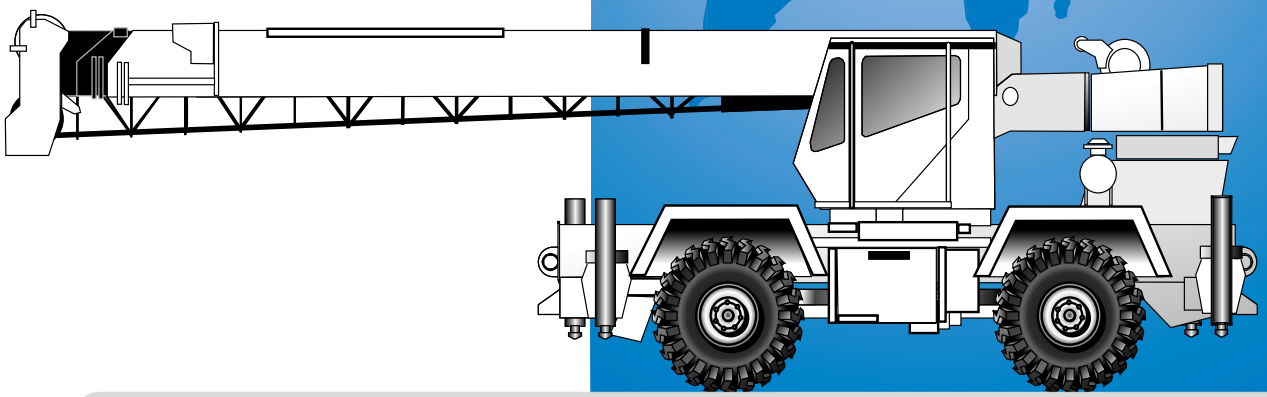
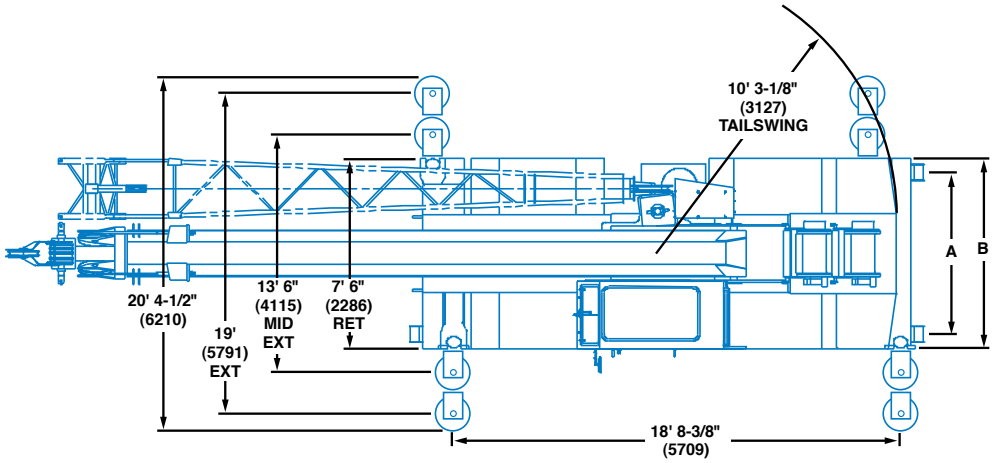
GROVE®
CRANE

RT500C

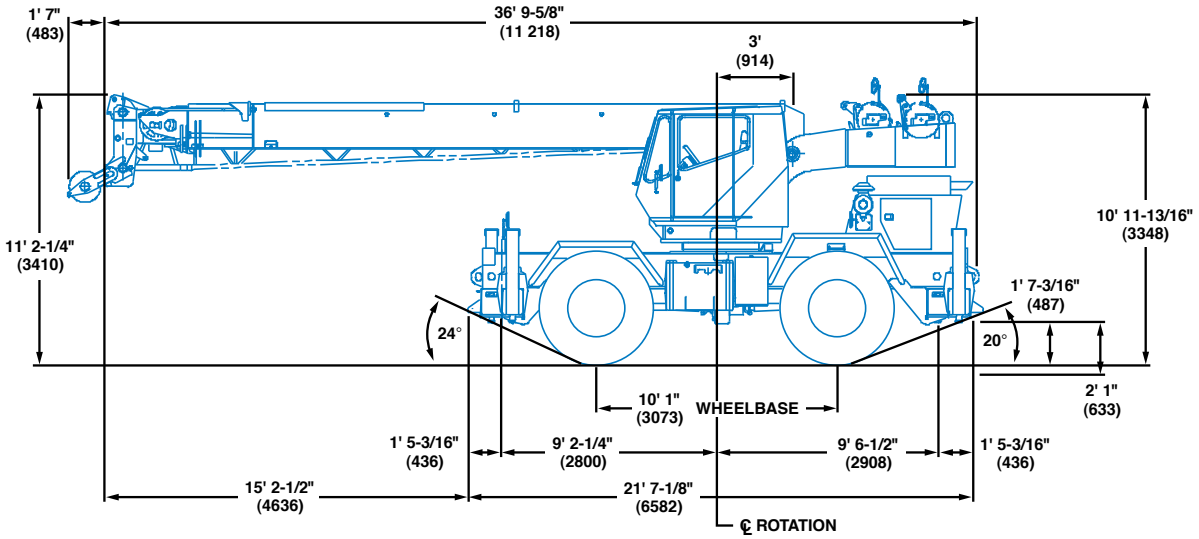


Rough Terrain Hydraulic Crane

Dimensions



TIRE SIZE	16.00 x 25	20.5 x 25
A (TRACK)	6' 5-1/2" (1969)	6' 9-1/8" (2061)
B (OAW)	8' (2438)	8' 9" (2667)
GROUND CLEARANCE	1' 7-1/8" (486)	



Note: ( ) Reference dimensions in mm

Turning Radius . . . . . 17' 0" (5182 mm)

Front Axle Load . . . . . 23,959 lbs. (10 868 kg)

Rear Axle Load. . . . . 29,094 lbs. (13 197 kg)

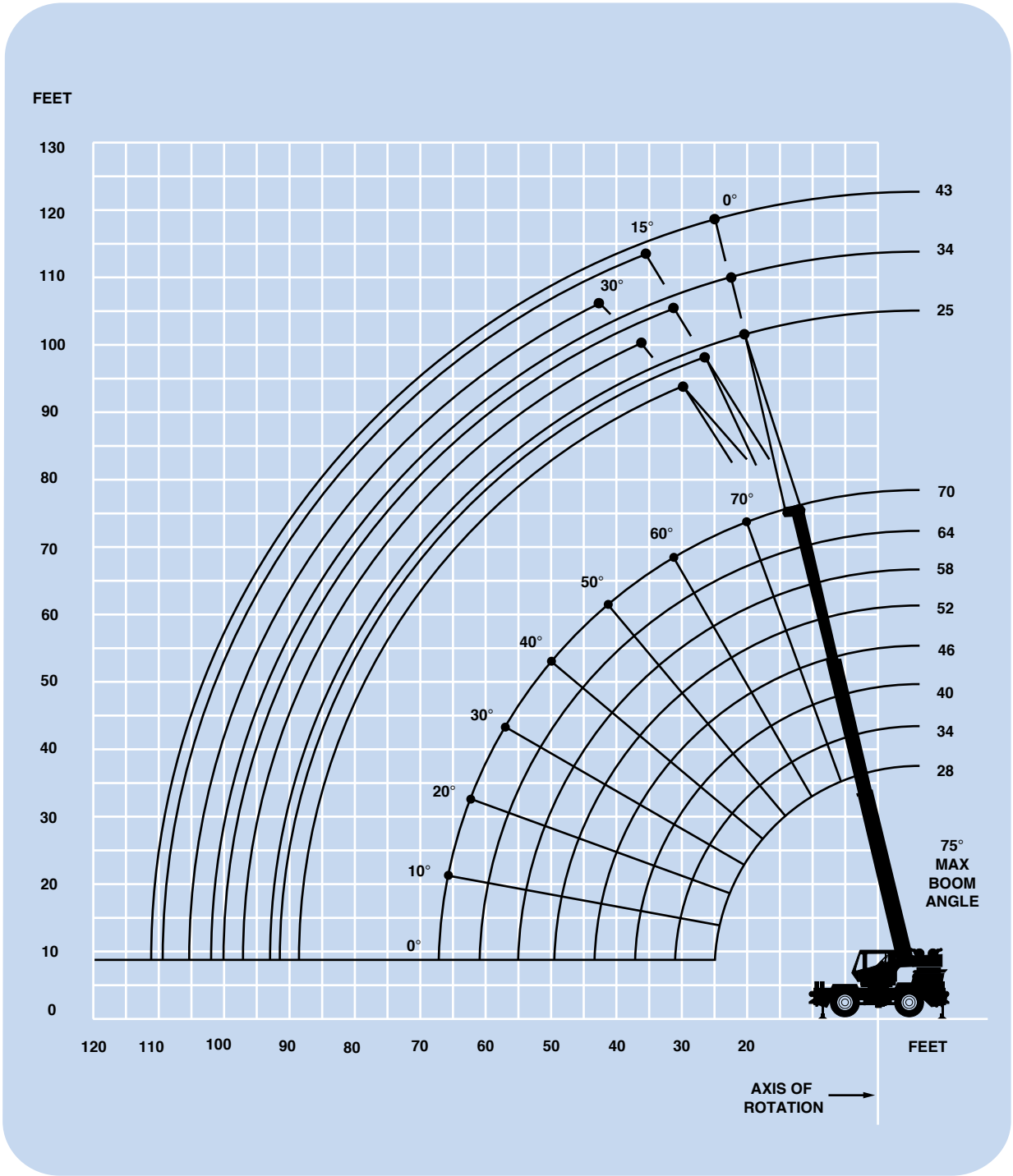
Gross Vehicle Weight . . . . . 53,053 lbs. (24 065 kg)

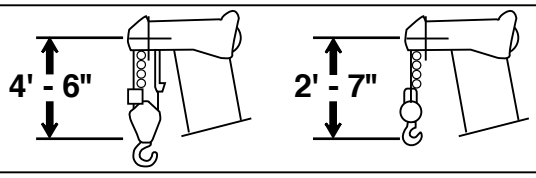
Working range

28 - 70 ft. (8.5 - 21.3 m)

25 - 43 ft. (7.6 - 13.1 m)

360°





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

Superstructure specifications

Boom
28 ft. - 70 ft. (8.5 m - 21.3 m) three-section, full power boom. Maximum tip height: 76 ft. (23.1 m).

*Optional Jib
23 ft. (7.1 m) "A" frame jib offsettable at 0°, 15° or 30°. Stows beneath base boom section.
Maximum tip height: 98 ft. (29.9 m).

*Optional Swingaway Extension
25 ft. (7.6 m) lattice swingaway boom extension. Stows alongside base boom section.
Maximum tip height: 102 ft. (31.0 m).

*Optional Telescopic Swingaway Extension
25 ft. to 34 ft. or 43 ft. (7.6 m to 10.4 m or 13.1 m) telescoping lattice swingaway extension with integral offset mechanism, offsettable at 0°, 15° or 30°. Stows alongside base boom section.
Maximum tip height: 120 ft. (36.6 m).

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

Boom Elevation
Two double acting hydraulic cylinders with integral holding valves provide elevation from 0° to 75°.

Load Moment & Anti-Two Block System
Standard load moment and anti-two block system with audio-visual warning and control lever lockout. These systems provide electronic display of boom angle, length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block condition.

Cab
Full vision, all steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe seat incorporates armrest mounted hydraulic single-axis controllers. Dash panel incoporates gauges for all engine functions. Other standard features include: telescoping tilt steering wheel, sliding side and rear windows, electric windshield wash/wipe, circulating air fan, manual skylight wiper, fire extinguisher, seat belt and ashtray.

Swing
Ball bearing swing circle with 360° continuous rotation. Grove planetary glide-swing with multi-disc wet brake. Spring applied, hydraulically released parking brake and plunger-type, one position, mechanical house lock and 360° positive swing lock operated from cab.
Maximum speed: 2.5 RPM.

Counterweight
Removable, bolted to turntable mast.
Main hoist: 10,170 lbs. (4613 kg).
Main and Auxiliary hoist: 9,120 lbs. (4136 kg).

Hydraulic System
3 main gear pumps with a combined capacity of 112.5 GPM (426 LPM) driven by carrier engine through P.T.O. *Optional pump disconnect with engine jogging switch.
Maximum operating pressure: 2500 PSI (172.4 bar).

Hoist Specifications
Main or *Auxiliary Hoist
Power up and down equal speed, grooved drum, planetary reduction with automatic spring applied multi-disc brake, hoist drum rotation indicators, cable followers.

Maximum Single Line Speed:	429 FPM (131 m/min)
Maximum Single Line Pull (1st Layer):	9,640 lbs. (4372 kg)
Maximum Permissible Line Pull w/5:1 Strength Factor:	9,080 lbs. (4119 kg) 5/8 in. (16 mm) 18 x 19 class
Maximum Rope Stowage:	375 ft. (114 m) 5/8 in. (16 m)

Denotes optional equipment

Carrier specifications

Chassis
High strength alloy steel, all welded box section design with integral outrigger housings and front/rear lifting, 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 square outrigger floats, 16.5 in. (419 mm) diameter.
Maximum outrigger pad load: 50,254 lbs. (22 795 kg).

Outrigger Controls
Controls and crane level indicator located in cab.

Engine
Cummins 6BT 5.9 L, six cylinder, turbocharged, water cooled diesel. 130 bhp (97 kW) (Gross) @ 2,500 RPM. Maximum torque: 386 ft. lbs. (523 Nm) @ 1,400 RPM.

Fuel Tank Capacity
60 gallons (227 L)

Transmission
Remote mounted powershift with 6 forward and 6 reverse speeds. 3 in high range, 3 in low range. Rear axle disconnect for 4 x 2 travel.

Electrical System
Two 12 V - maintenance free batteries, 625 CCA @ 0° F. 12 V starting and lighting.

Drive
4 x 4.

Steering
Fully 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.

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 at the center of chassis providing up to 12 in. (305 mm) oscillation.
*Optional: No spin differential on rear axle.

Oscillation Lockouts
Automatic full hydraulic lockouts on rear axle permit oscillation only with boom centered over the front.
*Optional oscillation lockout override control.

Brakes
Dual braking system, air over hydraulic operating on all wheels. Spring-applied, air released front axle mounted parking brake.

Tires
20.5 x 25 - 24PR earthmover type, tubeless.
*16.00 x 25 - 28PR earthmover type, tubeless.

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

Maximum Speed
22.8 MPH (36.7 kph).

Gradeability (Theoretical)
110.5% (Based on 51,610 lbs. [23 410 kg] GVW) 20.5 x 25 tires, pumps disengaged, 70 ft. (21.3 m) boom.

Miscellaneous Standard Equipment
Full width steel fenders, dual rear view mirrors, hookblock tiedown sling, electronic back-up alarm, light package, front stowage well, control valve for auxiliary hoist, 360° positive swing lock.

*Optional Equipment
*Auxiliary hoist
*Boom mounted worklights
*360° flashing light
*Cab spotlight
*Tachometer
*Cold start aid (less canister)
*Engine block heater
*Electric skylight wiper, with opening skylight
*Hookblocks
*Tow winch - front mounted maximum pull: 15,000 lbs. (6804 kg); maximum speed: 75 ft/min. (23 m/min).
*Spare wheel assembly
*Tire inflation kit
*Tool kit
*Pintle hook front/rear
*High speed glide system
*Propane or diesel heater/defroster
*Air conditioning
*Dual axis joystick controllers
*Hydraulic oil cab heater
*Headache ball
*Emergency steer pump
*LMI light bar

**Denotes optional equipment*

28 - 70 ft.
(8.5 - 21.3 m)

10,170 lbs.
(4613 kg)

100%

360°

Pounds

Feet	28	34	40	46	52	58	64	70
10	56,000 (64)	36,000 (69)	36,000 (73)					
12	40,000 (59.5)	36,000 (65.5)	36,000 (70)	35,000 (73)				
15	31,000 (51.5)	31,000 (59.5)	30,950 (65)	30,300 (69)	29,750 (72)	29,150 (74.5)		
20	23,200 (36.5)	23,200 (49)	23,200 (57)	23,200 (62)	23,000 (66)	22,600 (69.5)	22,250 (72)	20,500 (74)
25	17,950 (6)	17,950 (36)	17,950 (47.5)	17,950 (54.5)	17,950 (60)	17,950 (64)	17,950 (67)	17,650 (69.5)
30		15,350 (15.5)	15,350 (36.5)	15,350 (46.5)	15,350 (53)	15,150 (58)	14,950 (62)	14,750 (65)
35			12,850 (20)	12,850 (36.5)	12,850 (45.5)	12,800 (51.5)	12,650 (56.5)	12,500 (60)
40				10,750 (23)	10,750 (36.5)	10,750 (45)	10,750 (50.5)	10,750 (55)
45					9,020 (25)	9,020 (37)	9,020 (44.5)	9,020 (49.5)
50						7,420 (26.5)	7,420 (37)	7,420 (43.5)
55						6,170 (3.5)	6,170 (28)	6,170 (37)
60							5,170 (13)	5,170 (28.5)
65								4,350 (15.5)
Minimum boom angle (deg.) for indicated length (no load)								0
Maximum boom length (ft.) at 0 degree boom angle (no load)								70

NOTE: ( ) Boom angles are in degrees.

A6-829-008639 & -003716H

Boom Angle	28	34	40	46	52	58	64	70
0°	15,286 (25.1)	12,000 (31)	9,230 (37)	7,050 (43)	5,630 (49)	4,440 (55)	3,480 (61)	2,800 (66.6)

NOTE: ( ) Reference radii are in feet.

A6-829-009460

28 - 70 ft.
(8.5 - 21.3 m)

10,170 lbs.
(4613 kg)

50%
13' 5" Spread

360°

Pounds

Feet	28	34	40	46	52	58	64	70
10	49,200 (64)	36,000 (69)	36,000 (73)					
12	40,000 (59.5)	36,000 (65.5)	36,000 (70)	35,000 (73)				
15	31,000 (51.5)	31,000 (59.5)	30,950 (65)	30,300 (69)	29,750 (72)	29,150 (74.5)		
20	23,200 (36.5)	23,200 (49)	23,000 (57)	22,500 (62)	22,000 (66)	21,500 (69.5)	21,050 (72)	20,500 (74)
25	15,200 (6)	15,200 (36)	15,200 (47.5)	15,200 (54.5)	15,200 (60)	15,200 (64)	15,200 (67)	15,150 (69.5)
30		11,150 (15.5)	11,150 (36.5)	11,150 (46.5)	11,150 (53)	11,150 (58)	11,150 (62)	11,150 (65)
35			8,520 (20)	8,520 (36.5)	8,520 (45.5)	8,520 (51.5)	8,520 (56.5)	8,520 (60)
40				6,680 (23)	6,680 (36.5)	6,680 (45)	6,680 (50.5)	6,680 (55)
45					5,320 (25)	5,320 (37)	5,320 (44.5)	5,320 (49.5)
50						4,270 (26.5)	4,270 (37)	4,270 (43.5)
55						3,440 (3.5)	3,440 (28)	3,440 (37)
60							2,770 (13)	2,770 (28.5)
65								2,210 (15.5)
Minimum boom angle (deg.) for indicated length (no load)								0
Maximum boom length (ft.) at 0 degree boom angle (no load)								70

NOTE: ( ) Boom angles are in degrees.

Boom Angle	28	34	40	46	52	58	64	70
0°	15,150 (25.1)	10,500 (31)	7,720 (37)	5,810 (43)	4,460 (49)	3,440 (55)	2,650 (61)	2,050 (66.6)

NOTE: ( ) Reference radii in feet.

A6-829-012237

28 - 70 ft.
(8.5 - 21.3 m)

10,170 lbs.
(4613 kg)

0%
7' 5" Spread

360°

Pounds

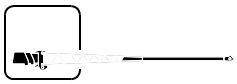
Feet	28	34	40	46	52	58	64	70
10	28,700 (64)	28,700 (69)	28,050 (73)					
12	20,950 (59.5)	20,950 (65.5)	20,950 (70)	20,950 (73)				
15	14,450 (51.5)	14,450 (59.5)	14,450 (65)	14,450 (69)	14,450 (72)	14,450 (74.5)		
20	9,020 (36.5)	9,020 (49)	9,020 (57)	9,020 (62)	9,020 (66)	9,020 (69.5)	9,020 (72)	9,020 (74)
25	6,120 (6)	6,120 (36)	6,120 (47.5)	6,120 (54.5)	6,120 (60)	6,120 (64)	6,120 (67)	6,120 (69.5)
30		4,330 (15.5)	4,330 (36.5)	4,330 (46.5)	4,330 (53)	4,330 (58)	4,330 (62)	4,330 (65)
35			3,110 (20)	3,110 (36.5)	3,110 (45.5)	3,110 (51.5)	3,110 (56.5)	3,110 (60)
40				2,230 (23)	2,230 (36.5)	2,230 (45)	2,230 (50.5)	2,230 (55)
45					1,560 (25)	1,560 (37)	1,560 (44.5)	1,560 (49.5)
50						1,030 (26.5)	1,030 (37)	1,030 (43.5)
Minimum boom angle (deg.) for indicated length (no load)								40.5
Maximum boom length (ft.) at 0 degree boom angle (no load)								52

NOTE: ( ) Boom angles are in degrees.

Boom Angle	28	34	40	46	52
0°	6,090 (25.1)	4,050 (31)	2,720 (37)	1,800 (43)	1,130 (49)

NOTE: ( ) Reference radii in feet.

A6-829-012238

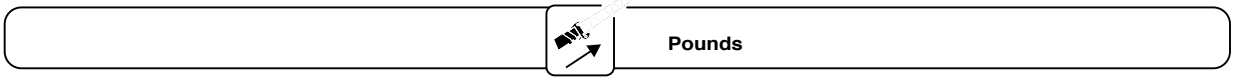


25 - 43 ft.
(7.6 - 13.1 m)

10,170 lbs.
(4613 kg)

100%

360°



	25 ft. LENGTH			34 ft. LENGTH			43 ft. LENGTH		
Feet	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET	0° OFFSET	15° OFFSET	30° OFFSET
25	*12,500 (75)	*7,300 (75)		*7,700 (75)			*4,500 (75)		
30	10,700 (71.5)	7,170 (74)	*5,250 (75)	7,180 (73)	*4,900 (75)		4,430 (74)		
35	9,230 (68)	6,490 (70.5)	5,080 (73)	6,110 (70)	4,790 (73.5)		3,960 (71.5)	*2,800 (75)	
40	8,280 (65)	5,900 (67.5)	4,730 (69.5)	5,370 (67)	4,360 (70.5)	*3,200 (75)	3,610 (68.5)	2,770 (74)	
45	7,340 (61.5)	5,460 (64)	4,440 (66)	4,870 (63.5)	4,020 (67.5)	2,900 (71.5)	3,360 (66)	2,640 (71)	*2,200 (75)
50	6,720 (58)	5,210 (60.5)	4,270 (62.5)	4,500 (60)	3,730 (64.5)	2,590 (68)	3,140 (63.5)	2,520 (68.5)	2,150 (73)
55	6,430 (54)	5,030 (56.5)	4,130 (58.5)	4,070 (56.5)	3,400 (61.5)	2,360 (64.5)	2,920 (60.5)	2,400 (65.5)	2,080 (69.5)
60	5,510 (50)	4,970 (53)	3,980 (54.5)	3,700 (53)	3,100 (58)	2,220 (61)	2,730 (57.5)	2,280 (62.5)	2,020 (66.5)
65	4,630 (46)	4,630 (48.5)	3,900 (50)	3,450 (49.5)	2,830 (54.5)	2,070 (57)	2,560 (54.5)	2,170 (59)	1,950 (63)
70	3,890 (41.5)	3,890 (44)	3,800 (45.5)	3,310 (45.5)	2,610 (50.5)	1,940 (53)	2,360 (51.5)	2,110 (56)	1,880 (59.5)
75	3,270 (36.5)	3,270 (39)	3,270 (40)	3,170 (41)	2,470 (46.5)	1,880 (48.5)	2,210 (48)	2,040 (52.5)	1,810 (56)
80	2,730 (30.5)	2,730 (33)	2,730 (34)	3,080 (36.5)	2,410 (42)	1,830 (44)	2,140 (44.5)	1,980 (49)	1,730 (52)
85	2,270 (23.5)	2,270 (26)		2,740 (31.5)	2,370 (37)	1,790 (38.5)	2,100 (41)	1,940 (45)	1,670 (47.5)
90	1,860 (12.5)			2,320 (25.5)	2,310 (31.5)	1,770 (32)	2,060 (36.5)	1,900 (40.5)	1,620 (43)
95				1,950 (18.5)	1,950 (24)		2,010 (32)	1,850 (35.5)	1,570 (37.5)
100							1,940 (26.5)	1,780 (30)	1,500 (30.5)
105							1,690 (19)	1,690 (22)	

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

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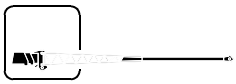
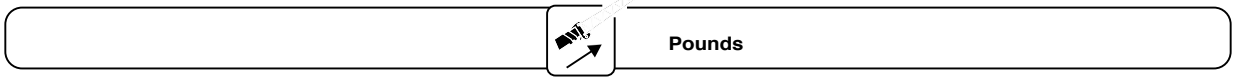


25 - 43 ft.
(7.6 - 13.1 m)

10,170 lbs.
(4613 kg)

50%
13' 5" Spread

360°



Feet	25 ft. LENGTH 0° OFFSET	25 ft. LENGTH 15° OFFSET	25 ft. LENGTH 30° OFFSET	34 ft. LENGTH 0° OFFSET	34 ft. LENGTH 15° OFFSET	34 ft. LENGTH 30° OFFSET	43 ft. LENGTH 0° OFFSET	43 ft. LENGTH 15° OFFSET	43 ft. LENGTH 30° OFFSET
25	*12,500 (75)	*7,300 (75)		*7,700 (75)			*4,500 (75)		
30	10,700 (71.5)	7,170 (74)	*5,250 (75)	7,180 (73)	*4,900 (75)		4,430 (74)		
35	9,230 (68)	6,490 (70.5)	5,080 (73)	6,110 (70)	4,790 (73.5)		3,960 (71.5)	*2,800 (75)	
40	7,370 (65)	5,900 (67.5)	4,730 (69.5)	5,370 (67)	4,360 (70.5)	*3,200 (75)	3,610 (68.5)	2,770 (74)	
45	5,850 (61.5)	5,460 (64)	4,440 (66)	4,870 (63.5)	4,020 (67.5)	2,900 (71.5)	3,360 (66)	2,640 (71)	*2,200 (75)
50	4,670 (58)	4,670 (60.5)	4,270 (62.5)	4,500 (60)	3,730 (64.5)	2,590 (68)	3,140 (63.5)	2,520 (68.5)	2,150 (73)
55	3,740 (54)	3,740 (56.5)	3,740 (58.5)	4,070 (56.5)	3,400 (61.5)	2,360 (64.5)	2,920 (60.5)	2,400 (65.5)	2,080 (69.5)
60	2,990 (50)	2,990 (53)	2,990 (54.5)	3,510 (53)	3,100 (58)	2,220 (61)	2,730 (57.5)	2,280 (62.5)	2,020 (66.5)
65	2,360 (46)	2,360 (48.5)	2,360 (50)	2,870 (49.5)	2,830 (54.5)	2,070 (57)	2,560 (54.5)	2,170 (59)	1,950 (63)
70	1,840 (41.5)	1,840 (44)	1,840 (45.5)	2,330 (45.5)	2,330 (50.5)	1,940 (53)	2,360 (51.5)	2,110 (56)	1,880 (59.5)
75	1,390 (36.5)	1,390 (39)	1,390 (40)	1,860 (41)	1,860 (46.5)	1,860 (48.5)	2,050 (48)	2,040 (52.5)	1,810 (56)
80	1,000 (30.5)	1,000 (33)	1,000 (34)	1,460 (36.5)	1,460 (42)	1,460 (44)	1,690 (44.5)	1,690 (49)	1,690 (52)
85				1,120 (31.5)	1,120 (37)	1,120 (38.5)	1,370 (41)	1,370 (45)	1,370 (47.5)
90							1,090 (36.5)	1,090 (40.5)	1,090 (43)

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

A6-829-012453

25 ft.
(7.6 m)

10,170 lbs.
(4613 kg)

100%

360°

Pounds

Feet	BOOM ANGLE (Ref.)	CAPACITY (lbs.)
25	75.0	*12,500
30	71.5	10,700
35	68.0	9,230
40	65.0	8,280
45	61.5	7,340
50	58.0	6,720
55	54.0	6,430
60	50.0	6,070
65	46.0	5,180
70	41.5	4,440
75	36.5	3,820
80	30.5	3,280
85	23.5	2,810
90	12.5	2,400

*This capacity is based upon maximum boom angle.

A6-829-008673

25 ft.
(7.6 m)

10,170 lbs.
(4613 kg)

50%
13' 5" Spread

360°

Pounds

Feet	BOOM ANGLE (Ref.)	CAPACITY (lbs.)
25	75.0	*12,500
30	71.5	10,700
35	68.0	9,230
40	65.0	7,760
45	61.5	6,380
50	58.0	5,200
55	54.0	4,270
60	50.0	3,520
65	46.0	2,890
70	41.5	2,360
75	36.5	1,910
80	30.5	1,530
85	23.5	1,190

*This capacity is based upon maximum boom angle.

A6-829-012329

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.

28 -70 ft.
(8.5 - 21.3 m)

10,170 lbs.
(4613 kg)

20.5 x 25
24 Ply
Stationary

360°

Pounds

Feet	28	34	40	46	52	58	64	70
10	26,200 (64)	26,200 (69)						
12	19,350 (59.5)	19,350 (65.5)	16,000 (70)					
15	13,200 (51.5)	13,200 (59.5)	13,200 (65)	13,200 (69)				
20	7,910 (36.5)	7,910 (49)	7,910 (57)	7,910 (62)	7,910 (66)	7,400 (69.5)		
25	5,060 (6)	5,060 (36)	5,060 (47.5)	5,060 (54.5)	5,060 (60)	5,060 (64)	5,060 (67)	5,060 (69.5)
30		3,600 (15.5)	3,600 (36.5)	3,600 (46.5)	3,600 (53)	3,600 (58)	3,600 (62)	3,600 (65)
35			2,610 (20)	2,610 (36.5)	2,610 (45.5)	2,610 (51.5)	2,610 (56.5)	2,610 (60)
40				1,890 (23)	1,890 (36.5)	1,890 (45)	1,890 (50.5)	1,890 (55)
45					1,340 (25)	1,340 (37)	1,340 (44.5)	1,340 (49.5)
50						910 (26.5)	910 (37)	910 (43.5)

NOTE: ( ) Boom angles are in degrees.

A6-829-009074

Boom Angle	28	34	40	46
0°	5,030 (25.1)	3,360 (31)	2,300 (37)	1,540 (43)

NOTE: ( ) Reference radii are in feet.

A6-829-009460

28 -70 ft.
(8.5 - 21.3 m)

10,170 lbs.
(4613 kg)

20.5 x 25
24 Ply
Stationary

Defined Arc
Over Front
±6°

Pounds

Feet	28	34	40	46	52	58	64	70
10	28,650 (64)	26,200 (69)						
12	24,950 (59.5)	24,950 (65.5)	21,000 (70)					
15	20,900 (51.5)	20,900 (59.5)	20,900 (65)	16,500 (69)				
20	14,900 (36.5)	14,900 (49)	14,900 (57)	12,200 (62)	12,200 (66)	12,200 (69.5)		
25	9,900 (6)	9,900 (36)	9,900 (47.5)	9,900 (54.5)	9,400 (60)	9,400 (64)	9,400 (67)	9,400 (69.5)
30		7,350 (15.5)	7,350 (36.5)	7,350 (46.5)	7,000 (53)	7,000 (58)	7,000 (62)	7,000 (65)
35			5,660 (20)	5,660 (36.5)	5,660 (45.5)	5,600 (51.5)	5,600 (56.5)	5,600 (60)
40				4,450 (23)	4,450 (36.5)	4,450 (45)	4,450 (50.5)	4,450 (55)
45					3,550 (25)	3,550 (37)	3,550 (44.5)	3,550 (49.5)
50						2,850 (26.5)	2,850 (37)	2,850 (43.5)
55						2,290 (3.5)	2,290 (28)	2,290 (37)
60							1,840 (13)	1,840 (28.5)
65								1,460 (15.5)

NOTE: ( ) Boom angles are in degrees.

A6-829-009073A

Boom Angle	28	34	40	46	52	58	64	70
0°	9,860 (25.1)	6,940 (31)	5,130 (37)	3,880 (43)	2,980 (49)	2,290 (55)	1,760 (61)	1,350 (66.6)

NOTE: ( ) Reference radii are in feet.

A6-829-009460

28 -70 ft.
(8.5 - 21.3 m)

10,170 lbs.
(4613 kg)

20.5 x 25 - 24 Ply
Pick & Carry
(Up to 2.5 MPH)

Boom Centered
Over Front

Pounds

Feet	28	34	40	46	52	58	64	70
10	33,800 (64)							
12	29,000 (59.5)							
15	23,600 (51.5)	23,600 (59.5)	23,600 (65)	23,600 (69)				
20	14,900 (36.5)	14,900 (49)	14,900 (57)	14,900 (62)	12,200 (66)	12,200 (69.5)		
25	9,900 (6)	9,900 (36)	9,900 (47.5)	9,900 (54.5)	9,900 (60)	9,400 (64)	9,400 (67)	
30		7,180 (15.5)	7,180 (36.5)	7,180 (46.5)	7,180 (53)	7,180 (58)	7,000 (62)	7,000 (65)
35			5,660 (20)	5,660 (36.5)	5,660 (45.5)	5,660 (51.5)	5,660 (56.5)	5,600 (60)
40				4,450 (23)	4,450 (36.5)	4,450 (45)	4,450 (50.5)	4,450 (55)
45					3,550 (25)	3,550 (37)	3,550 (44.5)	3,550 (49.5)
50						2,850 (26.5)	2,850 (37)	2,850 (43.5)
55						2,290 (3.5)	2,290 (28)	2,290 (37)
60							1,840 (13)	1,840 (28.5)
65								1,460 (15.5)

NOTE: ( ) Boom angles are in degrees.

A6-829-009075

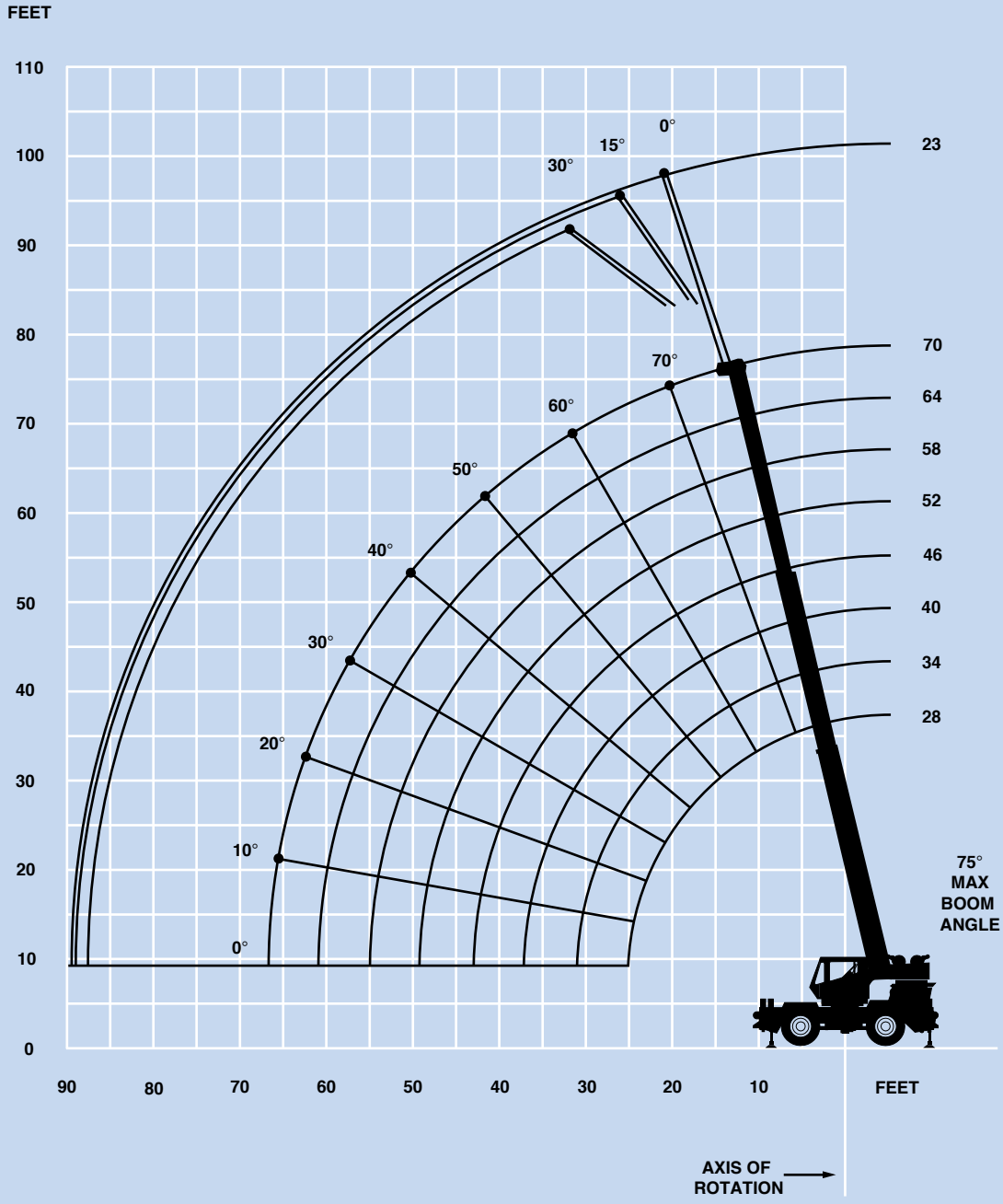
Boom Angle	28	34	40	46	52	58	64	70
0°	8,970 (25.1)	6,870 (31)	5,130 (37)	3,880 (43)	2,980 (49)	2,290 (55)	1,760 (61)	1,350 (66.6)

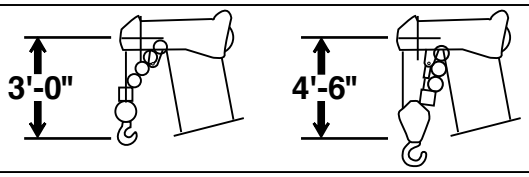
NOTE: ( ) Reference radii are in feet.

A6-829-009460

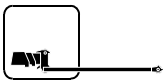
Working range

28 - 70 ft. (8.5 - 21.3 m) | 23 ft. (7.1 m) | 360°





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

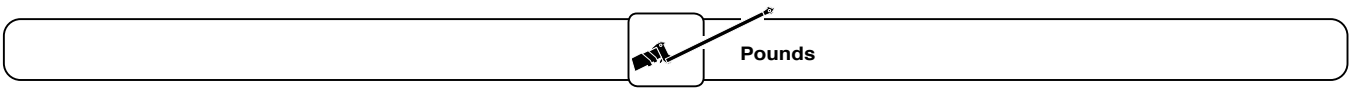


23 ft.
(7.1 m)

10,170 lbs.
(4613 kg)

100%

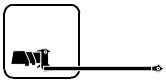
360°



Main Boom Angle	0° OFFSET Cap. in lbs. (Rad. Ref)	15° OFFSET Cap. in lbs. (Rad. Ref)	30° OFFSET Cap. in lbs. (Rad. Ref)
75	12,000 (27)	7,700 (32.5)	5,070 (35.7)
70	10,400 (33.3)	7,000 (38.1)	4,800 (41.2)
65	8,500 (40.2)	6,300 (44.9)	4,500 (47.8)
60	7,400 (47)	5,450 (51.3)	4,300 (54)
55	6,600 (53.2)	5,000 (57.3)	4,100 (59.8)
50	6,100 (59.2)	4,700 (62.9)	3,900 (65.1)
45	5,160 (64.7)	4,500 (68)	3,800 (69.9)
40	4,410 (69.6)	4,010 (72.6)	3,700 (74.2)
35	3,840 (74)	3,530 (76.6)	3,390 (77.9)
30	3,400 (77.8)	3,160 (80.1)	

NOTE: ( ) Reference radii are in feet.

A6-829-008660

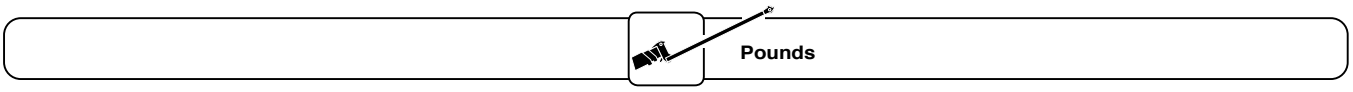


23 ft.
(7.1 m)

10,170 lbs.
(4613 kg)

50%
13' 5" Spread

360°



Main Boom Angle	0° OFFSET Cap. in lbs. (Rad. Ref)	15° OFFSET Cap. in lbs. (Rad. Ref)	30° OFFSET Cap. in lbs. (Rad. Ref)
75	12,000 (27)	7,700 (32.5)	5,070 (35.7)
70	10,050 (33.3)	7,000 (38.1)	4,800 (41.2)
65	7,580 (40.2)	6,300 (44.9)	4,500 (47.8)
60	5,850 (47)	4,950 (51.3)	4,300 (54)
55	4,610 (53.2)	3,950 (57.3)	3,600 (59.8)
50	3,680 (59.2)	3,210 (62.9)	2,950 (65.1)
45	3,000 (64.7)	2,650 (68)	2,460 (69.9)
40	2,490 (69.6)	2,220 (72.6)	2,090 (74.2)
35	2,100 (74)	1,890 (76.6)	1,790 (77.9)
30	1,800 (77.8)	1,640 (80.1)	

NOTE: ( ) Reference radii are in feet.

A6-829-013238

Rated lifting capacities

NOTES FOR LIFTING CAPACITIES

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 meet ANSI/ASME B30.5 Mobile and Locomotive Cranes. Testing and development were performed to SAEJ1063, Cantilevered Boom Crane Structures, Method of Test and SAEJ765 Crane Stability Test Code.

2. Rated loads include the weight of hookblock, slings and auxiliary lifting devices and their weights shall be subtracted from the listed rating to obtain the net load to be lifted. When more than the minimum required hoist reeving is used, the additional rope weight shall be considered part of the load to be handled.

3. Capacities appearing above the bold line are based on structural strength. Tipping should never be relied upon as a capacity indication.

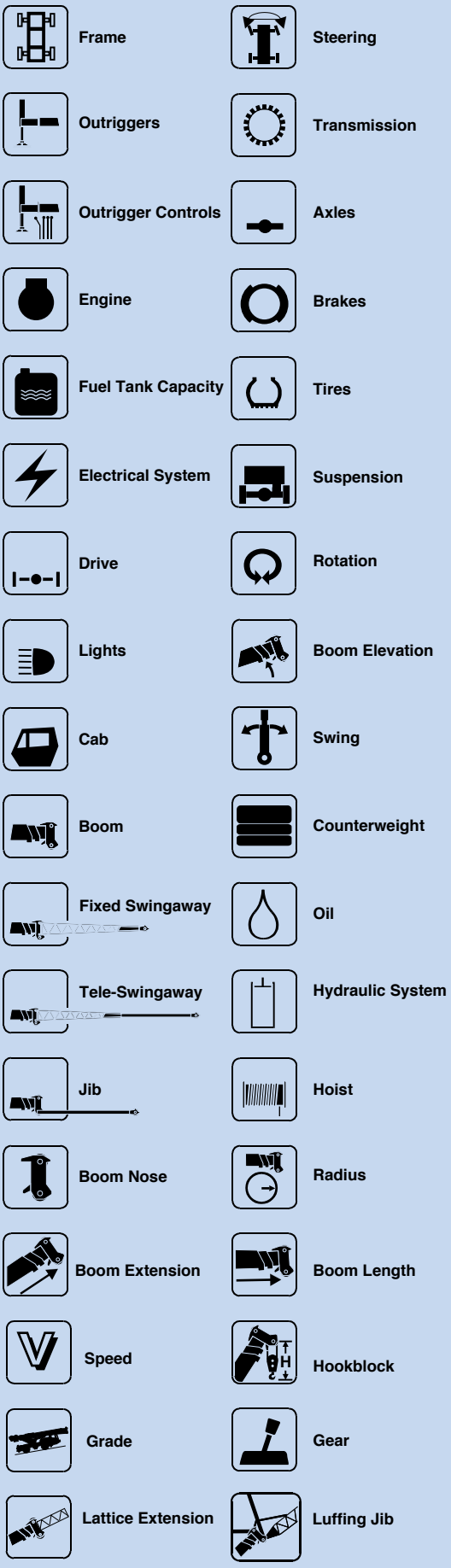
4. The machine shall be leveled on a firm supporting surface. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.

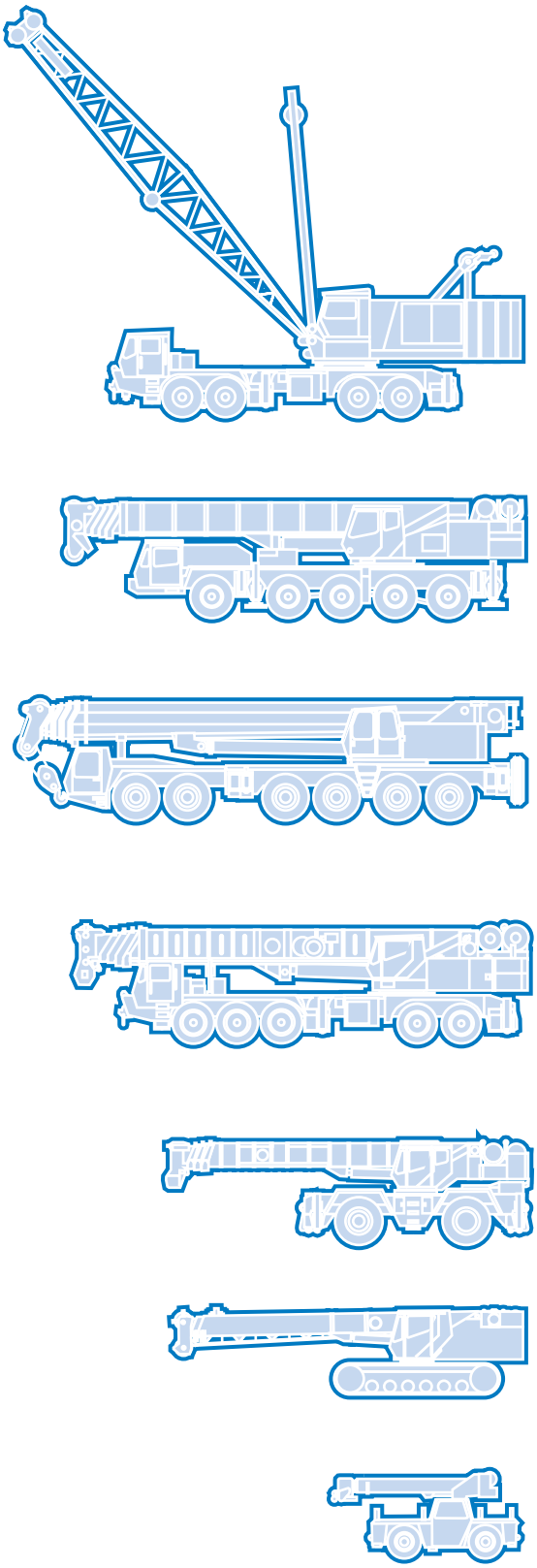
5. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or next longer or shorter boom length shall be used.

6. Tires shall be inflated to the recommended pressure before lifting on rubber.

7. For outrigger operation, outriggers shall be properly extended with tires raised free of crane weight before operating the boom or lifting loads.

Symbols Glossary





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