	12.600 (56.3)	10.050 (62.4)	
110							6.560 (12.1)	6.560 (30.3)	6.560 (38.8)	10.400 (52.0)	8.200 (59.0)	
120								4.200 (17.2)	4.200 (30.8)	7.450 (47.3)	6.620 (55.5)	
130									2.340 (19.3)	5.240 (42.2)	5.260 (51.8)	
140										3.420 (36.5)	4.100 (47.9)	
150										1.870 (29.6)	3.080 (43.7)	
160											2.180 (39.1)	
170											1.130 (34.0)	
Min Boom Angle (deg.) for Indicated Length (No Load)										1°	22°	32°
Max Boom Length (ft.) at 0 degree Boom Angle (No Load)										141.0	170.0	192.0

A6-829-002924 & -002946B

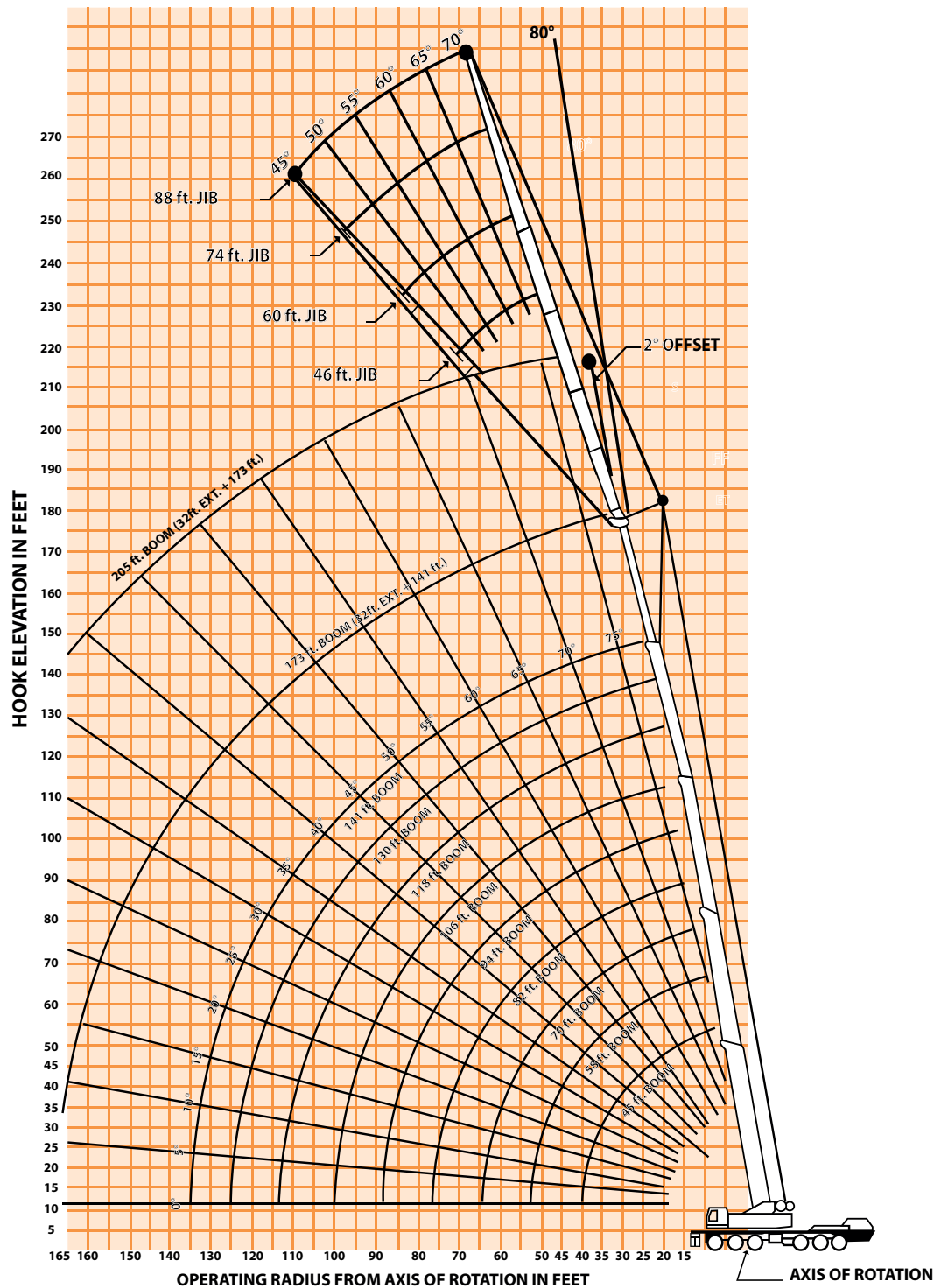
Diagrama de Elevación

Modelo TM1400

140 TON

R140-A / R140-B

HOOK ELEVATION DIAGRAM UNLADEN BOOM



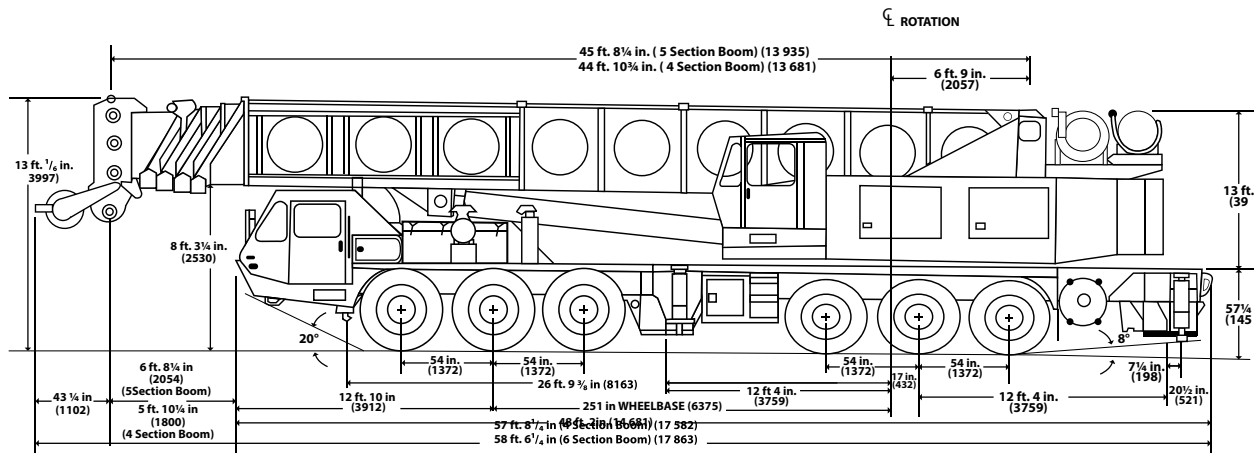
Dimensiones

Modelo TM1400

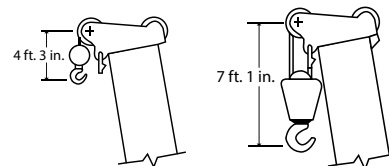
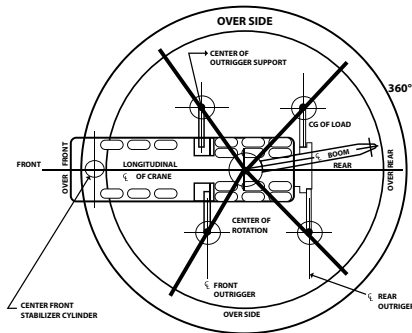
140 TON

R140-A / R140-B

ALTURA MAXIMA	ANCHO MAXIMO	EXP. ESTABILIZADOR	ESTABILIZADORES RANGO COMPLETO	LARGO MAX
4.00 mts	3.00 mts	2.06 mts	7.51 mts	14.70 mts



LIFTING AREA DIAGRAM





Grúas AT

Articulada

Capacidad de levantamiento • Diagramas • Dimensiones



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