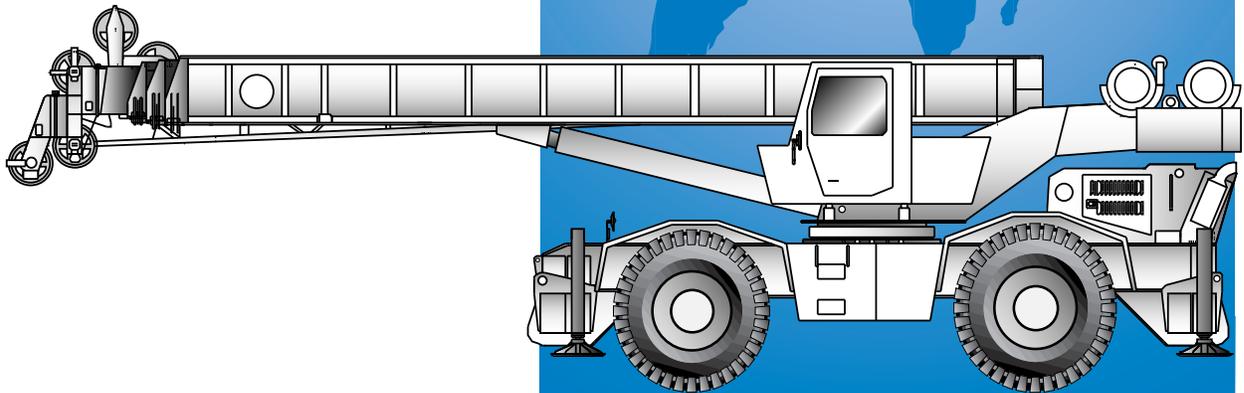




GROVE[®]
CRANE

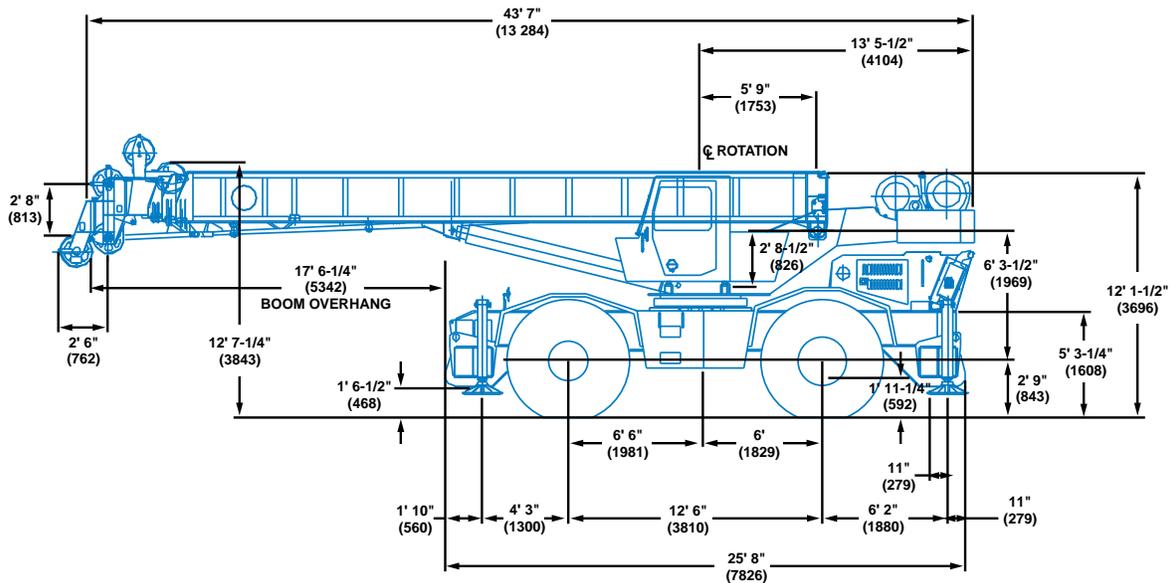
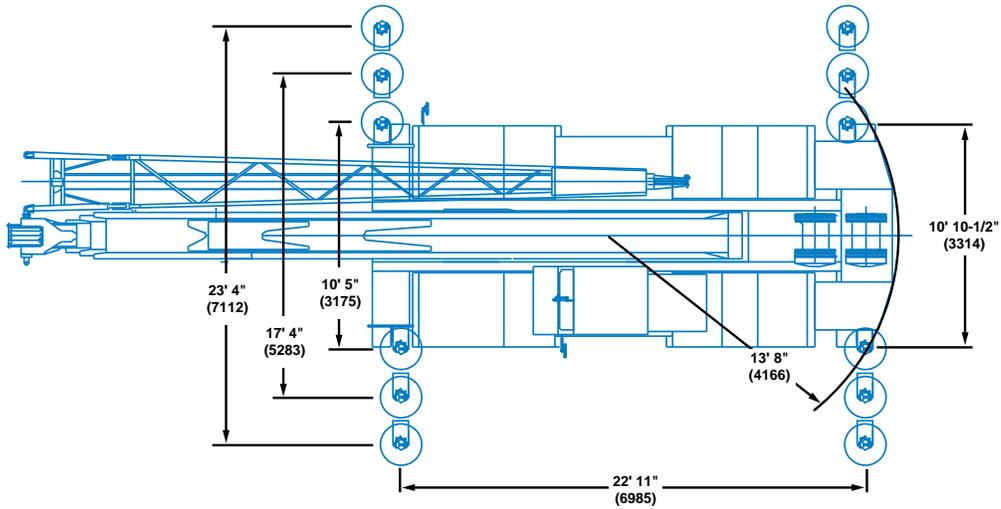
A GROVE WORLDWIDE COMPANY

RT750



Rough Terrain Hydraulic Crane

Dimensions

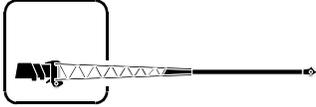


Note: () Reference dimensions in mm

Working Range



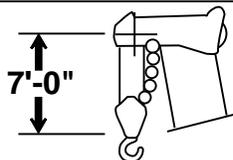
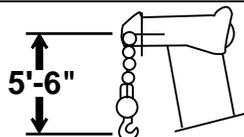
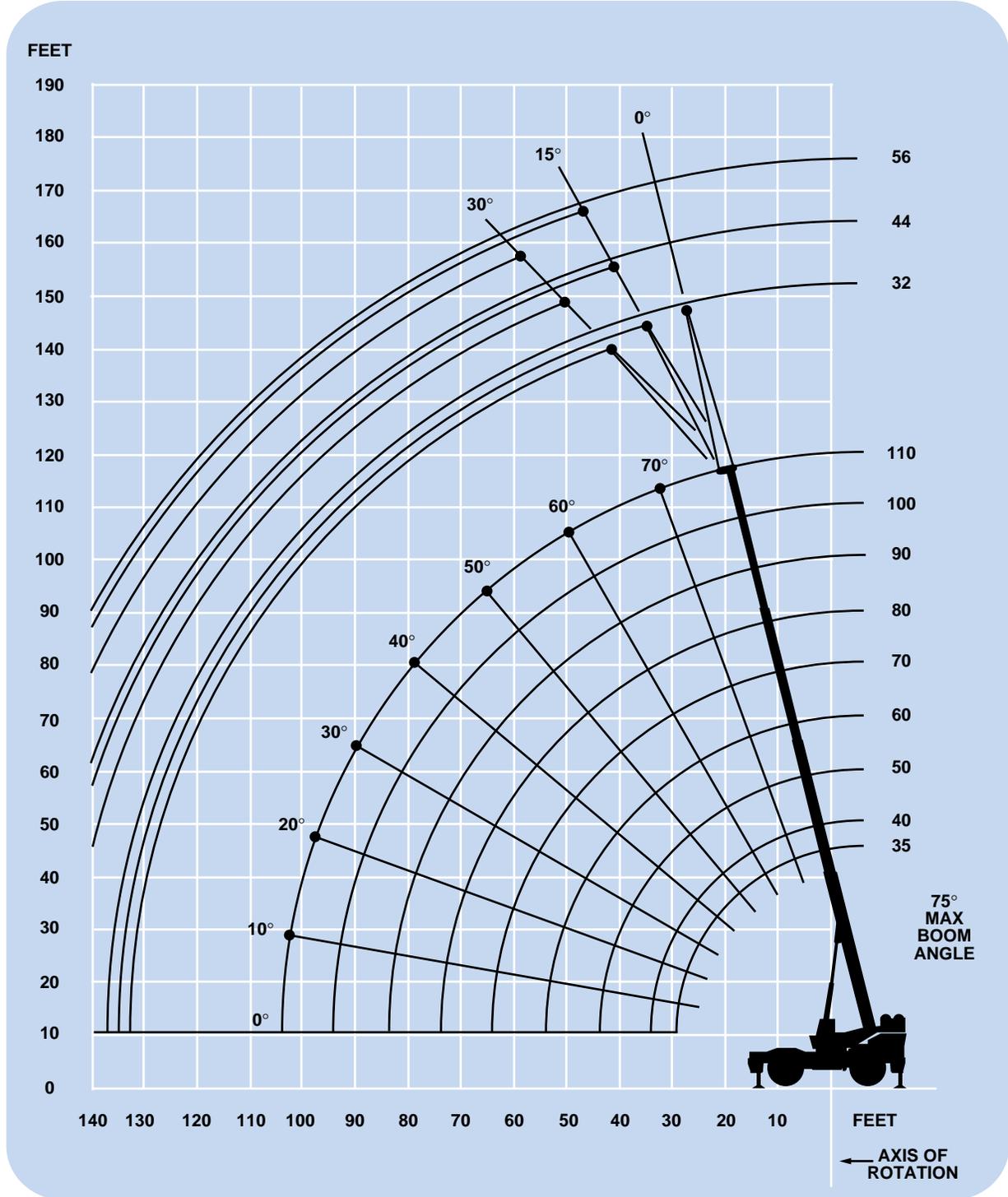
35 - 110 ft.
(10.6 - 33.5 m)



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.

Superstructure specifications

Boom

35 ft. - 110 ft. (10.6 m - 33.5 m) four-section full power boom.
Maximum tip height: 117 ft. (35.6 m).

Lattice Extension

32 ft. (9.8 m) lattice swingaway extension. Offsettable at 0°, 15° or 30°. Stows alongside base boom section.
Maximum tip height: 147 ft. (44.8 m).

*Optional Telescoping Lattice Extension

32 ft. to 44 ft. or 56 ft. (9.8 m to 13.4 m or 17.1 m) telescoping lattice swingaway boom extension offsettable at 0°, 15° or 30°. Stows alongside base boom section.
Maximum tip height: 170 ft. (51.8 m).

Boom Nose

Four steel sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards. Quick reeve type boom nose.
*Optional auxiliary boom nose.

Boom Elevation

Dual double acting hydraulic cylinders with integral holding valves provide elevation from -4° to 75°.

Load Moment & Anti-Two Block System

Standard load moment and anti-two block system with audio-visual warning and control lever lock-out. These systems provide electronic display of boom length, boom angle, radius, tip height, relative load moment, maximum permissible load and load indication and warning of impending two-block condition.

Cab

Full vision, all steel fabricated with acoustical lining and tinted safety glass throughout. Complete driving controls and engine instrumentation. Dash mounted control levers for all craning functions. Other standard features include: hinged skylight, sliding left side door and sliding right side window, electric windshield wash-wipe, propane heater, circulating air fan, fire extinguisher, seat belt and two front mounted worklights.

Swing

Ball bearing swing circle with 360° continuous rotation. Planetary glide swing with foot applied multi-disc brake. Spring applied, hydraulically released parking brake, plunger type one position and 360° mechanical house lock, operated from cab.
Maximum speed: 2.6 RPM.

Counterweight

Integral with turntable mast.
With main hoist only: 12,000 lbs.
(5443 kg)
With main & aux.: 10,350 lbs.
(4695 kg)

Hydraulic System

4 main pumps with a combined capacity of 146 G.P.M. (553 LPM).
Maximum operating pressure: 2,500 PSI (172.4 bar).

Four individual valve banks.

Return line type filter with full flow by-pass protection and service indicator. Replaceable cartridge with micron filtration rating of 15/30/38.

154 gallon (583 L) reservoir.

Remote-mounted oil cooler with thermostatically controlled electric motor driven fan/air to oil.

System pressure test ports with quick release type fittings for each circuit.

HOIST SPECIFICATIONS Main and Auxiliary Hoist

Planetary reduction with automatic spring applied multi-disc brake. Electronic hoist drum rotation indicator, hoist drum cable followers and wire rope.

	High	Low
Maximum Single Line Pull:	9,280 lbs. (4209 kg)	18,560 lbs. (8419 kg)
Maximum Single Line Speed:	532 FPM (162 m/min)	266 FPM (81 m/min)
Maximum Permissible Line Pull:		12,920 lbs. (5860 kg)
Rope Diameter:		3/4" (19 mm)
Rope Length:		500 ft. (152 m)
Maximum Rope Stowage: (3/4" 18 x 19 Class)		690 ft. (210 m)

**Denotes optional equipment*

Carrier specifications

Chassis

Box section frame fabricated from high strength, low alloy steel. Integral outrigger housings and front/rear towing and tie down lugs.

Outrigger System

Four hydraulic telescoping, single stage, double box beam outriggers with inverted jacks and integral holding valves. Three position setting, all steel fabricated, quick release type outrigger floats, 24 in. (610 mm) diameter.
Maximum outrigger pad load: 73,344 lbs. (33 269 kg).

Outrigger Controls

Controls and crane level indicator located in cab.

Engine

Cummins 6BTA 5.9 L diesel, six cylinders, turbocharged and after cooled, 200 bhp (149 kW) (Gross) @ 2,500 RPM.
Maximum torque: 600 ft. lbs. (814 Nm) @ 1,500 RPM.

*Optional Engine

Cat 3116TA diesel, six cylinders, turbocharged and after cooled, 190 bhp (142 kW) (Gross) @ 2,600 RPM.
Maximum torque: 490 ft. lbs. (664 Nm) @ 1,650 RPM.

Fuel Tank Capacity

60 gallons (227 L).

Electrical System

Two 12 V - maintenance free batteries. 12 V starting.

Drive

4 x 4

Steering

Full independent power steering:

Front: Full hydraulic steering wheel controlled.

Rear: Full hydraulic hand lever controlled.

Provides infinite variations of 4 main steering modes: front only, rear only, crab and coordinated. Rear steer indicating gauge.

Transmission

Full powershift with 6 forward and 6 reverse speeds.
Rear axle disconnect for 4 x 2 travel.

Axles

Front: Drive/steer with differential and planetary reduction hubs rigid mounted to chassis.

Rear: Drive/steer with differential and planetary reduction hubs pivot mounted to chassis.

*Optional: Cross axle differential lock front and rear.

Oscillation Lockouts

Automatic full hydraulic lockouts on rear axle permit oscillation only with boom centered over the front.

*Optional oscillation lockout override control.

Tires

29.5 x 25-28 PR earthmover type, bias tubeless.

*Optional Tires

29.5R25 radial.

Brakes

Full air split circuit operating on all wheels. Spring-applied, air released parking brake operating on front and rear axles.

Lights

Full lighting package including turn indicators, head and tail lights, brake and hazard warning lights.

Maximum Speed

20.3 mph (32.7 kph).

Gradeability (Theoretical)

128% (Based on 87,500 lbs. [39 690 kg] GVW) 29.5 x 25 tires, pumps disengaged, 110 ft. (33.5 m) boom, plus 32 ft. (9.8 m) swingaway.

Miscellaneous Standard Equipment

Full width steel fenders, dual rear view mirrors, hook block tiedown, electronic back-up alarm, front storage well, light package, air dryer, 360° mechanical house lock, tachometer/hourmeter, low oil pressure/high water temperature a/v warning system.

*Optional Equipment

* 360° flashing light

* Cab spotlight

* Engine block heater

* Manual skylight wiper

* Hookblocks (quick reeve type)

* Headache ball

* Tow winch (15,000 lbs. [6804 kg] single line pull

* Tire inflation kit

* Tool kit

* Pintle hooks - front and rear

* Diesel heater/defroster

* Hydraulic oil cab heater

* Air conditioner

* LMI light bar

**Denotes optional equipment*



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.

A6-829-015221



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

Minimum boom angle (deg.) for indicated length

10

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

100

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.

A6-829-015222



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.

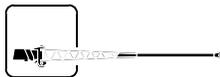
**32 ft. tele. length is also applicable to 32 ft. fixed length, however, the LMI code will change for the 0°, 15° and 30° offsets respectively.

A6-829-015224

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.



35 - 110 ft.
(10.6 - 33.5 m)



32 - 56 ft.
(9.8 - 17.1 m)



12,000 lbs.
(5443 kg)



50%
17' 4" Spread



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	5,410 (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	4,440 (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	3,610 (54.5)	4,020 (58.5)	3,980 (59.5)	4,150 (59)	3,450 (62)	2,850 (65.5)	3,500 (62)	2,670 (66)	2,130 (69.5)
85	2,890 (52)	3,250 (56)	3,620 (57)	3,440 (56.5)	3,300 (60)	2,720 (63)	3,300 (60)	2,500 (64)	2,050 (67)
90	2,260 (49.5)	2,580 (53)	2,900 (54)	2,820 (54.5)	3,200 (57.5)	2,670 (60.5)	2,890 (57.5)	2,400 (62)	2,000 (65)
95	1,700 (46.5)	1,980 (50)	2,270 (51)	2,270 (52)	2,750 (55)	2,600 (58)	2,390 (55.5)	2,330 (59.5)	1,930 (63)
100	1,200 (44)	1,450 (47.5)	1,700 (48)	1,780 (49.5)	2,200 (52.5)	2,580 (55.5)	1,940 (53.5)	2,250 (57.5)	1,890 (60.5)
105			1,200 (45)	1,340 (47)	1,700 (50)	2,070 (53)	1,540 (51)	2,150 (55)	1,830 (58)
110					1,250 (47)	1,570 (50)	1,180 (48.5)	1,740 (53)	1,800 (56)
115						1,120 (47)		1,340 (50)	1,750 (53)
120									1,410 (50.5)
125									1,010 (47.5)
0.1A (lbs.)	745	735	715	695	685	660	650	640	615
Minimum boom angle (deg.) for indicated length (no load)	35	35	35	40	40	40	40	46	47
Maximum boom length (ft.) at 0 degree boom angle (no load)		80			80			80	

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.

A6-829-015225



35 - 110 ft.
(10.6 - 33.5 m)



12,000 lbs.
(5443 kg)



Stationary
29.5 x 25 (28 Ply) Tires



360°



(Feet)



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.

A6-829-015218A



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



(Feet)



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.

A6-829-015219A



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.

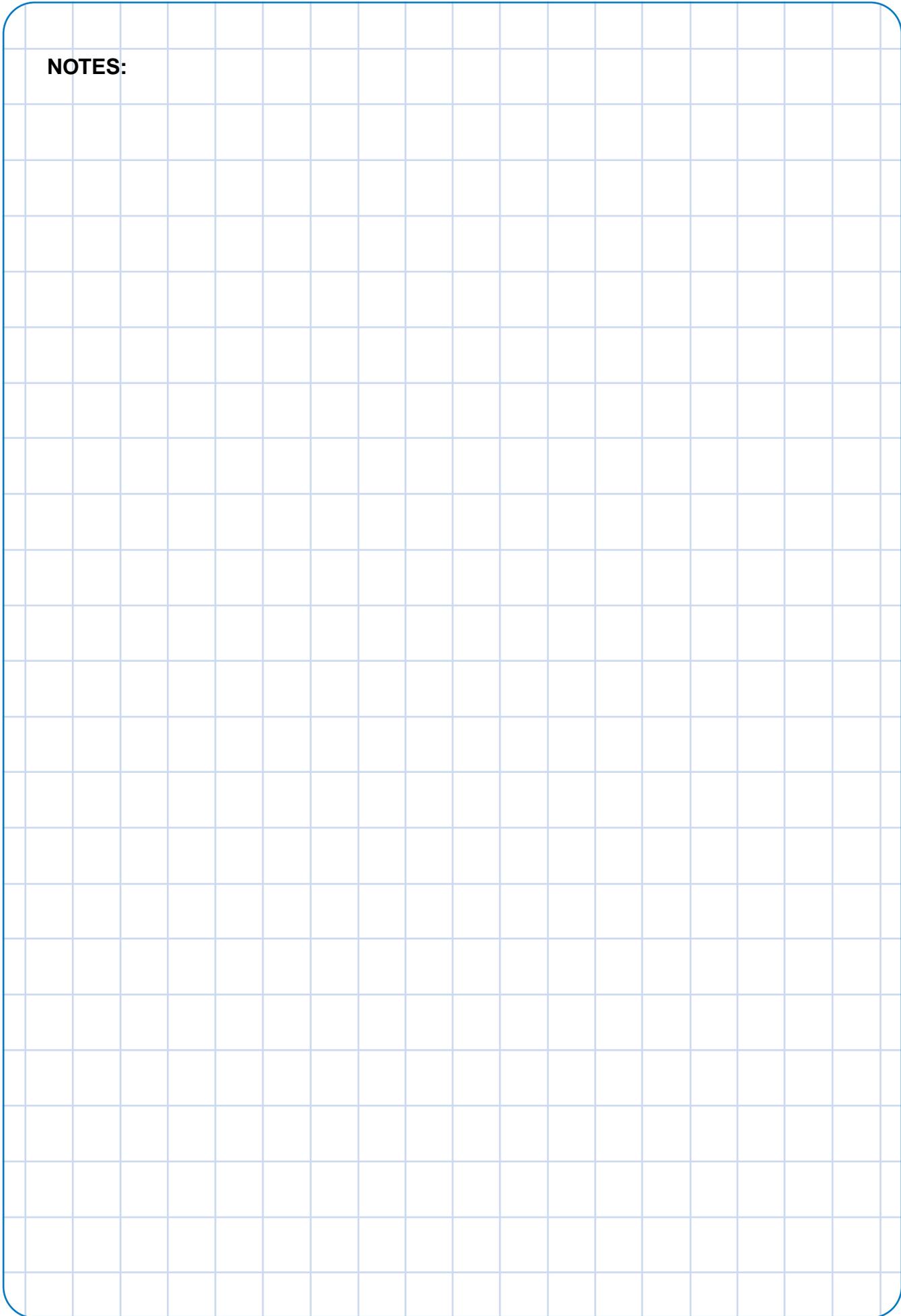
A6-829-015220

Weight Reductions for Load Handling Devices

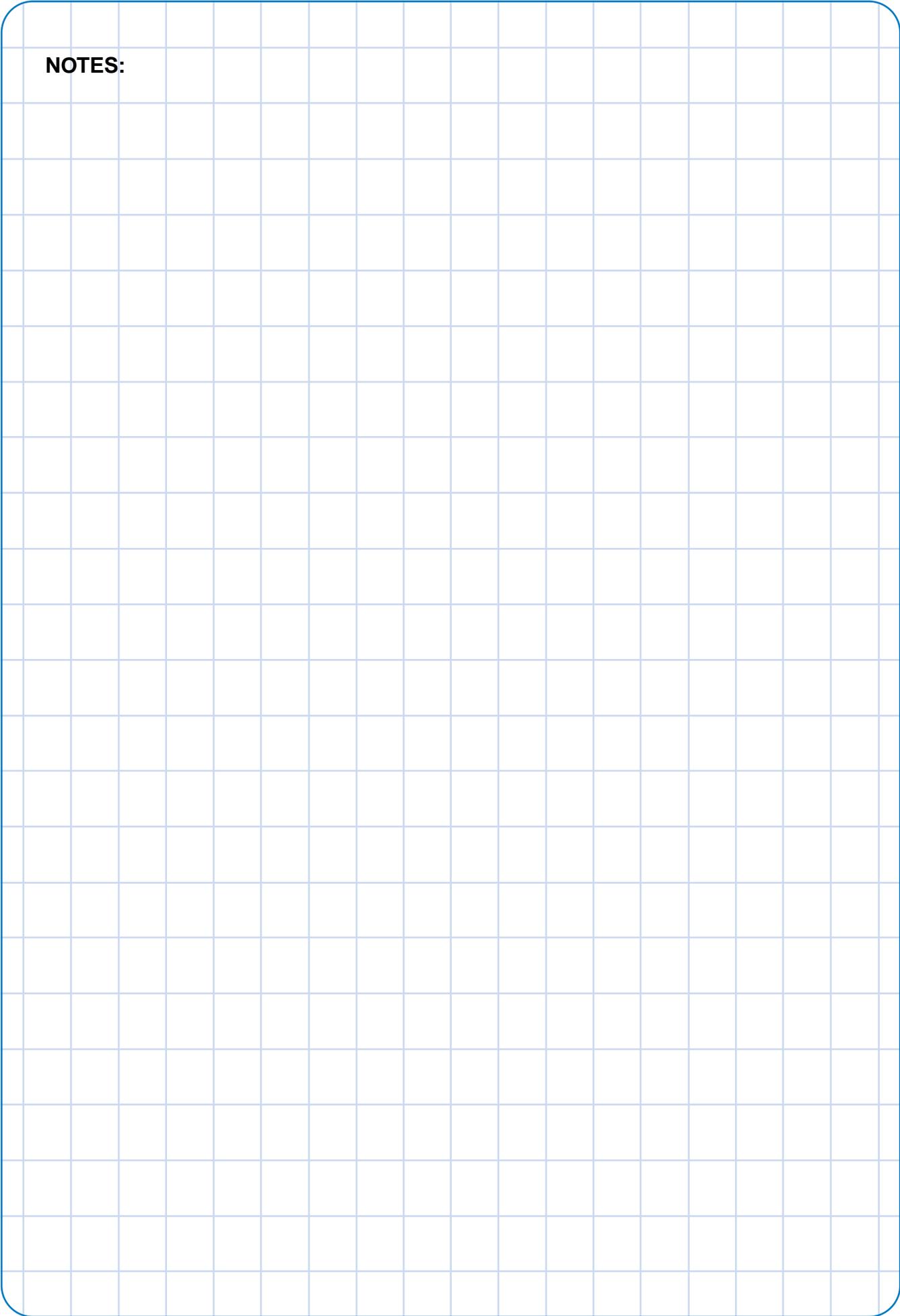
32 ft. Fixed Extension (Stowed on Boom Base Section)	521 lbs.
32 ft. - 56 ft. Tele. Extension (Stowed on Boom Base Section)	718 lbs.
32 ft. Fixed Extension (Erected)	5,851 lbs.
32 ft. Tele. Extension (Erected)	8,636 lbs.
44 ft. Tele. Extension (Erected)	10,307 lbs.
56 ft. Tele. Extension (Erected)	12,066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

AUXILIARY BOOM HEAD	220 lbs.
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.	

NOTES:



NOTES:



Rated Lifting Capacities

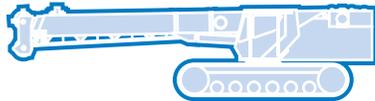
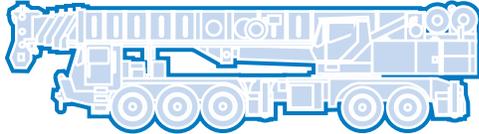
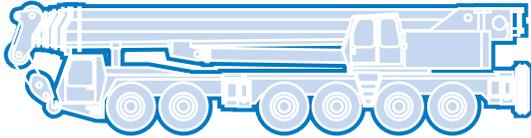
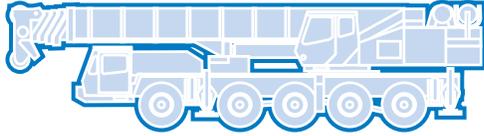
IMPORTANT NOTES:

WARNING: THIS CHART IS ONLY A GUIDE.
The notes below are for illustration only and should not be relied upon to operate the crane.
The individual crane's load chart, operating instructions and other instruction plates must be read and understood prior to operating the crane.

1. All rated loads have been tested to and meet minimum requirements of SAEJ1063 NOV93 - Cantilevered Boom Crane Structures - Method of Test, perform to SAEJ765 OCT90 Crane Stability Test Code.
2. Capacities given do not include the weight of hook blocks, slings, auxiliary lifting equipment and load handling devices. Their weights **MUST** be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.
3. Capacities appearing above the bold line are based on structural strength. Tipping should never be relied upon as a capacity indication.
4. All capacities are for crane on firm, level surface. It may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.
5. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.
6. For outrigger operation, ALL outriggers shall be properly extended with tires raised free of ground before raising the boom or lifting loads.

Symbols Glossary

	Frame		Steering
	Outriggers		Transmission
	Outrigger Controls		Axles
	Engine		Brakes
	Fuel Tank Capacity		Tires
	Electrical System		Suspension
	Drive		Rotation
	Lights		Boom Elevation
	Cab		Swing
	Boom		Counterweight
	Fixed Swingaway		Oil
	Tele-Swingaway		Hydraulic System
	Jib		Hoist
	Boom Nose		Radius
	Boom Extension		Boom Length
	Speed		Hookblock
	Grade		Gear
	Lattice Extension		Luffing Jib



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Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.

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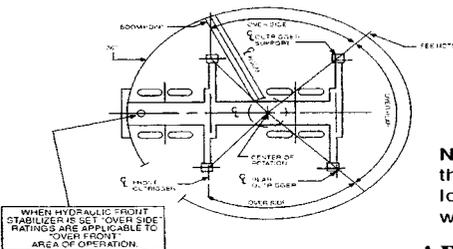
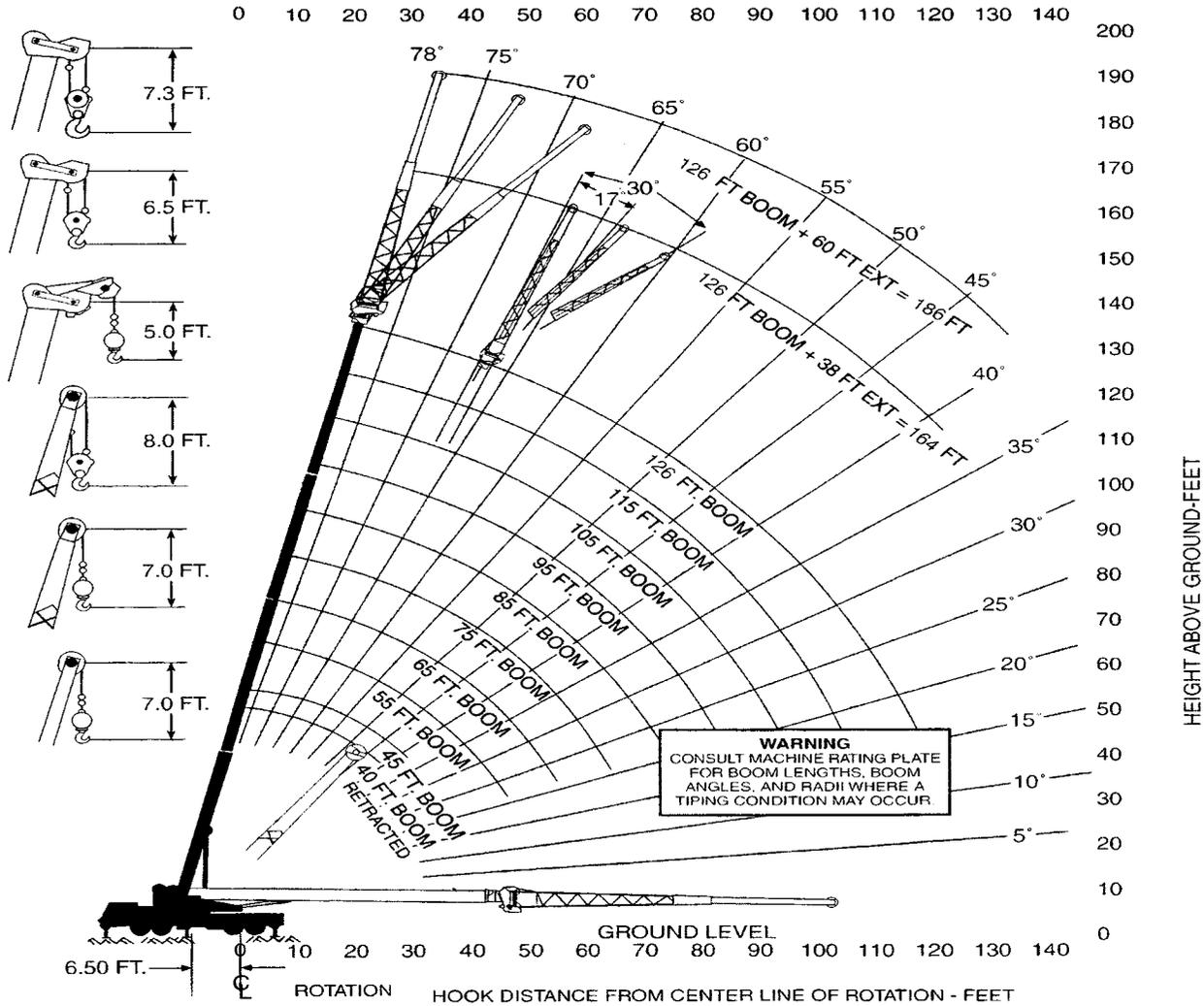
T750

Truck Crane
75 Ton Capacity

Range diagram & lifting capacities

T 750 RANGE DIAGRAM

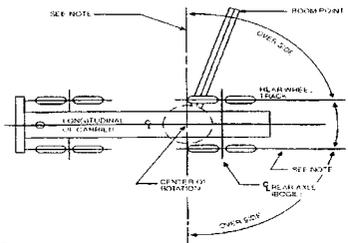
RANGE DIAGRAM T 750 126' FULL POWER BOOM



ON OUTRIGGERS

NOTE: These lines determine the limiting position of any load for operating within working areas indicated.

AREAS OF OPERATION

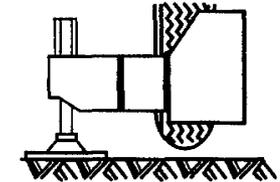
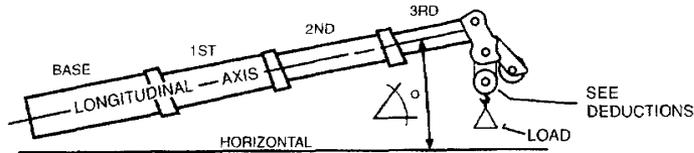


ON TIRES

RATED LIFTING CAPACITIES IN POUNDS

40.5 - 126 FT BOOM ON FULLY EXTENDED OUTRIGGERS - 360°
9700 POUND TOTAL COUNTERWEIGHT

9700 POUND TOTAL COUNTERWEIGHT



POWERED BOOM LENGTH IN FEET

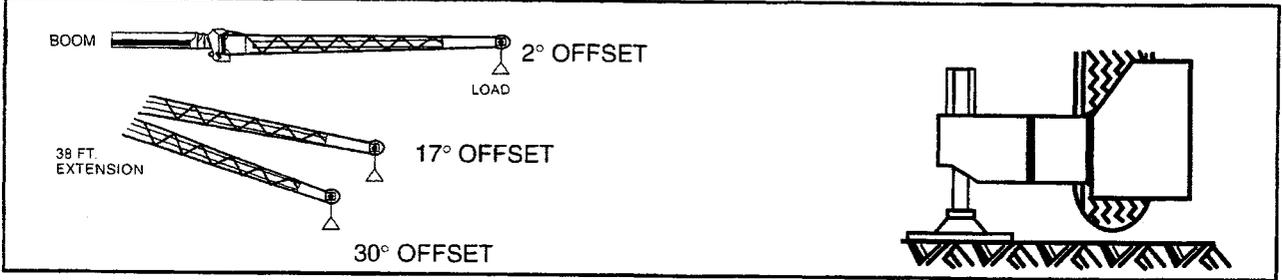
LOAD RADIUS FT.	40.5 FT		45 FT		55 FT		65 FT		75 FT		85 FT		95 FT		105 FT		115 FT		126 FT		LOAD RADIUS FT.	
	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB	LOADED BOOM ANGLE Δ°	LOAD, LB		
		SIDE		SIDE		SIDE		SIDE		SIDE		SIDE		SIDE		SIDE		SIDE		SIDE		SIDE
10	68	150000	71	102000	74	95000															10	
12	65	116000	68	100000	72	94700	75	77800														12
15	60	92500	64	91700	69	89000	73	73200	75	61000												15
20	51	69600	56	69500	63	69000	68	64000	71	55700	74	48200	76	40000								20
25	41	55600	48	55200	57	54600	63	54000	67	48500	70	42200	73	36300	75	31600	77	28200				25
30	28	44500	38	44700	50	45100	58	45000	63	44500	67	39000	70	32400	72	28800	74	25400	76	22500		30
35			25	34800	43	35400	52	35400	58	35000	63	33400	67	29500	69	25800	72	23100	74	20500		35
40				34	27300	46	27600	54	27900	59	27200	63	26700	66	23200	69	21000	72	18800			40
45				22	21600	39	21900	48	22100	55	22300	60	21900	63	21000	66	19200	69	17100			45
50					31	17700	43	17900	50	18100	56	18300	60	18300	64	17500	67	15700				50
55					21	14400	37	14700	46	14800	52	15100	57	15100	61	15200	64	14800				55
60							29	12100	40	12300	48	12600	53	12600	57	12600	61	12700				60
65							19	10000	35	10200	43	10500	49	10400	54	10500	58	10600				65
70									28	8400	38	8800	46	8700	51	8700	56	8800				70
75									18	7000	33	7300	41	7200	47	7300	53	7400				75
80											26	6100	37	6000	44	6000	49	6100				80
85											17	5000	31	4900	40	5000	46	5000				85
90													25	3900	35	4000	43	4100				90
95													17	3100	30	3200	39	3300				95
100															24	2400	35	2500				100
ZERO DEGREE BOOM ANGLE LOADS (LB) / (RADII (FT.))																						
	0	3000 (34.0)	0	18700 (38.5)	0	12300 (48.5)	0	8600 (58.5)	0	6300 (68.5)	0	4700 (78.5)	0	3200 (88.5)		0 (98.5)						

MIN. BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD)	-2
MAX. BOOM LENGTH (FEET) AT -2 DEGREE BOOM ANGLE (NO LOAD)	105

RATED LIFTING CAPACITIES IN POUNDS

126 FT BOOM FULLY EXTENDED
 126 FT. BOOM PLUS EXTENSION
 FULLY EXTENDED OUTRIGGERS - 360°

9700 POUND TOTAL COUNTER WEIGHT



2 DEG EXT OFFSET WITH STINGER RETRACTED		REF. LOAD RADIUS FT.
FOR BOOM LENGTHS >128.0 FT - 164 FT		
LOADED BOOM ANGLE Δ°	LOAD, LB 360°	FOR 164 FOOT BOOM ONLY
77	11200	40
75	10500	45
74	9900	50
72	9300	55
70	8800	60
68	8300	65
67	7800	70
65	7400	75
63	6900	80
60	5800	85
58	4800	90
53	3200	100

17 DEG EXT OFFSET WITH STINGER RETRACTED		REF. LOAD RADIUS FT.
FOR BOOM LENGTHS >128.0 FT - 164 FT		
LOADED BOOM ANGLE Δ°	LOAD, LB 360°	FOR 164 FOOT BOOM ONLY
77	8700	50
75	8400	55
73	8000	60
72	7700	65
70	7300	70
68	6900	75
66	6500	80
64	6200	85
61	5600	90
56	3800	100
51	2400	110

30 DEG EXT OFFSET WITH STINGER RETRACTED		REF. LOAD RADIUS FT.
FOR BOOM LENGTHS >128.0 FT - 164 FT		
LOADED BOOM ANGLE Δ°	LOAD, LB 360°	FOR 164 FOOT BOOM ONLY
77	6800	55
75	6500	60
74	6400	65
72	6200	70
70	6000	75
68	5800	80
66	5700	85
63	5500	90
59	4300	100
53	2800	110

2 DEG EXT OFFSET WITH STINGER EXTENDED		REF. LOAD RADIUS FT.
FOR BOOM LENGTHS >150.0 FT - 186 FT		
LOADED BOOM ANGLE Δ°	LOAD, LB 360°	FOR 186 FOOT BOOM ONLY
77	7100	45
76	6800	50
75	6600	55
73	6300	60
72	6100	65
70	5700	70
68	5500	75
67	5300	80
65	5200	85
64	5100	90
60	4600	100
56	3300	110
51	2200	120

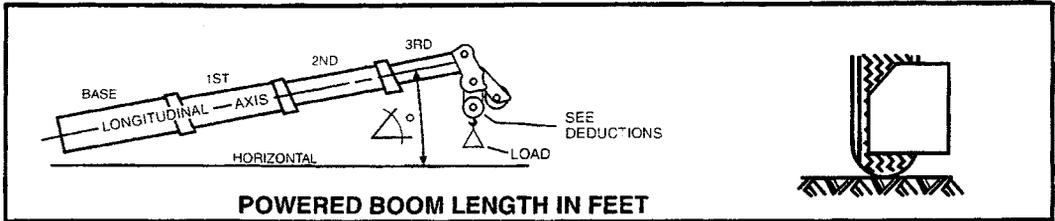
17 DEG EXT OFFSET WITH STINGER EXTENDED		REF. LOAD RADIUS FT.
FOR BOOM LENGTHS >150.0 FT - 186 FT		
LOADED BOOM ANGLE Δ°	LOAD, LB 360°	FOR 186 FOOT BOOM ONLY
77	5000	60
76	4900	65
74	4600	70
72	4400	75
71	4200	80
69	4100	85
67	3900	90
64	3400	100
60	3400	110
56	2900	120
51	1900	130

30 DEG EXT OFFSET WITH STINGER EXTENDED		REF. LOAD RADIUS FT.
FOR BOOM LENGTHS >150.0 FT - 186 FT		
LOADED BOOM ANGLE Δ°	LOAD, LB 360°	FOR 186 FOOT BOOM ONLY
77	3700	70
76	3600	75
74	3500	80
72	3300	85
70	3200	90
67	3100	100
63	3000	110
59	2700	120
54	2100	130

RATED LIFTING CAPACITIES IN POUNDS

40.5 - 75 FT BOOM ON TIRES
CREEP - OVER REAR

9700 POUND TOTAL COUNTER WEIGHT



POWERED BOOM LENGTH IN FEET

LOAD RADIUS FT.	40.5 FT		45 FT		55 FT		65 FT		75 FT		LOAD RADIUS FT.
	LOADED BOOM ANGLE Δ°	LOAD, LB									
		REAR									
10	68	32600	70	32300	74	31600					10
12	65	29500	68	29200	72	28700	75	28200			12
15	60	25500	63	25400	69	25000	72	24600	75	24200	15
20	51	20400	56	20300	63	20100	67	19900	71	19600	20
25	41	16300	47	16300	57	16200	62	16100	67	15900	25

ZERO DEGREE BOOM ANGLE LOADS (LB) / (RADII (FT.))

0	9100 (34.0)	0	6700 (38.5)	0	3200 (48.5)		0 (58.5)			
---	----------------	---	----------------	---	----------------	--	-------------	--	--	--

MINIMUM BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD)	-2
MAXIMUM BOOM LENGTH (FEET) AT -2 DEGREE BOOM ANGLE (NO LOAD)	65

TIRE INFLATION CHART

TIRE SIZE	ROADING	CREEP
14.00R20	90	105
315/80R22.5	115	115
425/65R22.5	120	120

2080 MAIN & AUXILIARY HOIST REEVING 6 X 37

.75 INCH (19mm) DIAMETER ROPE BREAKING STRENGTH 58800 LB. (26600 KG)

PARTS OF LINE	1	2	3	4	5	6	7	8	9	10
MAXIMUM LOAD-LBS.	15000	30000	45000	60000	75000	90000	105000	120000	135000	150000
MAXIMUM LOAD-KGS.	6800	13600	20400	27200	34000	40800	47600	54400	61200	68100

HOIST REEVING 8 X 19 ROTATION RESISTANT

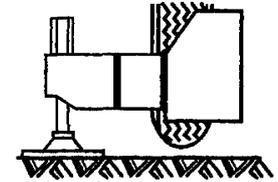
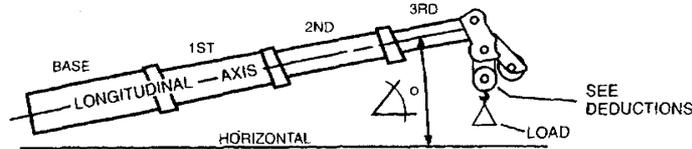
.75 INCH (19mm) DIAMETER ROPE BREAKING STRENGTH 51800 LB. (23500 KG)

PARTS OF LINE	1	2	3	4	5	6	7	8	9	10
MAXIMUM LOAD-LBS.	10350	20700	31050	41400	51750	62100	72450	82800	93150	103500
MAXIMUM LOAD-KGS.	4600	9300	14000	18700	23400	28100	32800	37500	42200	46900

RATED LIFTING CAPACITIES IN POUNDS

40.5 - 126 FT BOOM ON FULLY EXTENDED OUTRIGGERS - OVER REAR
 9700 POUND TOTAL COUNTERWEIGHT LOAD MOMENT DEVICE (LMI) CODE # 04

9700 POUND TOTAL COUNTERWEIGHT



POWERED BOOM LENGTH IN FEET

LOAD RADIUS FT.	40.5 FT		45 FT		55 FT		65 FT		75 FT		85 FT		95 FT		105 FT		115 FT		126 FT		LOAD RADIUS FT.	
	LOADED BOOM ANGLE Δ°	LOAD, LB																				
		REAR		REAR																		
10	68	150000	71	102000	74	95000															10	
12	65	116000	68	100000	72	94700	75	77800														12
15	60	92500	64	91700	69	89000	73	73200	75	61000												15
20	51	69600	56	69500	63	69000	68	64000	71	55700	74	48200	76	40000								20
25	41	55600	48	55200	57	54600	63	54000	67	48500	70	42200	73	36300	75	31600	77	28200				25
30	28	44500	38	44700	50	45100	58	45000	63	44500	67	39000	70	32400	72	28800	74	25400	76	22500		30
35			25	36000	43	35800	52	35400	58	35000	63	33400	67	29500	69	25800	72	23100	74	20500		35
40					34	28300	46	28000	54	27800	59	27200	63	26700	66	23200	69	21000	72	18800		40
45					22	23300	39	23700	49	23100	55	22500	60	21900	63	21000	66	19200	69	17100		45
50							31	19400	43	19700	50	19800	56	18900	60	18400	64	17500	67	15700		50
55							21	16200	37	16400	46	16500	52	16800	57	16700	61	16000	64	14800		55
60									29	13700	40	13900	48	14200	53	14100	58	14200	61	13600		60
65									19	11600	35	11700	43	12100	50	12000	54	12000	59	12100		65
70											28	9900	38	10300	46	10200	51	10200	56	10300		70
75											18	8400	33	8800	41	8600	48	8700	53	8800		75
80													26	7500	37	7300	44	7400	50	7500		80
85													17	6300	32	6200	40	6300	46	6300		85
90															25	5200	35	5300	43	5300		90
95															17	4300	30	4400	39	4500		95
100																	24	3600	35	3700		100
110																			25	2300		110

ZERO DEGREE BOOM ANGLE LOADS (LB) / (RADI (FT.))

0	23000 (34.0)	0	18700 (38.5)	0	12300 (48.5)	0	8600 (58.5)	0	6300 (68.5)	0	4700 (78.5)	0	3400 (88.5)	0	2500 (98.5)	0	0 (108.5)	0	0 (119.5)		
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MIN. BOOM ANGLE (DEG) FOR INDICATED BOOM LENGTH (NO LOAD)	-2
MAX. BOOM LENGTH (FEET) AT -2 DEGREE BOOM ANGLE (NO LOAD)	126

GENERAL NOTES

GENERAL

1. Rated loads as shown on lift charts pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment other than that specified can result in a Reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the Operators, Parts and Safety Manuals supplied with this machine. If these manuals are missing, Order replacements from the manufacturer thru your distributor.
3. These warnings do not constitute all of the operating conditions for the crane. The operator and job site supervision must read the OPERATORS MANUAL, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS, AND SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDARDS FOR CRANES.
4. This crane and its load ratings are in accordance with POWER CRANE & SHOVEL ASSOCIATION, STANDARD NO. 4 SAE CRANE LOAD STABILITY TEST CODE J765A, SAE METHOD OF TEST FOR CRANE STRUCTURE J1063 AND APPLICABLE SAFETY CODE FOR CRANE, DERRICKS AND HOISTS, ASME/ANSI B30.5.

DEFINITIONS

1. **LOAD RADIUS-** The horizontal distance from the axis of rotation Before loading to the center of the vertical hoist line or tackle with a Load applied.
2. **LOADED BOOM ANGLE-** It is the angle between the boom base Section and the horizontal, after lifting the rated load at the rated Radius. The boom angle before loading should be greater to account for deflections. The loaded boom angle combined with boom length give only an approximation of the operating radius.
3. **WORKING AREA-** Areas measured in a circular arc about the centerline of rotation as shown in the diagram.
4. **FREELY SUSPENDED LOAD-** Load hanging free with no direct External force applied except by the hoist rope.
5. **SIDE LOAD-** Horizontal force applied to the lifted load either on the ground or in the air.
6. **NO LOAD STABILITY LIMIT-** The stability limit radius shown on the range diagrams is the radius beyond which it is not permitted to position the boom, when the boom angle is less than the minimum shown on the applicable load chart, because the machine can overturn without any load.

SET-UP

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.
3. Crane load ratings on tires depend on appropriate inflation pressure and the tire conditions. Caution must be exercised when increasing air pressure in tires. Consult operator's manual for precautions.
4. Use of jibs, lattice-type boom extensions, our fourth section pullouts extended is not permitted for pick and carry operations.
5. Consult appropriate section of the Operator's and Service manual for more exact descriptions of hoist line reeving.
6. The use of more parts of line than required by the load may result in having insufficient rope to allow the hook block to reach the ground.
7. Properly maintained wire rope is essential for safe crane operation. Consult Operator's Manuals for proper maintenance and inspection requirements.

8. When spin resistant wire rope is used, the allowable rope loading shall be the breaking strength divided by 5, unless otherwise specified by the wire rope manufacturer.

OPERATION

1. **CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.**
2. When either radius or boom length, or both, are between listed values, The smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams).
4. The boom angles shown on the capacity chart give an approximation of the operating radius for a specified boom length. The boom angle before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. Rated loads include the weight of hook block, slings, and auxiliary lifting devices. Their weights shall be subtracted from the listed rated load to obtain the net load that can be lifted.
When lifting over the jib the weight of any hook block, slings, and auxiliary lifting devices at the boom head must be added to the load. When jibs are erected but unused add 2 times the weight of any Hook block, slings, and auxiliary lifting devices at the jib head to the loads.
7. Rated loads do not exceed 85% on outriggers or 75% on tires, of the tipping loads as determined by SAE Crane Stability Test Code J765A. Rated loads for partially extended outriggers are determined from the Formula. $\text{Rated Load} = (\text{Tipping Load} - 0.1 \times \text{Tip Reaction}) / 1.25$. Structural strength ratings in chart are indicated with an asterisk *.
8. Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.
9. The user shall operate at reduced ratings to allow for adverse job conditions, such as soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc. (side pull on boom or jib is hazardous) Derating of the cranes lifting capacity is required when wind speed exceeds 20-mph. The center of the lifted load must never be allowed to move more than 3* ft. off the center line of the base boom section due to effects of wind, inertia, or both.
**Use 2 feet off the center line of the base boom for a two section boom, 3 feet for a three section boom, or 4 feet for a four section boom.
10. The maximum load that can be telescoped is not definable, because of variations in loadings and crane maintenance, but it is Permissible to attempt retraction and extension if load ratings are not exceeded.
11. Load ratings are dependent upon the crane being maintained according to manufacturers specifications.
12. It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom had at all times.
13. **FOR TRUCK ONLY:** 360 deg. capacities apply only to machines equipped with a front outrigger jack and all 5 outrigger jacks properly set. If the front (5) outrigger jack is not properly set, the work area is restricted to the over side and over rear areas as shown on the crane Working positions diagram. Use the 360 deg. Load ratings in the overside work areas.

DEDUCTIONS TO BE MADE FROM LOAD RATINGS

HOOK BLOCK WEIGHTS

9.2 Ton Ball Hook	476 Pounds	8.3 M Ton Ball Hook	213 Kg.
20 Ton 1 Sheave Hook Block	420 Pounds	18.1M Ton 1 Sheave Hook Block	190 Kg.
75 Ton 5 Sheave Hook Block	1,220 Pounds	68M Ton 5 Sheave Hook Block	443 Kg.

Note: These weights apply only to TEREX, INC supplied equipment.

The load charts for the T750 are net load charts.

The deductions to these charts are:

1. The weight of hook block, slings and auxiliary lifting devices. Their weight must be subtracted from the listed rated lifting capacity to obtain the net load to be lifted.
2. When lifting over the lattice extension of the weight of any hook block, slings, and auxiliary lifting devices at the main boom head must be added to the load.
3. When the lattice extension is erected but unused, add three (3) times the weight of any hook block, slings, and auxiliary lifting devices at the extension head to the load. Outriggers must be in the fully extended position when lifting at the main boom head with the lattice extension erected.
4. Add 150 pounds to the chart values if the auxiliary boom head sheave is not erected.
5. All other deductions have been taken in the charts.

NOTE: All designs, specifications, and components of the equipment described above are subject to change at the manufacturer's sole discretion at any time and without advance notice. Capacity charts and information printed here are only a guide and may not be complete. They should not be relied upon to operate the crane. The individual load charts and related lifting data on each crane must be understood and govern operation of the crane. Data published herein is informational in nature and shall not be construed to warrant suitability of the machine for any particular purpose as performance may vary with conditions encountered. The only warranty applicable is out standard warranty for this machine.

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