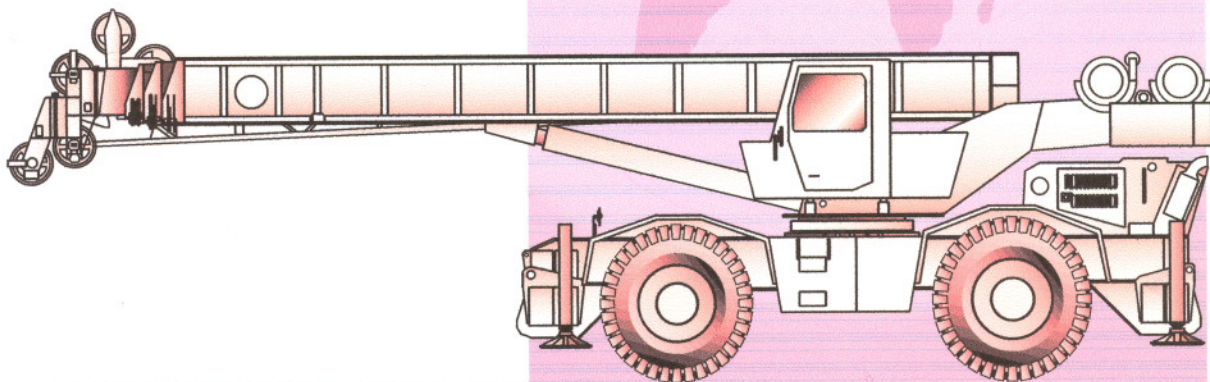
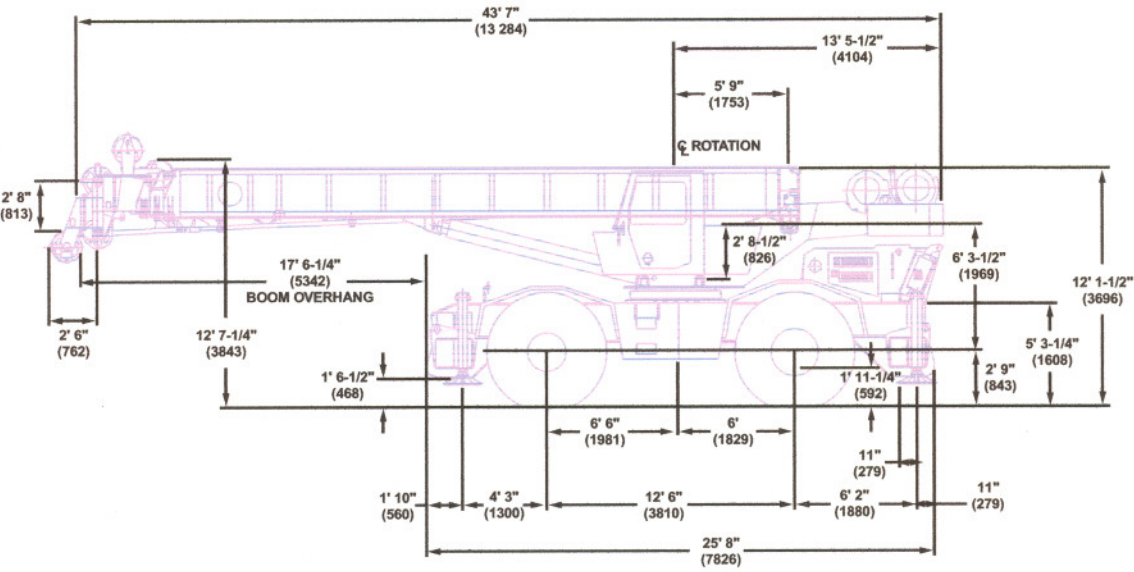
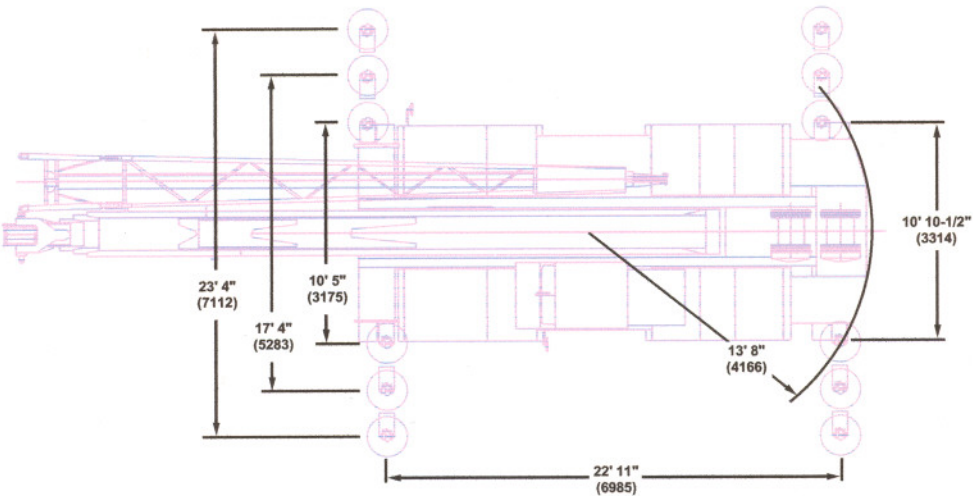


RT750



Rough Terrain Hydraulic Crane

Dimensions

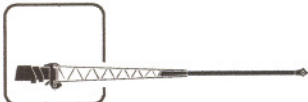


Note: () Reference dimensions in mm

Working Range



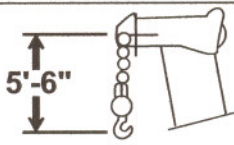
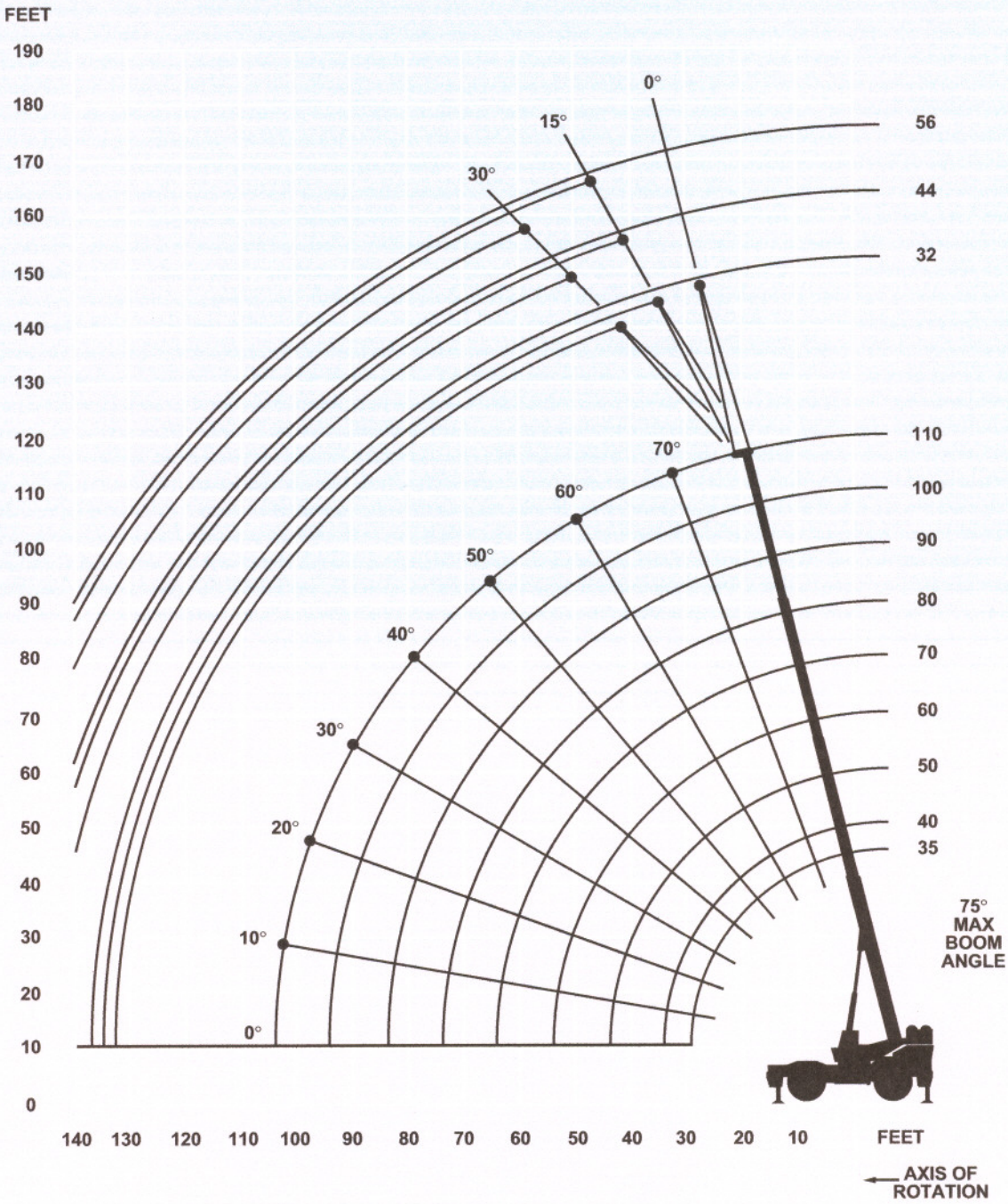
35 - 110 ft.
(10.6 - 33.5 m)



32 - 44 - 56 ft.
(9.8 - 13.4 - 17.1 m)



360°



DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.



35 - 110 ft.
(10.6 - 33.5 m)

12,000 lbs.
(5443 kg)

100%

360°



Pounds

(Feet)	35	40	50	*60	70	80	90	100	110
10	100,000 (63.5)	80,400 (66.5)	74,400 (71.5)	44,600 (75.5)					
12	88,050 (60)	79,050 (63.5)	70,900 (69)	44,600 (74)	@35,600 (75.5)				
15	74,500 (54)	67,450 (59)	63,350 (65.5)	44,600 (71)	35,600 (74)	@33,000 (75.5)			
20	54,700 (43)	53,850 (50.5)	50,900 (59)	44,600 (66)	35,600 (70)	33,000 (72.5)	25,500 (75)	@23,300 (75.5)	
25	41,450 (29)	41,150 (40.5)	40,700 (52.5)	40,350 (60.5)	35,550 (65.5)	33,000 (69)	25,500 (71.5)	23,300 (74)	@18,500 (75.5)
30		32,450 (28)	32,050 (45)	31,750 (55)	30,550 (61)	28,950 (65)	25,500 (68)	23,300 (71)	18,500 (73)
35			25,950 (36.5)	25,650 (48.5)	26,500 (56.5)	24,900 (61)	23,000 (64.5)	21,200 (68)	18,500 (70.5)
40			21,400 (25)	21,150 (41.5)	22,000 (51.5)	21,750 (57)	20,000 (61)	18,450 (65)	18,000 (67.5)
45				17,600 (33.5)	18,500 (46)	19,100 (53)	17,600 (57.5)	16,300 (61.5)	15,750 (65)
50				14,600 (23)	15,250 (39.5)	15,700 (48)	15,650 (53.5)	14,400 (58)	13,950 (62)
55					12,650 (32.5)	13,100 (43)	13,550 (49.5)	12,850 (54.5)	12,450 (59)
60					10,500 (23)	11,000 (37.5)	11,450 (45)	11,550 (51)	11,150 (55.5)
65						9,350 (31)	9,780 (40.5)	10,200 (47)	10,050 (52.5)
70						7,870 (22)	8,370 (35)	8,780 (43)	9,090 (49)
75							7,180 (28.5)	7,590 (38.5)	7,980 (45)
80							6,120 (20)	6,560 (33)	6,950 (41)
85								5,680 (27)	6,060 (37)
90								4,910 (19)	5,280 (32)
95									4,600 (26)
100									3,990 (18.5)

Minimum boom angle (deg.) for indicated length

0

Maximum boom length (ft.) at 0 deg. boom angle (no load)

110

Note: () Boom angles are in degrees.

@ This capacity is based upon maximum boom angle.

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

Boom Angle	35	40	50	*60	70	80	90	100	110
0°	20,750 (29.2)	16,750 (34.3)	11,300 (44.3)	7,720 (54.1)	5,960 (64.3)	4,680 (74.3)	3,680 (84.3)	2,880 (94.3)	2,240 (104.1)

NOTE: () Reference radii are in feet.



35 - 110 ft.
(10.6 - 33.5 m)

12,000 lbs.
(5443 kg)

50%
17' 4" Spread

360°



Pounds

(Feet)	35	40	50	*60	70	80	90	100	110
10	100,000 (63.5)	80,400 (66.5)	74,400 (71.5)	44,600 (75.5)					
12	88,050 (60)	79,050 (63.5)	70,900 (69)	44,600 (74)	@35,600 (75.5)				
15	74,500 (54)	67,450 (59)	63,350 (65.5)	44,600 (71)	35,600 (74)	@33,000 (75.5)			
20	52,700 (43)	52,350 (50.5)	50,900 (59)	44,600 (66)	35,600 (70)	33,000 (72.5)	25,500 (75)	@23,300 (75.5)	
25	34,400 (29)	34,050 (40.5)	33,300 (52.5)	32,600 (60.5)	33,550 (65.5)	33,000 (69)	25,500 (71.5)	23,300 (74)	@18,500 (75.5)
30		24,300 (28)	23,550 (45)	22,800 (55)	23,650 (61)	24,500 (65)	25,300 (68)	23,300 (71)	18,500 (73)
35			17,500 (36.5)	16,750 (48.5)	17,550 (56.5)	18,300 (61)	19,000 (64.5)	19,750 (68)	18,500 (70.5)
40			13,400 (25)	12,650 (41.5)	13,350 (51.5)	14,050 (57)	14,750 (61)	15,450 (65)	16,100 (67.5)
45				9,660 (33.5)	10,350 (46)	11,000 (53)	11,650 (57.5)	12,300 (61.5)	12,950 (65)
50				7,400 (23)	8,060 (39.5)	8,690 (48)	9,320 (53.5)	9,940 (58)	10,550 (62)
55					6,260 (32.5)	6,880 (43)	7,480 (49.5)	8,080 (54.5)	8,670 (59)
60					4,810 (23)	5,410 (37.5)	6,000 (45)	6,580 (51)	7,150 (55.5)
65						4,210 (31)	4,780 (40.5)	5,350 (47)	5,910 (52.5)
70						3,200 (22)	3,760 (35)	4,320 (43)	4,860 (49)
75							2,900 (28.5)	3,450 (38.5)	3,980 (45)
80							2,150 (20)	2,690 (33)	3,220 (41)
85								2,040 (27)	2,560 (37)
90								1,460 (19)	1,980 (32)
95									1,460 (26)
100									1,010 (18.5)

0.1A (lbs.)	765	805	870	915	840	790	750	715	690
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Minimum boom angle (deg.) for indicated length	10
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Maximum boom length (ft.) at 0 deg. boom angle (no load)	100
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Note: () Boom angles are in degrees.

@ This capacity is based upon maximum boom angle.

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

Boom Angle	35	40	50	60	70	80	90	100
0°	20,750 (29.2)	16,750 (34.3)	10,800 (44.3)	5,910 (54.1)	3,780 (64.3)	2,460 (74.3)	1,600 (84.3)	1,030 (94.3)

Note: () Reference radii in feet.



35 - 110 ft.
(10.6 - 33.5 m)



12,000 lbs.
(5443 kg)



0%
10' 5" Spread



360°



Pounds

(Feet)	35	40	50	*60	70	80	90	100	110
10	79,850 (63.5)	75,500 (66.5)	68,400 (71.5)	44,600 (75.5)					
12	60,500 (60)	57,550 (63.5)	52,750 (69)	44,600 (74)	@35,600 (75.5)				
15	41,750 (54)	41,550 (59)	38,400 (65.5)	35,800 (71)	35,350 (74)	@33,000 (75.5)			
20	25,250 (43)	25,000 (50.5)	24,450 (59)	23,550 (66)	23,750 (70)	23,700 (72.5)	23,500 (75)	@23,300 (75.5)	
25	17,100 (29)	16,800 (40.5)	16,200 (52.5)	15,600 (60.5)	16,400 (65.5)	17,150 (69)	17,250 (71.5)	17,200 (74)	@17,100 (75.5)
30		11,900 (28)	11,250 (45)	10,600 (55)	11,350 (61)	12,050 (65)	12,750 (68)	13,200 (71)	13,200 (73)
35			7,990 (36.5)	7,330 (48.5)	8,020 (56.5)	8,680 (61)	9,340 (64.5)	9,980 (68)	10,400 (70.5)
40			5,660 (25)	4,970 (41.5)	5,630 (51.5)	6,260 (57)	6,880 (61)	7,500 (65)	8,100 (67.5)
45				3,200 (33.5)	3,840 (46)	4,450 (53)	5,050 (57.5)	5,640 (61.5)	6,220 (65)
50				1,830 (23)	2,450 (39.5)	3,040 (48)	3,620 (53.5)	4,200 (58)	4,760 (62)
55					1,340 (32.5)	1,910 (43)	2,480 (49.5)	3,040 (54.5)	3,590 (59)
60							1,550 (45)	2,100 (51)	2,630 (55.5)
65								1,310 (47)	1,840 (52.5)
70									1,160 (49)
0.1A (lbs.)	765	805	870	915	840	790	750	715	690

Minimum boom angle (deg.)
for indicated length

5

26

38

42

45

48

Maximum boom length (ft.)
at 0 deg. boom angle (no load)

50

Note: () Boom angles are in degrees.

@ This capacity is based upon maximum boom angle.

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

Boom
Angle

	35	40	50
0°	12,900 (29.2)	9,100 (34.3)	4,140 (44.3)

Note: () Reference radii in feet.

A6-829-015223



35 - 110 ft.
(10.6 - 33.5 m)



32 - 56 ft.
(9.8 - 17.1 m)



12,000 lbs.
(5443 kg)



100%



360°



Pounds

(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

35	@10,400 (75.5)								
40	9,500 (73)	@7,900 (75.5)		@8,800 (75.5)			@7,300 (75.5)		
45	8,600 (71)	7,200 (74.5)	@5,800 (75.5)	7,700 (73.5)	@5,800 (75.5)		6,400 (75)		
50	8,100 (68.5)	6,400 (72.5)	5,150 (74)	7,100 (71.5)	4,800 (74.5)		5,900 (73)	@4,000 (75.5)	
55	7,200 (66.5)	6,080 (70)	4,940 (71.5)	6,500 (69.5)	4,450 (72.5)	@3,750 (75.5)	5,320 (71.5)	3,750 (75)	
60	6,610 (64)	5,800 (68)	4,750 (69)	6,010 (67.5)	4,200 (70.5)	3,300 (74)	4,800 (69.5)	3,500 (74)	@2,600 (75.5)
65	5,950 (62)	5,340 (66)	4,550 (67)	5,370 (65.5)	3,960 (68.5)	3,120 (72)	4,300 (67.5)	3,250 (72)	2,470 (75)
70	5,500 (59.5)	4,970 (63)	4,400 (64.5)	5,000 (63)	3,800 (66.5)	3,050 (70)	4,000 (65.5)	3,000 (70)	2,370 (73.5)
75	4,980 (57)	4,530 (61)	4,240 (62)	4,520 (61)	3,600 (64)	2,930 (67.5)	3,680 (64)	2,800 (68)	2,240 (71.5)
80	4,630 (54.5)	4,250 (58.5)	3,980 (59.5)	4,210 (59)	3,450 (62)	2,850 (65.5)	3,500 (62)	2,670 (66)	2,130 (69.5)
85	4,230 (52)	3,900 (56)	3,690 (57)	3,830 (56.5)	3,300 (60)	2,720 (63)	3,300 (60)	2,500 (64)	2,050 (67)
90	3,940 (49.5)	3,670 (53)	3,470 (54)	3,580 (54.5)	3,200 (57.5)	2,670 (60.5)	3,200 (57.5)	2,400 (62)	2,000 (65)
95	3,620 (46.5)	3,380 (50)	3,200 (51)	3,290 (52)	3,040 (55)	2,600 (58)	3,020 (55.5)	2,330 (59.5)	1,930 (63)
100	3,390 (44)	3,180 (47.5)	3,040 (48)	3,070 (49.5)	2,840 (52.5)	2,580 (55.5)	2,850 (53.5)	2,250 (57.5)	1,890 (60.5)
105	3,130 (40.5)	2,950 (44)	2,820 (45)	2,830 (47)	2,650 (50)	2,500 (53)	2,620 (51)	2,150 (55)	1,830 (58)
110	2,920 (37.5)	2,780 (41)	2,690 (41.5)	2,650 (44)	2,480 (47)	2,370 (50)	2,460 (48.5)	2,050 (53)	1,800 (56)
115	2,570 (34)	2,590 (37)	2,510 (37.5)	2,440 (41)	2,300 (44)	2,200 (47)	2,280 (46)	1,970 (50)	1,750 (53)
120	2,140 (30)	2,250 (33)	2,360 (33)	2,290 (38)	2,170 (41)	2,090 (43.5)	2,130 (43.5)	1,920 (47.5)	1,720 (50.5)
125	1,750 (25)	1,830 (28.5)		2,100 (35)	2,000 (37.5)	1,940 (40)	1,970 (41)	1,830 (45)	1,700 (47.5)
130	1,390 (19.5)	1,440 (22.5)		1,890 (31)	1,910 (34)	1,860 (36)	1,840 (38)	1,740 (42)	1,680 (44.5)
135				1,540 (27)	1,710 (29.5)		1,700 (35)	1,620 (39)	1,570 (41)
140				1,230 (22)	1,410 (24.5)		1,600 (31.5)	1,530 (35.5)	1,490 (37)
145							1,460 (28)	1,430 (31.5)	1,380 (33)
150							1,170 (23.5)	1,350 (27)	

Minimum boom angle (deg.)
for indicated length (no load)

15 25 30

Maximum boom length (ft.)
at 0 degree boom angle (no load)

100

NOTE: () Boom angles are in degrees.

@This capacity is based upon maximum boom angle.

**32 ft. tele. length is also applicable to 32 ft. fixed length, however, the LMI code will change for the 0°, 15° and 30° offsets respectively.



35 - 110 ft.
(10.6 - 33.5 m)



12,000 lbs.
(5443 kg)



Stationary
29.5 x 25 (28 Ply) Tires



360°



Pounds

(Feet)	35	40	50	*60	70
10	47,400 (63.5)	38,900 (66.5)	30,550 (71.5)		
12	37,650 (60)	37,650 (63.5)	30,550 (69)	22,250 (74)	
15	26,300 (54)	26,300 (59)	26,300 (65.5)	17,300 (71)	17,300 (74)
20	15,800 (43)	15,800 (50.5)	15,800 (59)	15,800 (66)	15,800 (70)
25	10,350 (29)	10,350 (40.5)	10,350 (52.5)	10,350 (60.5)	10,350 (65.5)
30		7,020 (28)	7,020 (45)	7,020 (55)	7,020 (61)
35			4,750 (36.5)	4,750 (48.5)	4,750 (56.5)
40			3,120 (25)	3,120 (41.5)	3,120 (51.5)
45				1,880 (33.5)	1,880 (46)

NOTE: () Boom angles are in degrees.

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

Boom Angle	35	40	50
0°	8,560 (29.2)	5,690 (34.3)	2,300 (44.3)

NOTE: () Reference radii are in feet.



35 - 110 ft.
(10.6 - 33.5 m)



12,000 lbs.
(5443 kg)



Stationary
29.5 x 25 (28 Ply) Tires



Defined Arc
Over Front



Pounds

(Feet)	35	40	50	*60	70
10	47,400 (63.5)	38,900 (66.5)	30,550 (71.5)		
12	38,900 (60)	38,900 (63.5)	30,550 (69)	22,250 (74)	
15	30,550 (54)	30,550 (59)	26,300 (65.5)	17,300 (71)	17,300 (74)
20	26,050 (43)	26,050 (50.5)	22,250 (59)	17,300 (66)	17,300 (70)
25	21,150 (29)	21,150 (40.5)	21,150 (52.5)	17,300 (60.5)	17,300 (65.5)
30		15,300 (28)	15,300 (45)	15,300 (55)	15,300 (61)
35			11,350 (36.5)	11,350 (48.5)	11,350 (56.5)
40			8,590 (25)	8,590 (41.5)	8,590 (51.5)
45				6,490 (33.5)	6,490 (46)
50				4,860 (23)	4,860 (39.5)
55					3,630 (32.5)
60					2,610 (23)

NOTE: () Boom angles are in degrees.

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

Boom Angle	35	40	50	60	70
0°	16,900 (29.2)	12,400 (34.3)	6,850 (44.3)	3,780 (54.1)	1,890 (64.3)

NOTE: () Reference radii are in feet.



35 - 110 ft.
(10.6 - 33.5 m)



12,000 lbs.
(5443 kg)



Pick & Carry
Up to 2.5 MPH
29.5 x 25 (28 PR) Tires



Over Front



Pounds

(Feet)	35	40	50	*60	70
10	50,650 (63.5)	47,450 (66.5)	32,700 (71.5)		
12	47,400 (60)	47,400 (63.5)	32,700 (69)	32,700 (74)	
15	41,300 (54)	41,300 (59)	32,700 (65.5)	32,700 (71)	24,000 (74)
20	31,000 (43)	31,000 (50.5)	31,000 (59)	31,000 (66)	24,000 (70)
25	21,150 (29)	21,150 (40.5)	21,150 (52.5)	21,150 (60.5)	21,150 (65.5)
30		15,300 (28)	15,300 (45)	15,300 (55)	15,300 (61)
35			11,350 (36.5)	11,350 (48.5)	11,350 (56.5)
40			8,590 (25)	8,590 (41.5)	8,590 (51.5)
45				6,490 (33.5)	6,490 (46)
50				4,860 (23)	4,860 (39.5)
55					3,630 (32.5)
60					2,610 (23)

NOTE: () Boom angles are in degrees.

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

Boom Angle	35	40	50	*60	70
0°	16,900 (29.2)	12,400 (34.3)	6,850 (44.3)	3,780 (54.1)	1,890 (64.3)

NOTE: () Reference radii are in feet.

Weight Reductions for Load Handling Devices

32 ft. Fixed Extension (Stowed on Boom Base Section)	521 lbs.
32 ft. - 56 ft. Tele. Extension (Stowed on Boom Base Section)	718 lbs.
32 ft. Fixed Extension (Erected)	5,851 lbs.
32 ft. Tele. Extension (Erected)	8,636 lbs.
44 ft. Tele. Extension (Erected)	10,307 lbs.
56 ft. Tele. Extension (Erected)	12,066 lbs.

AUXILIARY BOOM HEAD	220 lbs.
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HOOKBLOCKS and HEADACHE BALLS:

50 Ton, 4 Sheave	1,469 lbs. +
45 Ton, 3 Sheave w/Cheekplates	977 lbs. +
45 Ton, 3 Sheave w/o Cheekplates	830 lbs. +
15 Ton, 1 Sheave	420 lbs. +
5 Ton Headache Ball	172 lbs. +
7 1/2 Ton Headache Ball	338 lbs. +
10 Ton Headache Ball	560 lbs. +

+Refer to rating plate for actual weight.