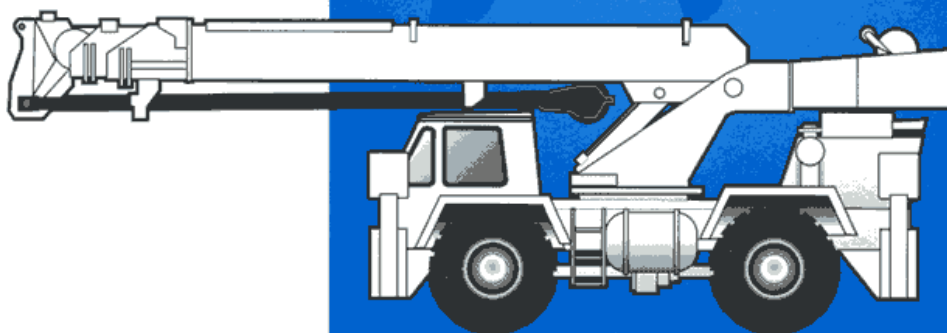




RT58E



Rough Terrain Hydraulic Crane

Working Range



25 - 60 ft.
(7.6 - 18.3 m)



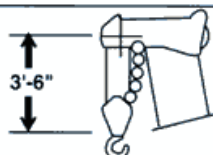
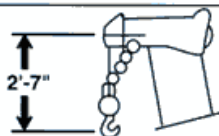
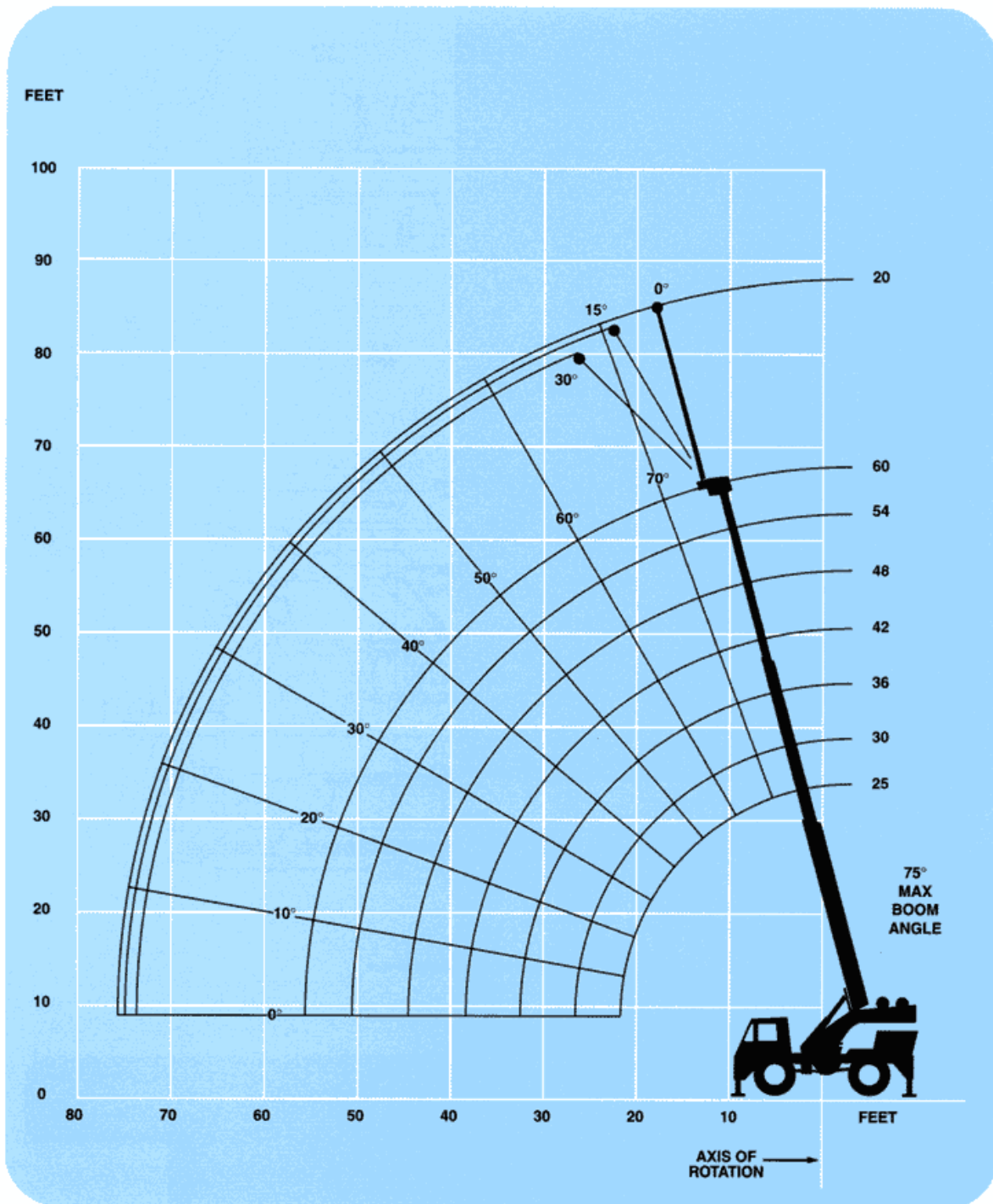
20 ft.
(6.1 m)



100%



360°



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

Superstructure specifications

Boom

25 ft. - 60 ft. (7.6 m - 18.3 m) three-section full power boom. Maximum Tip Height: 66 ft. (20.1 m).

*Optional Jib (60 ft. Boom)

20 ft. (6.1 m) "A frame" jib offsettable at 0°, 15° or 30°. Stows beneath base boom section. Maximum Tip Height: 85 ft. (25.9 m).

*Optional Boom

28 ft.- 70 ft. (8.6 m - 21.3 m) three-section full power boom. Maximum Tip Height: 76 ft. (23.2 m).

*Optional Jib (70 ft. Boom)

23 ft. (7.0 m) "A frame" jib offsettable at 0°, 15° or 30°. Stows beneath base boom section. Maximum Tip Height: 98 ft. (29.9 m).

Boom Nose

Three 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 valve provides 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.

Swing

Ball bearing swing circle with 360° continuous rotation. Grove planetary drive with automatic multi-disc swing brake and plunger type mechanical house lock. Maximum speed: 2.9 RPM.

Counterweight

Bolted to turntable mast.

60 ft. (18.3 m) Boom:

With main only: 9,820 lbs. (4454 kg)

With main & aux.: 9,420 lbs (4273 kg)

70 ft. (21.2 m) Boom:

With main only: 11,220 lbs. (5089 kg)

With main & aux.: 10,720 lbs (4862 kg)

Hydraulic System

Three main pumps with a combined capacity 112.5 GPM (426 LPM). Driven by carrier engine through P.T.O. Maximum operating pressure: 2500 PSI (172 BAR). *Optional pump disconnect with engine jogging switch.

Hoist Specifications

Main and *Auxiliary Hoist

Power up and down equal speed, grooved drum, planetary reduction with automatic brake and hoist cable followers. Electronic hoist drum rotation indicators and wire rope.

Maximum Single Line Pull: 9,640 lbs.
(4372 kg)

Maximum Single Line Speed: 429 FPM
(131 m/min)

Maximum Permissible Line Pull: 8,496 lbs.
(3853 kg)

Rope Diameter: 5/8 in.
(16 mm)

Rope Length: 350 ft.
(106 m)

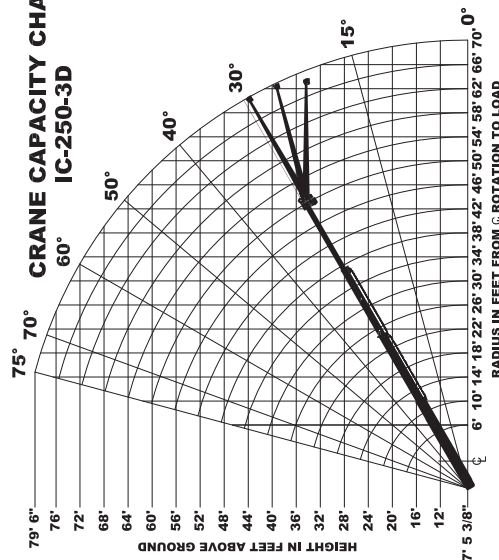
Maximum Rope Stowage: 486 ft.
(148 m)

IC-250-3D

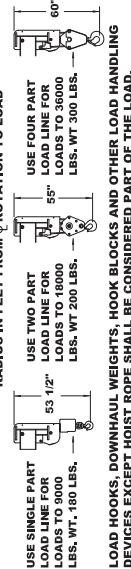
Industrial Crane

bmc
Load Chart

CRANE CAPACITY CHART IC-250-3D



RADIUS IN FEET FROM C ROTATION TO LOAD



LOAD HOOKS, DOWNHAUL WEIGHTS, HOOK BLOCKS AND OTHER LOAD HANDLING DEVICES EXCEPT HOIST ROPE SHALL BE CONSIDERED PART OF THE LOAD.

LOAD RADIUS FEET	CAPACITIES ARE IN POUNDS AND APPLY TO OPERATION ON FIRM LEVEL SURFACE									
	MAIN BOOM		MAIN BOOM OR BOOM EXTENSION		MAIN BOOM OR BOOM EXTENSION		MAIN BOOM OR BOOM EXTENSION		MAIN BOOM OR BOOM EXTENSION	
	ON RUBBER	OVER FRONT	ON RUBBER	OVER FRONT	ON RUBBER	OVER FRONT	ON RUBBER	OVER FRONT	ON RUBBER	OVER FRONT
6	16400	19500	30000	36000	36000	36000	36000	36000	36000	36000
8	13000	15000	25000	30400	30400	30400	30400	30400	30400	30400
10	10800	12350	20300	25000	25000	25000	25000	25000	25000	25000
12	9000	10450	17500	21500	21500	21500	21500	21500	21500	21500
14	7800	9100	15500	19000	19000	19000	19000	19000	19000	19000
16	6450	7800	13000	16000	16000	16000	16000	16000	16000	16000
18	5600	6850	11500	14500	14500	14500	14500	14500	14500	14500
20	4800	6100	10000	13000	13000	13000	13000	13000	13000	13000
22	4150	5400	8800	11500	11500	11500	11500	11500	11500	11500
24	3600	4850	7800	10500	10500	10500	10500	10500	10500	10500
26	3100	4300	6900	9500	9500	9500	9500	9500	9500	9500
28	2700	3850	6100	8500	8500	8500	8500	8500	8500	8500
30	2350	3500	5400	7700	7700	7700	7700	7700	7700	7700
32	2050	3150	4800	7000	7000	7000	7000	7000	7000	7000
34	1750	2800	4200	6400	6400	6400	6400	6400	6400	6400
36	1500	2450	3700	5800	5800	5800	5800	5800	5800	5800
38	1300	2150	3300	5200	5200	5200	5200	5200	5200	5200
40	1100	1900	2900	4700	4700	4700	4700	4700	4700	4700
42	900	1650	2500	4200	4200	4200	4200	4200	4200	4200
44	800	1450	2200	3800	3800	3800	3800	3800	3800	3800
46	700	1250	1900	3400	3400	3400	3400	3400	3400	3400
48	600	1100	1700	3000	3000	3000	3000	3000	3000	3000
50	500	950	1500	2700	2700	2700	2700	2700	2700	2700
52	450	850	1350	2400	2400	2400	2400	2400	2400	2400
54	400	750	1200	2100	2100	2100	2100	2100	2100	2100
56	350	650	1050	1800	1800	1800	1800	1800	1800	1800
58	300	550	900	1600	1600	1600	1600	1600	1600	1600
60	250	450	750	1400	1400	1400	1400	1400	1400	1400
62	200	350	600	1200	1200	1200	1200	1200	1200	1200
64	180	300	500	1000	1000	1000	1000	1000	1000	1000
66	160	250	400	850	850	850	850	850	850	850
68	140	200	350	750	750	750	750	750	750	750
70	120	180	300	650	650	650	650	650	650	650

LOAD RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION OF THE UNLOADED CRANE TO THE VERTICAL LOAD LINE WITH THE LOAD APPLIED.

CAUTION: APPLYING SIDE LOADS TO THE BOOM OR BOOM EXTENSION IS MISUSE IS HAZARDOUS, AND VOIDS WARRANTY.

CAUTION: BOOM EXTENSION LOADS MUST NOT EXCEED MAIN BOOM CAPACITY. BOOM EXTENSION MAY ONLY CARRY LOADS WITH OUTRIGGERS DOWN.

CAPACITIES ON OUTRIGGERS OUT & DOWN ARE 85% OF TIPPING LOADS. CAPACITIES ON RUBBER ARE 75% OF TIPPING LOADS. CAPACITIES ON IN & DOWN OUTRIGGERS ARE LESS THAN 85% OF TIPPING LOADS. CAPACITIES BELOW BOLD LINE ARE LIMITED BY TIPPING. OTHER CAPACITIES ARE LIMITED BY STRUCTURAL OR HYDRAULIC CAPABILITY.

DECK CAPACITY 17000 LBS. WITH EMPTY BOOM RETRACTED OVER FRONT. DECK LOAD MUST BE CENTERED BEHIND FRONT AXLE. SPEED MUST BE LESS THAN 2 MPH. MAXIMUM TRAVEL 200 FT. IN 30 MINUTES ON SMOOTH PAVEMENT.

PICK AND CARRY WITH THE SHORTEST PRACTICAL BOOM, CENTERED OVER THE FRONT. OPERATE WITH BOOM AS LOW AS POSSIBLE WITH THE LOAD CLOSE TO THE GROUND. PICK AND CARRY CAPACITIES ARE FOR SMOOTH, LEVEL PAVED SURFACE.

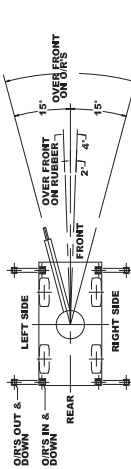
THE BOOMS ON THIS UNIT ARE ALL STEEL AND HAVE NO LINE VOLTAGE RATING - NO ELECTRICAL INSULATION VALUE.

MAXIMUM HYDRAULIC PRESSURE 3000 PSI.

BOOM EXTENSION DEDUCTS 500 LBS. WHEN STOWED ON BASE BOOM.

ENSURE ANTI-TWO-BLOCK SWITCH IS FUNCTIONAL AFTER DEPLOYING OR STOWING BOOM EXTENSION.

- OPERATION
- UNDERSTAND OPERATION MANUAL BEFORE OPERATING CRANE.
- CHECK LEVEL OF HYDRAULIC OIL AND ENGINE OIL DAILY.
- CHECK UNIT FOR VISIBLE DEFECTS AND LOOSE PARTS.
- SET VEHICLE PARK BRAKE SECURELY.
- SET VEHICLE PARK BRAKE SECURELY.
- OPERATE ALL HYDRAULIC CONTROLS SLOWLY AND SMOOTHLY. AVOID SUDDEN STOPS AND STARTS.



THE LOAD HOIST LINE ON THIS UNIT MUST BE 9/16" DIA. 6 X 36-EP-RRH-WRC WIRE ROPE (OR EQUIVALENT) WITH A MINIMUM BREAKING STRENGTH OF 31,500 LBS.

APPROVED TIRES OTR 385/65D22.5, 16 PLY - 120 PSI

TORQUE WHEEL NUTS TO 500 FT. LBS. (THESE CONDITIONS MUST BE MAINTAINED TO HANDLE RATED LOADS ON THIS CRANE.)

MODEL NO.	SERIAL NO.	DATE OF MFR.
IC-250-3D		

BRODERSON MANUFACTURING CORP.
LENEXA, KANSAS
65400924



25 - 60 ft.
(7.6 - 18.3 m)



100%



360°



Pounds

(Feet)	25	30	36	42	48	54	60
10	44,000 (60)	36,000 (66)	36,000 (70.5)	36,000 (74)			
12	34,500 (54.5)	34,500 (62)	34,500 (67.5)	34,500 (71)	34,500 (74)		
15	28,000 (45)	28,000 (55)	28,000 (62)	28,000 (66.5)	28,000 (70)	28,000 (73)	25,000 (75.5)
20	20,800 (23.5)	20,800 (41.5)	20,800 (52)	20,800 (59)	20,800 (63.5)	20,800 (67.5)	20,800 (70.5)
25		16,150 (23)	16,150 (41)	16,150 (50.5)	16,150 (56.5)	16,150 (61.5)	16,150 (65)
30			12,050 (25.5)	12,050 (40.5)	12,050 (49)	12,050 (55)	12,050 (59.5)
35				9,380 (27.5)	9,380 (40)	9,380 (48)	9,380 (53.5)
40					7,510 (28.5)	7,510 (40)	7,510 (47)
45						6,130 (30)	6,130 (39.5)
50						5,060 (13.5)	5,060 (30)
55							4,220 (16.5)

Minimum boom angle (degrees) for indicated length (no load)

0

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

60

Note: () Boom angles are in degrees.

A6-829-007426 & -003404E

Boom Angle	25	30	36	42	48	54	60
0°	15,150 (21.8)	12,000 (27)	9,530 (33)	7,770 (39)	6,131 (45)	4,887 (51)	3,990 (56.6)

A6-829-010152



25 - 60 ft.
(7.6 - 18.3 m)



100%



Over Front



Pounds

(Feet)	25	30	36	42	48	54	60
10	44,000 (60)	36,000 (66)	36,000 (70.5)	36,000 (74)			
12	34,500 (54.5)	34,500 (62)	34,500 (67.5)	34,500 (71)	34,500 (74)		
15	28,000 (45)	28,000 (55)	28,000 (62)	28,000 (66.5)	28,000 (70)	28,000 (73)	25,000 (75.5)
20	22,200 (23.5)	22,200 (41.5)	22,200 (52)	22,200 (59)	22,200 (63.5)	22,200 (67.5)	21,500 (70.5)
25		17,400 (23)	17,400 (41)	17,400 (50.5)	17,400 (56.5)	17,400 (61.5)	17,400 (65)
30			14,100 (25.5)	14,100 (40.5)	14,100 (49)	14,100 (55)	14,100 (59.5)
35				11,700 (27.5)	11,700 (40)	11,700 (48)	11,700 (53.5)
40					9,900 (28.5)	9,900 (40)	9,900 (47)
45						8,310 (30)	8,310 (39.5)
50						7,240 (13.5)	7,240 (30)
55							6,220 (16.5)

Minimum boom angle (degrees) for indicated length (no load)

0

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

60

Note: () Boom angles are in degrees.

A6-829-007419 & -003404E


25 - 60 ft.
(7.6 - 18.3 m)


20 ft.
(6.1 m)


100%


360°

 Pounds

Boom Angle	0° OFFSET	15° OFFSET	30° OFFSET
75	9,500 (21.5)	6,100 (25.8)	4,200 (28.9)
70	8,400 (27.8)	5,450 (31.9)	3,870 (34.8)
65	7,140 (33.9)	4,850 (37.8)	3,660 (40.5)
60	6,230 (39.7)	4,400 (43.4)	3,500 (45.9)
55	5,320 (45.3)	4,150 (48.6)	3,330 (50.8)
50	4,380 (50.5)	3,900 (53.6)	3,200 (55.4)
45	3,680 (55.2)	3,560 (58.1)	3,080 (59.6)
40	3,250 (59.6)	3,130 (62.1)	2,980 (63.2)
35	2,900 (63.5)	2,760 (65.6)	2,760 (66.4)
30	2,600 (66.9)	2,500 (68.6)	2,500 (69.1)

NOTE: () Reference radii in feet.

A6-829-007454



25 - 60 ft.
(7.6 m - 18.3 m)



Stationary
20.5 X 25 - 24PR Tires



360°



Pounds

(Feet)	25	30	36	42	48	54	60
10	25,850 (60)						
12	19,150 (54.5)	13,300 (62)	13,300 (67.5)	13,300 (71)	13,300 (74)		
15	13,100 (45)	10,500 (55)	10,500 (62)	10,500 (66.5)	10,500 (70)	10,500 (73)	10,500 (75.5)
20	7,910 (23.5)	7,410 (41.5)	7,410 (52)	7,410 (59)	7,410 (63.5)	7,410 (67.5)	7,410 (70.5)
25		5,390 (23)	5,390 (41)	5,390 (50.5)	5,390 (56.5)	5,390 (61.5)	5,390 (65)
30			3,950 (25.5)	3,950 (40.5)	3,950 (49)	3,950 (55)	3,950 (59.5)
35				2,960 (27.5)	2,960 (40)	2,960 (48)	2,960 (53.5)
40					2,240 (28.5)	2,240 (40)	2,240 (47)
45						1,700 (30)	1,700 (39.5)
50						1,270 (13.5)	1,270 (30)
55							920 (16.5)

NOTE: () Boom angles are in degrees.

A6-829-010155

Boom Angle	25	30	36	42	48	54
0°	6,800 (21.8)	4,740 (27)	3,310 (33)	2,370 (39)	1,690 (45)	1,190 (51)

A6-829-010152



25 - 60 ft.
(7.6 - 18.3 m)



Stationary
20.5 X 25 - 24PR Tires



Defined Arc
Over Front
±6°



(Feet)



Pounds

	25	30	36	42	48	54	60
10	40,650 (60)						
12	33,200 (54.5)	18,600 (62)	18,600 (67.5)	18,600 (71)	18,600 (74)		
15	22,650 (45)	15,150 (55)	15,150 (62)	15,150 (66.5)	15,150 (70)	15,150 (73)	15,150 (75.5)
20	13,800 (23.5)	11,200 (41.5)	11,200 (52)	11,200 (59)	11,200 (63.5)	11,200 (67.5)	11,200 (70.5)
25		9,670 (23)	9,670 (41)	8,900 (50.5)	8,900 (56.5)	8,900 (61.5)	8,900 (65)
30			7,260 (25.5)	7,080 (40.5)	7,080 (49)	7,080 (55)	7,080 (59.5)
35				5,650 (27.5)	5,650 (40)	5,650 (48)	5,650 (53.5)
40					4,510 (28.5)	4,510 (40)	4,510 (47)
45						3,660 (30)	3,660 (39.5)
50						3,000 (13.5)	3,000 (30)
55							2,470 (16.5)

NOTE: () Boom angles are in degrees.

A6-829-010154

Boom Angle	25	30	36	42	48	54	60
0°	12,050 (21.8)	8,570 (27)	6,220 (33)	4,710 (39)	3,660 (45)	2,880 (51)	2,320 (56.6)

A6-829-010152

 25 - 60 ft. (7.6 m - 18.3 m)  Pick & carry Up to 2.5 MPH 20.5 X 25 - 24PR Tires  Boom Centered Over Front							
	 Pounds						
(Feet)	25	30	36	42	48	54	60
10	33,200 (60)						
12	28,700 (54.5)	18,050 (62)	18,050 (67.5)	18,050 (71)	18,050 (74)		
15	22,650 (45)	14,750 (55)	14,750 (62)	14,750 (66.5)	14,750 (70)	14,750 (73)	14,750 (75.5)
20	13,800 (23.5)	11,000 (41.5)	11,000 (52)	11,000 (59)	11,000 (63.5)	11,000 (67.5)	11,000 (70.5)
25		9,670 (23)	9,670 (41)	8,780 (50.5)	8,780 (56.5)	8,780 (61.5)	8,780 (65)
30			7,260 (25.5)	7,010 (40.5)	7,010 (49)	7,010 (55)	7,010 (59.5)
35				5,650 (27.5)	5,650 (40)	5,650 (48)	5,650 (53.5)
40					4,510 (28.5)	4,510 (40)	4,510 (47)
45						3,660 (30)	3,660 (39.5)
50						3,000 (13.5)	3,000 (30)
55							2,470 (16.5)

NOTE: () Boom angles are in degrees.

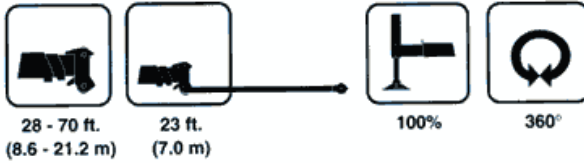
A6-829-010156

Boom Angle	25	30	36	42	48	54	60
0°	11,500 (21.8)	8,570 (27)	6,220 (33)	4,710 (39)	3,660 (45)	2,880 (51)	2,320 (56.6)

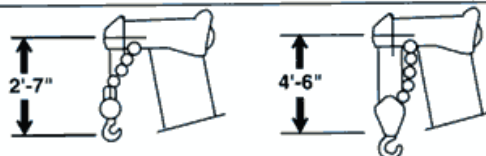
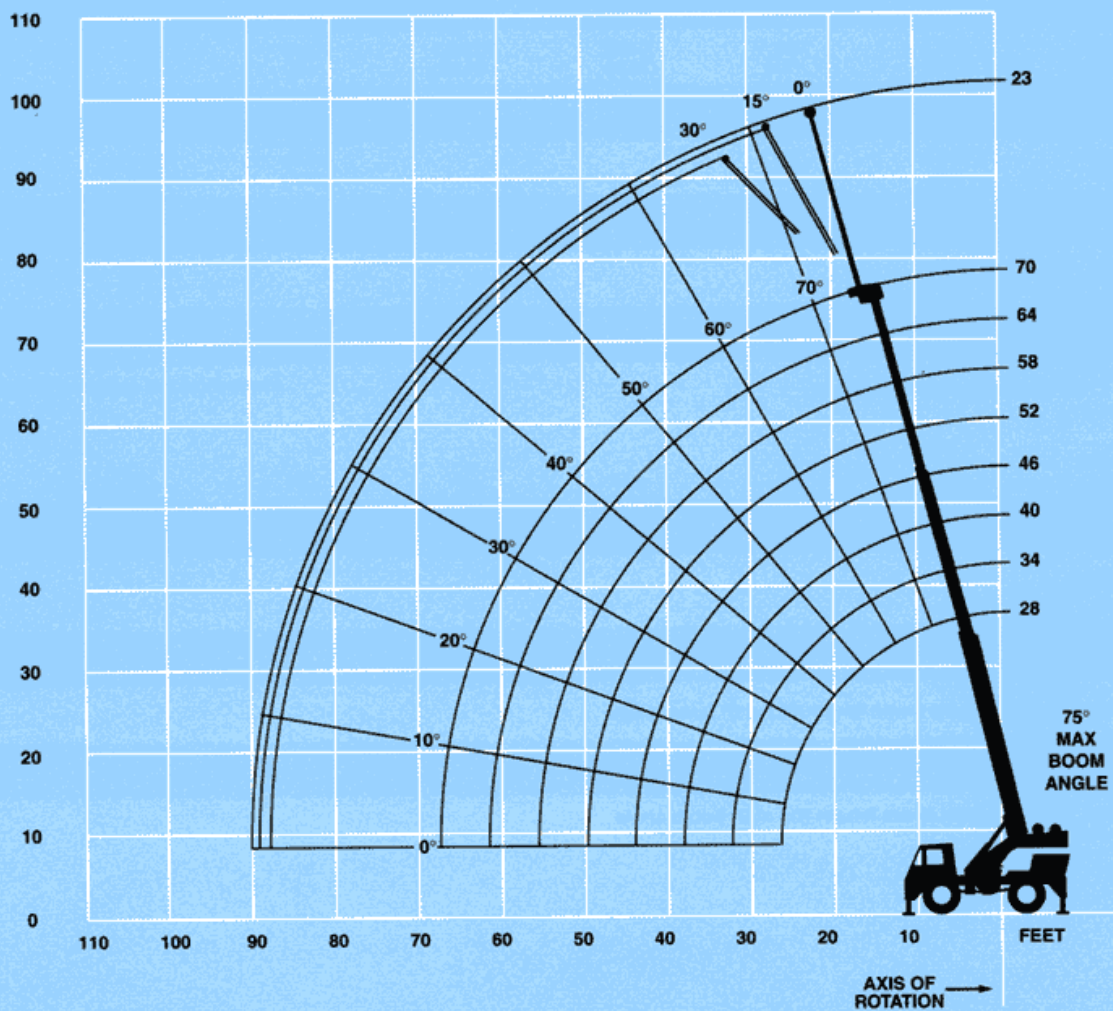
A6-829-010152

Front (No Load) Minimum boom angle (deg.) for indicated length	0
Front (No Load) Maximum boom length (ft.) at 0° boom angle	60
360° (No Load) Minimum boom angle (deg.) for indicated length	10
360° (No Load) Maximum boom length (ft.) at 0° boom angle	58

Working Range



FEET



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



28 - 70 ft.
(8.6 - 12.3 m)



100%



360°



Pounds

(Feet)	28	34	40	46	52	58	64	70
10	44,000 (64)	36,000 (69)	36,000 (73)					
12	35,000 (59.5)	35,000 (65.5)	35,000 (70)	35,000 (73)				
15	28,400 (51.5)	28,400 (59.5)	28,400 (65)	28,400 (69)	28,400 (72)	28,400 (74.5)		
20	21,100 (36.5)	21,100 (49)	21,100 (57)	21,100 (62)	21,100 (66)	21,100 (69.5)	21,100 (72)	20,500 (74)
25		16,800 (36)	16,800 (47.5)	16,800 (54.5)	16,800 (60)	16,800 (64)	16,800 (67)	16,800 (69.5)
30		12,300 (15.5)	12,300 (36.5)	12,300 (46.5)	12,300 (53)	12,300 (58)	12,300 (62)	12,300 (65)
35			9,460 (20)	9,460 (36.5)	9,460 (45.5)	9,460 (51.5)	9,460 (56.5)	9,460 (60)
40				7,460 (23)	7,460 (36.5)	7,460 (45)	7,460 (50.5)	7,460 (55)
45					5,990 (25)	5,990 (37)	5,990 (44.5)	5,990 (49.5)
50						4,870 (26.5)	4,870 (37)	4,870 (43.5)
55							3,980 (28)	3,980 (37)
60							3,260 (13)	3,260 (28.5)
65								2,660 (15.5)

Note: () Boom angles are in degrees.

Minimum boom angle (degrees) for indicated length (no load)

0

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

70

A6-829-007384 & -003716H

Boom Angle	28	34	40	46	52	58	64	70
0°	14,910 (25.1)	11,600 (31)	8,590 (37)	6,530 (43)	5,070 (49)	3,980 (55)	3,130 (61)	2,490 (66.6)

A6-829-009575

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.

RT58E

13



28 - 70 ft.
(8.5 - 21.3 m)



100%



Over Front



Pounds

(Feet)	28	34	40	46	52	58	64	70
10	44,000 (64)	36,000 (69)	36,000 (73)					
12	35,000 (59.5)	35,000 (65.5)	35,000 (70)	35,000 (73)				
15	28,400 (51.5)	28,400 (59.5)	28,400 (65)	28,400 (69)	28,400 (72)	28,400 (74.5)		
20	21,100 (36.5)	21,100 (49)	21,100 (57)	21,100 (62)	21,100 (66)	21,100 (69.5)	21,100 (72)	20,500 (74)
25		17,200 (36)	17,200 (47.5)	17,200 (54.5)	17,200 (60)	17,200 (64)	17,200 (67)	17,200 (69.5)
30		14,050 (15.5)	14,050 (36.5)	14,050 (46.5)	14,050 (53)	14,050 (58)	14,050 (62)	14,050 (65)
35			11,650 (20)	11,650 (36.5)	11,650 (45.5)	11,650 (51.5)	11,650 (56.5)	11,650 (60)
40				9,760 (23)	9,760 (36.5)	9,760 (45)	9,760 (50.5)	9,760 (55)
45					8,280 (25)	8,280 (37)	8,280 (44.5)	8,280 (49.5)
50						7,100 (26.5)	7,100 (37)	7,100 (43.5)
55							5,970 (28)	5,970 (37)
60							5,170 (13)	5,170 (28.5)
65								4,400 (15.5)

Note: () Boom angles are in degrees.

Minimum boom angle (degrees) for indicated length (no load)

0

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

70

A6-829-007377 & -003716H


28 - 70 ft.
(8.6 - 21.3 m)


23 ft.
(7.0 m)


100%


360°

 Pounds

Boom Angle	0° OFFSET	15° OFFSET	30° OFFSET
75	12,000 (27)	7,700 (32.5)	5,070 (35.7)
70	8,860 (33.3)	7,000 (38.1)	4,800 (41.2)
65	6,230 (40.2)	5,830 (44.9)	4,500 (47.8)
60	4,770 (47)	4,630 (51.3)	4,010 (54)
55	3,730 (53.2)	3,660 (57.3)	3,290 (59.8)
50	3,070 (59.2)	2,900 (62.9)	2,700 (65.1)
45	2,520 (64.7)	2,430 (68)	2,300 (69.9)
40	2,040 (69.6)	1,970 (72.6)	1,950 (74.2)
35	1,730 (74)	1,680 (76.6)	1,680 (77.9)
30	1,490 (77.8)	1,460 (80.1)	1,440 (81.0)

NOTE: () Reference radii in feet.

A6-829-007413



28 - 70 ft.
(8.6 - 21.3 m)



Stationary
20.5 X 25 - 24PR Tires



360°



Pounds

(Feet)	28	34	40	46	52	58	64	70
10	26,100 (64)							
12	19,250 (59.5)	19,250 (65.5)						
15	13,450 (51.5)	13,450 (59.5)	13,450 (65)	10,850 (69)	10,850 (72)			
20	8,400 (36.5)	8,400 (49)	8,400 (57)	8,400 (62)	7,660 (66)			
25		5,690 (36)	5,690 (47.5)	5,690 (54.5)	5,690 (60)	5,590 (64)		
30		3,820 (15.5)	3,820 (36.5)	3,820 (46.5)	3,820 (53)	3,820 (58)		
35			2,750 (20)	2,750 (36.5)	2,750 (45.5)	2,750 (51.5)	2,750 (56.5)	
40				1,980 (23)	1,980 (36.5)	1,980 (45)	1,980 (50.5)	1,980 (55)
45					1,380 (25)	1,380 (37)	1,380 (44.5)	1,380 (49.5)
50						920 (26.5)	920 (37)	920 (43.5)

NOTE: () Boom angles are in degrees.

A6-829-009326

Boom Angle	28	34	40	46	52
0°	4,800 (25.1)	3,010 (31)	2,060 (37)	1,360 (43)	850 (49)

A6-829-009575



28 - 70 ft.
(8.6 m - 21.3 m)



Stationary
20.5 X 25 - 24PR Tires



Defined Arc
Over Front
±6°



Pounds

(Feet)	28	34	40	46	52	58	64	70
10	34,950 (64)							
12	29,800 (59.5)	24,150 (65.5)						
15	24,150 (51.5)	24,150 (59.5)	17,500 (65)	16,200 (69)	16,200 (72)			
20	15,450 (36.5)	15,450 (49)	15,450 (57)	12,000 (62)	12,000 (66)			
25		10,300 (36)	10,300 (47.5)	10,300 (54.5)	9,300 (60)	9,300 (64)		
30		7,450 (15.5)	7,450 (36.5)	7,450 (46.5)	7,450 (53)	7,370 (58)	7,370 (62)	
35			5,700 (20)	5,700 (36.5)	5,700 (45.5)	5,700 (51.5)	5,700 (56.5)	
40				4,450 (23)	4,450 (36.5)	4,450 (45)	4,450 (50.5)	4,450 (55)
45					3,520 (25)	3,520 (37)	3,520 (44.5)	3,520 (49.5)
50						2,800 (26.5)	2,800 (37)	2,800 (43.5)
55							2,220 (28)	2,220 (37)
60							1,740 (13)	1,740 (28.5)
65								1,350 (15.5)

NOTE: () Boom angles are in degrees.

A6-829-009325

Boom Angle	28	34	40	46	52	58	64	70
0°	10,250 (25.1)	7,020 (31)	5,160 (37)	3,860 (43)	2,930 (49)	2,220 (55)	1,660 (61)	1,240 (66.6)

A6-829-009575

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.
(8.6 - 21.3 m)



Pick & carry
Up to 2.5 MPH
20.5 X 25 - 24PR Tires



Boom Centered
Over Front



(Feet)



Pounds

(Feet)	28	34	40	46	52	58	64	70
10	34,800 (64)							
12	29,900 (59.5)							
15	24,400 (51.5)	24,400 (59.5)	17,500 (65)	15,750 (69)				
20	15,450 (36.5)	15,450 (49)	15,450 (57)	11,750 (62)	11,750 (66)			
25		9,580 (36)	9,580 (47.5)	9,100 (54.5)	9,100 (60)	9,100 (64)		
30		7,450 (15.5)	7,450 (36.5)	7,450 (46.5)	7,230 (53)	7,230 (58)	7,230 (62)	
35			5,700 (20)	5,700 (36.5)	5,700 (45.5)	5,700 (51.5)	5,700 (56.5)	
40				4,450 (23)	4,450 (36.5)	4,450 (45)	4,450 (50.5)	
45					3,520 (25)	3,520 (37)	3,520 (44.5)	
50						2,800 (26.5)	2,800 (37)	
55							2,220 (28)	
60							1,740 (13)	1,740 (28.5)
65								1,350 (15.5)

Note: () Boom angles are in degrees.

A6-829-009327

Boom Angle	28	34	40	46	52	58	64	70
0°	9,550 (25.1)	7,020 (31)	5,160 (37)	3,860 (43)	2,930 (49)	2,220 (55)	1,660 (61)	1,240 (66.6)

A6-829-009575

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.

WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

20 FT. A-FRAME JIB WITH 25' - 60' BOOM

*Stowed -	248 lbs.
*Erected -	1,375 lbs.

*Reduction of main boom capacities

23 FT. A-FRAME JIB WITH 28' - 70' BOOM

*Stowed -	381 lbs.
*Erected -	1,950 lbs.

*Reduction of main boom capacities

AUXILIARY BOOM HEAD	100 lbs.
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HOOKBLOCKS and HEADACHE BALLS:

12 Ton, 1 Sheave (12-1/8" OD)	268 lbs.+
22 Ton, 3 Sheave	455 lbs.+
7 -1/2 Ton Headache Ball	338 lbs.+
5 Ton Headache Ball	172 lbs.+

+Refer to rating plate for actual weight.

NOTES:

Rated lifting capacities

Important Notes:

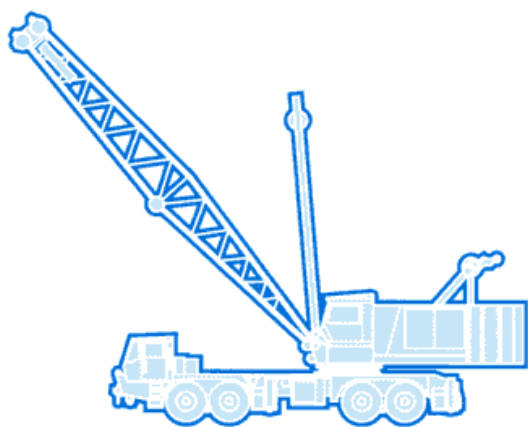
Warning: THIS CHART IS ONLY A GUIDE.

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, and do not exceed 85% of the tipping load on outriggers (75% of the tipping load on rubber) as determined by 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 used as a capacity indicator.
4. All capacities are for crane on firm, level 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 boom length shall be used.
6. For outrigger operation, ALL outriggers shall be fully 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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