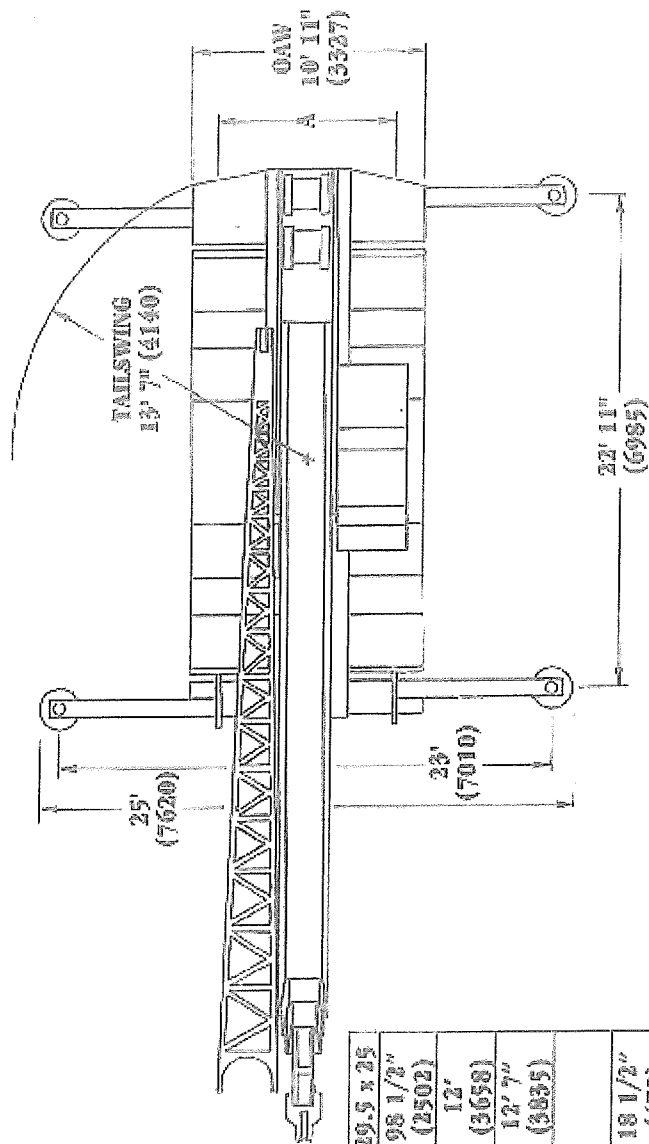
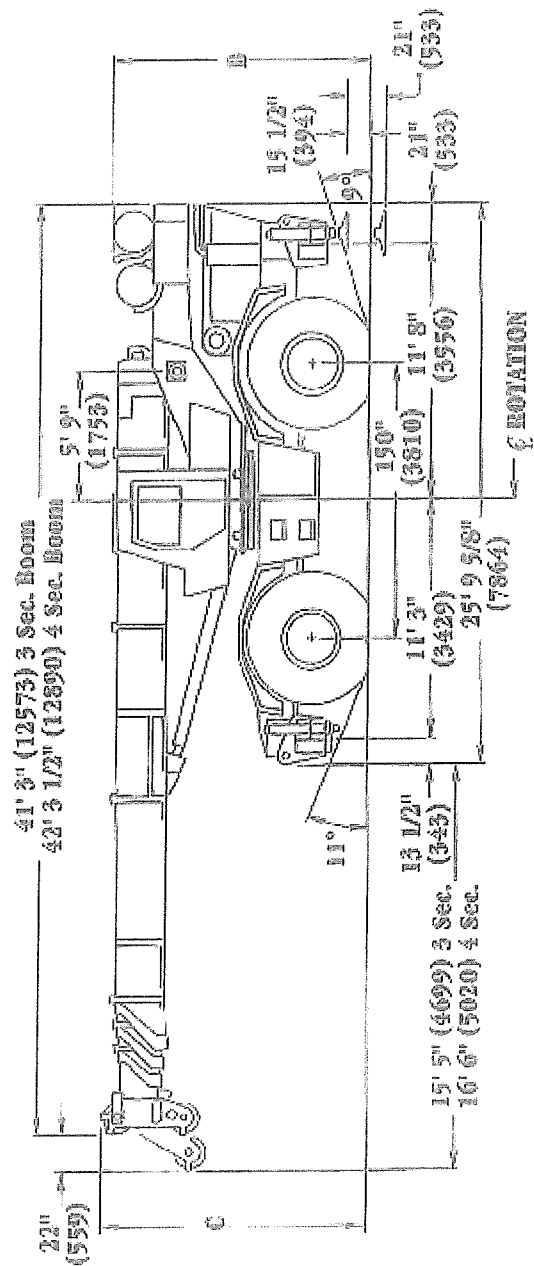




TRUSS SIZE	21 x 25	26.5 x 25	29.5 x 25
A (Truss)	96 1/2" (2451)	97 1/2" (2477)	98 1/2" (2502)
B (OH)	11' 9 3/4" (3600)	11' 10" (3610)	12' (3658)
C	12' 4 1/2" (3772)	12' 5" (3785)	12' 7" (3835)
Turning Radius		21' 9" (6.6)	
Ground Clearance	16"	16 1/2" (419)	18 1/2" (470)



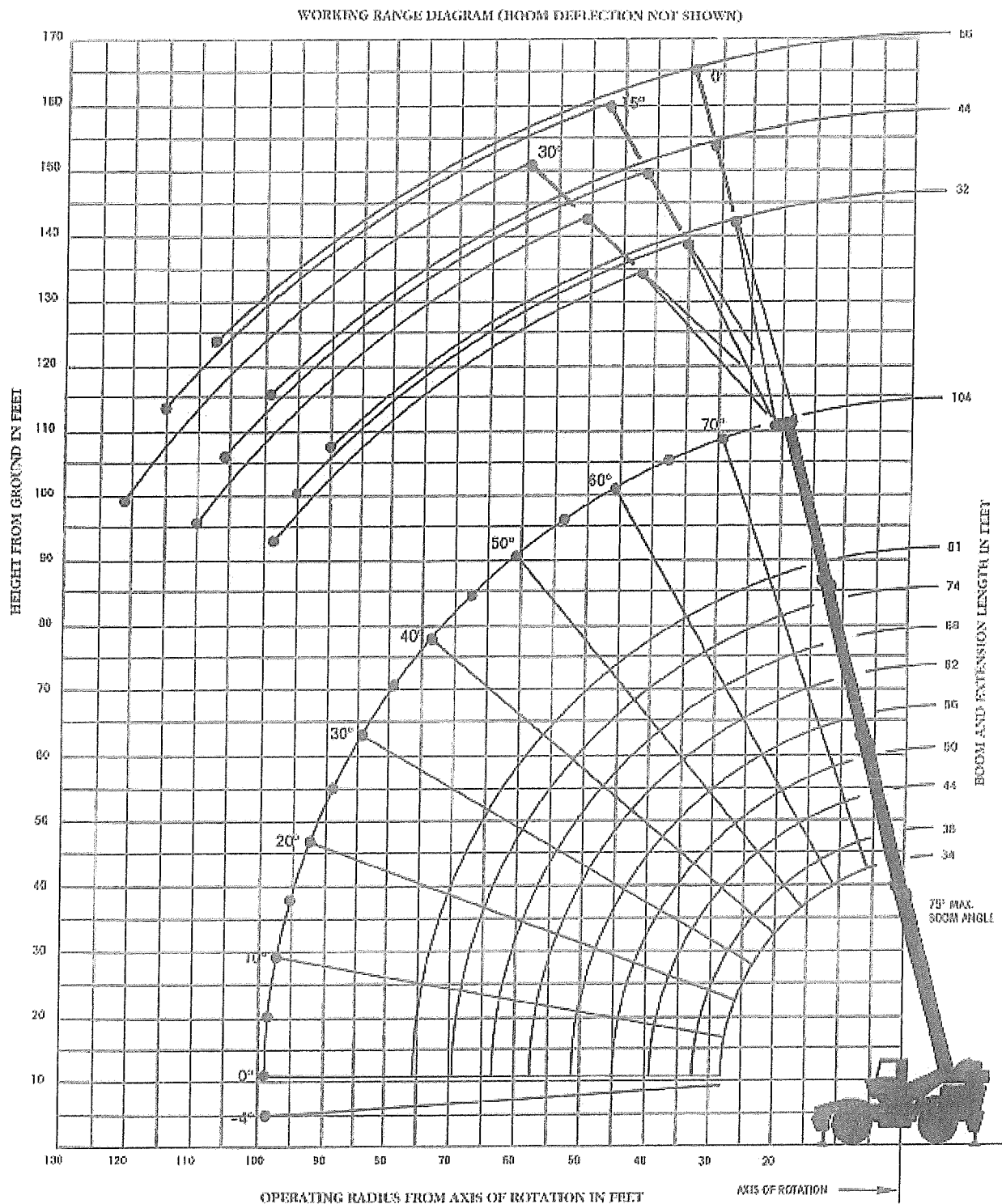


GROVE®
worldwide

RT745

Rough terrain hydraulic crane/85% Domestic

34 ft.-104 ft. powered pinned boom



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 have been tested to and meet minimum requirements of SAE J1063 OCT80 - Camblevered 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 SAE J765 OCT 80 Crane Stability Test Code.
2. Capacities given do not include the weight of hookblocks, 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. Defined Arc $\pm 6^\circ$ on either side of longitudinal centerline of machine.
4. Capacities appearing above the build line are based on structural strength and tipping should not be relied upon as a capacity limitation.
5. 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.
6. 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.
7. Tires shall be inflated to the recommended pressure before lifting on rubber.
8. For outrigger operation, ALL outriggers shall be fully extended with lines raised free of ground before raising the boom or lifting loads.
9. Unless otherwise stated, capacities are with powered boom sections equally extended.
10. With tele boom extension in working position and main boom length greater than 81 ft., boom angle must not be less than 30° , since loss of stability will occur causing a tipping condition.

Greatest 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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ON RUBBER 21.00X25 - 24 PLY TIRES (STATIONARY - DEFINED ARC OVER FRONT)

Radius in Feet	Main Boom Length in Feet								
	24	30	44	50	55	62	68	75	81
10	84,000 (185.5)	65,000 (151)							
12	81,000 (180)	59,000 (132.5)							
14	78,000 (173.5)	53,000 (118.5)	22,400 (50.5)						
20	67,000 (149)	45,000 (100)	21,900 (48.5)	20,400 (45.5)					
25	59,000 (130)	39,000 (86.5)	17,000 (37.5)	16,400 (36)	15,800 (35)	15,200 (33.5)			
30		33,000 (73.5)	13,200 (29.5)	12,600 (28)	12,000 (26.5)	11,400 (25)	10,800 (23.5)	10,200 (22.5)	9,600 (21)
35			11,400 (25.5)	10,800 (24)	10,200 (22.5)	9,600 (21)	9,000 (19.5)	8,400 (18.5)	7,800 (17)
40				9,600 (21)	9,000 (19.5)	8,400 (18.5)	7,800 (17)	7,200 (15.5)	6,600 (14.5)
45					7,800 (17)	7,200 (15.5)	6,600 (14.5)	6,000 (13.5)	5,400 (12)
50						6,000 (13.5)	5,400 (12)	4,800 (10.5)	4,200 (9.5)
55							4,800 (10.5)	4,200 (9.5)	3,600 (8)
60								3,600 (8)	3,000 (6.5)
65									2,400 (5.5)
70									1,800 (4)
75									1,200 (3)
80									600 (1.5)
85									300 (0.75)

46-819-409321

ON RUBBER (STATIONARY CAPACITIES - 360°)

Radius in Feet	Main Boom Length in Feet								
	24	30	44	50	55	62	68	75	81
10	84,000 (185.5)	65,000 (151)							
12	81,000 (180)	59,000 (132.5)							
14	78,000 (173.5)	53,000 (118.5)	22,400 (50.5)						
20	67,000 (149)	45,000 (100)	21,900 (48.5)	20,400 (45.5)					
25	59,000 (130)	39,000 (86.5)	17,000 (37.5)	16,400 (36)	15,800 (35)	15,200 (33.5)			
30		33,000 (73.5)	13,200 (29.5)	12,600 (28)	12,000 (26.5)	11,400 (25)	10,800 (23.5)	10,200 (22.5)	9,600 (21)
35			11,400 (25.5)	10,800 (24)	10,200 (22.5)	9,600 (21)	9,000 (19.5)	8,400 (18.5)	7,800 (17)
40				9,600 (21)	9,000 (19.5)	8,400 (18.5)	7,800 (17)	7,200 (15.5)	6,600 (14.5)
45					7,800 (17)	7,200 (15.5)	6,600 (14.5)	6,000 (13.5)	5,400 (12)
50						6,000 (13.5)	5,400 (12)	4,800 (10.5)	4,200 (9.5)
55							4,800 (10.5)	4,200 (9.5)	3,600 (8)
60								3,600 (8)	3,000 (6.5)
65									2,400 (5.5)
70									1,800 (4)
75									1,200 (3)
80									600 (1.5)
85									300 (0.75)

46-819-409322

PICK & CARRY CAPACITIES (UP TO 2.5 MPH) BOOM CENTERED OVER FRONT

Radius in Feet	Main Boom Length in Feet								
	24	30	44	50	55	62	68	75	81
10	84,000 (185.5)	65,000 (151)							
12	81,000 (180)	59,000 (132.5)							
14	78,000 (173.5)	53,000 (118.5)	22,400 (50.5)						
20	67,000 (149)	45,000 (100)	21,900 (48.5)	20,400 (45.5)					
25	59,000 (130)	39,000 (86.5)	17,000 (37.5)	16,400 (36)	15,800 (35)	15,200 (33.5)			
30		33,000 (73.5)	13,200 (29.5)	12,600 (28)	12,000 (26.5)	11,400 (25)	10,800 (23.5)	10,200 (22.5)	9,600 (21)
35			11,400 (25.5)	10,800 (24)	10,200 (22.5)	9,600 (21)	9,000 (19.5)	8,400 (18.5)	7,800 (17)
40				9,600 (21)	9,000 (19.5)	8,400 (18.5)	7,800 (17)	7,200 (15.5)	6,600 (14.5)
45					7,800 (17)	7,200 (15.5)	6,600 (14.5)	6,000 (13.5)	5,400 (12)
50						6,000 (13.5)	5,400 (12)	4,800 (10.5)	4,200 (9.5)
55							4,800 (10.5)	4,200 (9.5)	3,600 (8)
60								3,600 (8)	3,000 (6.5)
65									2,400 (5.5)
70									1,800 (4)
75									1,200 (3)
80									600 (1.5)
85									300 (0.75)

NOTE: Boom angles are in degrees.

46-819-409323

NO LOAD STABILITY ON RUBBER

No Load Stability Data		Main Boom Fly Ret.
Front (No load)	Min. boom angle (deg.) for indicated length	0
	Max. boom length (ft.) at 0 deg. boom angle	81
360 Deg. (No load)	Min. boom angle (deg.) for indicated length	47
	Max. boom length (ft.) at 0 deg. boom angle	62

32 FT. SWINGAWAY - 360°

Main Boom Angle (Deg.)	8" OFFSET	15" OFFSET	30" OFFSET
POWER PINNED FLY RETRACTED			
	#0051	#0052	#0053
75	18,200 (82.5)	10,300 (46.6)	6,900 (31.0)
70	14,300 (64.6)	9,000 (40.4)	6,400 (29.0)
65	12,200 (55.4)	8,000 (36.3)	6,100 (27.6)
60	10,200 (46.2)	7,100 (32.1)	5,600 (25.4)
55	8,800 (39.8)	6,000 (27.2)	5,400 (24.5)
50	7,900 (35.7)	5,100 (23.1)	5,100 (23.1)
45	7,020 (31.7)	5,700 (25.8)	5,000 (22.7)
POWER PINNED FLY EXTENDED			
	#0055	#0056	#0057
75	11,000 (49.4)	8,500 (38.3)	6,400 (29.0)
70	9,200 (41.6)	7,500 (33.8)	6,000 (27.2)
65	7,800 (35.1)	6,500 (29.4)	5,500 (25.0)
60	6,800 (30.7)	5,700 (25.8)	5,100 (23.1)
55	5,700 (25.8)	5,000 (22.7)	4,700 (21.4)
50	5,000 (22.7)	4,400 (19.8)	4,200 (19.0)
45	4,220 (19.0)	3,700 (16.8)	3,410 (15.5)

AG-829-008562 & 008563

MAIN BOOM ON OUTRIGGERS FULLY EXTENDED - 360°

Radius (in Feet)	#0061 Main Boom Length in Feet (Power Pinned Fly Retracted)									#0062 Power Pin. Fly Ext. 8 ft. L.
	34	38	44	50	56	62	68	74	81	
10	50,000 (22.7)	73,750 (33.4)	68,950 (31.1)	68,250 (30.9)	63,350 (28.7)					
12	75,000 (34.0)	73,750 (33.4)	66,750 (30.2)	61,500 (27.9)	57,150 (26.0)	53,750 (24.4)				
15	85,000 (38.6)	62,000 (28.0)	58,050 (26.4)	54,900 (25.0)	51,000 (23.2)	46,850 (21.4)	43,850 (19.9)	40,050 (18.3)		
20	47,300 (21.4)	47,300 (21.4)	47,300 (21.4)	43,950 (19.9)	40,550 (18.4)	38,000 (17.2)	35,700 (16.1)	33,100 (15.1)	30,000 (13.7)	
25	36,000 (16.3)	36,000 (16.3)	36,000 (16.3)	36,000 (16.3)	34,050 (15.5)	31,800 (14.5)	29,900 (13.6)	27,600 (12.6)	25,200 (11.6)	21,800 (9.9)
30		29,000 (13.1)	29,000 (13.1)	29,000 (13.1)	28,000 (12.6)	27,000 (12.2)	25,600 (11.6)	23,900 (10.9)	21,500 (9.8)	18,800 (8.6)
35			23,800 (10.8)	23,800 (10.8)	23,800 (10.8)	22,750 (10.3)	22,250 (10.1)	20,350 (9.3)	18,550 (8.5)	16,400 (7.5)
40				19,200 (8.8)	19,200 (8.8)	18,700 (8.6)	18,200 (8.4)	17,600 (8.1)	16,200 (7.4)	14,500 (6.6)
45					15,900 (7.2)	15,400 (7.0)	14,900 (6.8)	14,350 (6.6)	13,750 (6.3)	12,750 (5.8)
50						13,150 (6.0)	13,150 (6.0)	13,150 (6.0)	12,600 (5.7)	11,200 (5.1)
55							11,200 (5.1)	11,200 (5.1)	11,200 (5.1)	10,600 (4.8)
60								9,500 (4.3)	9,500 (4.3)	9,050 (4.1)
65									8,000 (3.6)	8,150 (3.7)
70										6,570 (3.0)
75										
80										
85										
90										
95										
Minimum boom angle (deg.) for indicated length (no load)										0
Maximum boom length (ft.) at 0 deg. boom angle (no load)										81

AG-829-008671

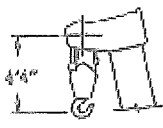
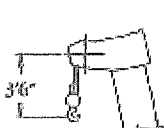
WEIGHT REDUCTION FOR LOAD HANDLING DEVICES

32 ft. Extension with 34 ft. - 104 ft. Boom	
*Stowed -	884 lbs.
*Erected -	5,730 lbs.

32 ft. - 56 ft. Tele. Ext. with 34 ft. - 104 ft. Boom	
*Stowed -	1,038 lbs.
*Erected (ret) -	7,268 lbs.
*Erected (ext) -	9,367 lbs.

AUXILIARY BOOM HEAD	220 lbs.
HOOKEBLOCKS & HEADACHE BALLS:	
15 Ton, 1 Sheave	409 lbs.
45 Ton, 3 Sheave	1,100 lbs.
7.5 Ton Headache Ball	338 lbs.
10 Ton Headache Ball	560 lbs.

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



32 FT. - 56 FT. TELE. SWINGAWAY - 360°

Main Boom Angle (Deg.)	32 ft. LENGTH			44 ft. LENGTH			56 ft. LENGTH		
	8" OFFSET	15" OFFSET	30" OFFSET	8" OFFSET	15" OFFSET	30" OFFSET	8" OFFSET	15" OFFSET	30" OFFSET
POWER PINNED FLY RETRACTED									
	#0021	#0022	#0023	#0024	#0025	#0026	#0027	#0028	#0029
75	17,500 (79.5)	9,500 (43.1)	6,500 (29.6)	11,300 (51.2)	6,400 (29.0)	4,500 (20.4)	9,900 (45.1)	4,800 (21.8)	3,200 (14.5)
70	14,200 (64.6)	8,500 (38.6)	5,800 (26.4)	9,400 (42.6)	5,200 (23.6)	3,800 (17.2)	7,100 (32.1)	4,200 (19.0)	2,800 (12.7)
65	11,500 (52.4)	7,300 (33.1)	5,000 (22.7)	7,700 (35.0)	4,800 (21.8)	3,700 (16.8)	5,700 (25.8)	3,600 (16.3)	2,600 (11.8)
60	9,500 (43.4)	6,500 (29.6)	5,000 (22.7)	6,400 (29.0)	4,500 (20.4)	3,600 (16.3)	4,800 (21.8)	3,200 (14.5)	2,200 (10.0)
55	8,100 (36.8)	5,500 (25.0)	4,700 (21.4)	5,200 (23.6)	4,100 (18.6)	3,400 (15.5)	4,600 (20.9)	2,800 (12.7)	2,400 (10.9)
50	7,700 (34.7)	5,400 (24.5)	4,400 (20.0)	4,800 (21.8)	3,800 (17.2)	3,300 (15.0)	4,400 (20.0)	2,600 (11.8)	2,300 (10.5)
45	6,500 (29.6)	5,000 (22.7)	4,300 (19.5)	4,500 (20.4)	3,600 (16.3)	3,200 (14.5)	4,200 (19.0)	2,500 (11.3)	2,200 (10.0)
POWER PINNED FLY EXTENDED									
	#0035	#0036	#0037	#0038	#0039	#0040	#0041	#0042	#0043
75	10,500 (47.8)	7,800 (35.3)	6,000 (27.2)	8,700 (39.5)	5,200 (23.6)	4,300 (19.5)	7,800 (35.3)	4,400 (20.0)	3,000 (13.7)
70	8,500 (38.6)	5,800 (26.4)	5,200 (23.6)	7,100 (32.1)	3,900 (17.6)	3,000 (13.7)	6,000 (27.2)	3,800 (17.2)	2,700 (12.3)
65	7,100 (32.1)	5,800 (26.4)	4,800 (21.8)	6,500 (29.6)	3,700 (16.8)	3,000 (13.7)	5,000 (22.7)	3,200 (14.5)	2,500 (11.3)
60	5,800 (26.4)	5,100 (23.1)	4,500 (20.4)	5,200 (23.6)	4,100 (18.6)	3,400 (15.5)	4,200 (19.0)	3,000 (13.7)	2,400 (10.9)
55	5,000 (22.7)	4,300 (19.5)	4,000 (18.2)	4,500 (20.4)	3,600 (16.3)	3,000 (13.7)	4,000 (18.2)	2,800 (12.7)	2,300 (10.5)
50	4,300 (19.5)	3,600 (16.3)	3,300 (15.0)	3,800 (17.2)	3,100 (14.1)	2,700 (12.3)	3,700 (16.8)	2,400 (10.9)	2,000 (9.1)
45	3,500 (15.9)	3,200 (14.5)	2,900 (13.1)	3,400 (15.5)	2,800 (12.7)	2,400 (10.9)	3,200 (14.5)	2,100 (9.5)	1,800 (8.2)

AG-829-008232

ZERO DEGREE BOOM ANGLE CHARTS

ON OUTRIGGERS - 360°

Boom Angle	Main Boom Length in Feet									
	34	38	44	50	56	62	68	74	81	104
0°	20,250 (28)	17,050 (32.3)	13,650 (38.3)	11,000 (44.3)	9,010 (50.3)	7,370 (56.3)	6,020 (62.3)	4,900 (68.3)	3,860 (74.8)	2,670 (98.2)

ON RUBBER 21.00 x 25 TIRES

Stationary Capacity Defined Arc (3) Over Front

Boom Angle	Main Boom Length in Feet							
	34	38	44	50	56	62	68	74
0°	17,900 (28)	13,850 (32.3)	9,960 (38.3)	7,290 (44.3)	5,350 (50.3)	3,880 (56.3)	2,730 (62.3)	1,800 (68.3)

Stationary Capacity 360° Arc

Boom Angle	Main Boom Length in Feet				
	34	38	44	50	56
0°	8,920 (28)	6,480 (32.3)	4,130 (38.3)	2,480 (44.3)	1,260 (50.3)

Pick & Carry Capacities Up to 2.5 MPH Boom Centered (7) Over Front

Boom Angle	Main Boom Length in Feet									
	34	38	44	50	56	62	68	74	81	
0°	17,900 (28)	11,200 (32.3)	9,470 (38.3)	6,860 (44.3)	5,170 (50.3)	3,750 (56.3)	2,670 (62.3)	1,780 (68.3)	1,050 (74.8)	

9380

Note: () Reference radii in feet

Refer to in-cab load chart for notes

ON RUBBER 26.5 x 25 TIRES

Stationary Capacity Defined Arc (3) Over Front

Boom Angle	Main Boom Length in Feet							
	34	38	44	50	56	62	68	74
0°	17,650 (28)	13,500 (32.3)	9,680 (38.3)	7,160 (44.3)	5,300 (50.3)	3,720 (56.3)	2,660 (62.3)	1,760 (68.3)

Stationary Capacity 360° Arc

Boom Angle	Main Boom Length in Feet				
	34	38	44	50	56
0°	8,310 (28)	5,975 (32.3)	3,910 (38.3)	2,370 (44.3)	1,235 (50.3)

Pick & Carry Capacities Up to 2.5 MPH Boom Centered (7) Over Front

Boom Angle	Main Boom Length in Feet							
	34	38	44	50	56	62	68	74
0°	17,650 (28)	11,600 (32.3)	8,820 (38.3)	6,780 (44.3)	5,160 (50.3)	3,650 (56.3)	2,610 (62.3)	1,680 (68.3)

9385

ON RUBBER 29.5 x 25 TIRES

Stationary Capacity Defined Arc (3) Over Front

Boom Angle	Main Boom Length in Feet								
	34	38	44	50	56	62	68	74	81
0°	18,350 (28)	13,600 (32.3)	9,930 (38.3)	7,320 (44.3)	5,455 (50.3)	3,990 (56.3)	2,780 (62.3)	1,950 (68.3)	1,080 (74.8)

Stationary Capacity 360° Arc

Boom Angle	Main Boom Length in Feet				
	34	38	44	50	56
0°	8,740 (28)	6,280 (32.3)	4,060 (38.3)	2,440 (44.3)	1,330 (50.3)

Pick & Carry Capacities Up to 2.5 MPH Boom Centered (7) Over Front

Boom Angle	Main Boom Length in Feet								
	34	38	44	50	56	62	68	74	81
0°	18,350 (28)	13,108 (32.3)	9,930 (38.3)	7,320 (44.3)	5,455 (50.3)	3,990 (56.3)	2,780 (62.3)	1,950 (68.3)	1,080 (74.6)

[illegible]

46-929-449277

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1990	18,980 (63.6)											
1991	18,220 (62)											
1992	18,770 (63.5)											
1993	18,420 (62)	17,015 (57)	17,050 (57.5)	22,010 (72.5)								
1994	22,740 (75)	22,740 (75.5)	15,000 (50)	17,200 (57.5)	17,210 (58)							
1995	16,970 (56.5)	16,856 (56)	17,000 (56.5)	12,110 (40)	12,110 (40.5)							
1996	15,550 (52.5)	15,600 (52.5)	15,600 (53)	10,500 (35)	10,500 (35.5)				10,922 (37)			
1997			9,721 (33.5)	9,651 (33.5)	9,651 (34)				9,650 (33.5)	9,251 (32.5)	8,100 (28.5)	
1998				7,050 (24.5)	7,050 (25)				7,050 (24.5)	7,051 (24.5)	11,051 (38.5)	
1999					5,650 (20)	5,650 (20.5)			5,650 (20.5)	5,651 (20.5)	7,520 (25)	
2000						4,291 (15)	4,291 (15.5)		4,290 (15.5)	4,290 (15.5)	4,560 (16.5)	
2001									3,749 (14.5)	3,749 (14.5)	3,810 (14.5)	
2002										2,883 (10)	2,160 (8)	
2003											1,719 (6.5)	

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Route to Port	Non-ice length (mi)							
	74	70	66	52	55	62	68	73
10	44.622 (53.5)							
12	27.943 (50)							
45	27.131 (53.5)							
20	12.531 (42)	16.210 (45)	16.510 (55.5)	14.022 (50.5)				
26	11.150 (46)	11.750 (37.5)	11.012 (47)	10.463 (38.5)	12.493 (46)			
10		7.643 (27.5)	7.850 (34)	7.650 (26)	7.445 (25)	7.341 (25.5)		
35			5.760 (23.5)	0.750 (3)	0.155 (4)	1.162 (5.5)	1.101 (5.5)	
62				1.510 (45.5)	3.355 (44)	2.610 (40.5)	2.610 (40.5)	3.510 (53.5)
48					2.272 (29.5)	2.293 (29.5)	2.270 (29.5)	2.292 (48.5)
32					1.675 (6)	1.210 (2.5)	1.210 (2.5)	1.570 (4.5)

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Rattan in feet	Mann-Whitney U-Test for Length in Feet									
	24	26	28	30	32	34	36	38	40	42
40	22,102 (25.5)									
42	45,610 (100)									
44	37,750 (53.5)									
20	33,640 (22)	26,500 (14)	22,210 (38.5)	22,232 (100.5)						
26	22,340 (22)	19,500 (57.5)	19,000 (67)	17,232 (125.5)	17,200 (16)					
10	15,870 (0.5)	13,600 (59)	13,000 (59)	13,000 (160)	13,000 (22)	13,100 (85.5)				
35		11,522 (35.5)	11,600 (17)	10,500 (54)	10,500 (100.5)					
42			9,127 (22.5)	8,001 (52)	8,100 (64)	8,050 (48.5)	10,021 (99)			
42				7,091 (30.5)	7,500 (64)	7,000 (44.5)	7,000 (44.5)	7,000 (44.5)	7,000 (44.5)	7,000 (44.5)
64				3,500 (12)	3,500 (12)	3,500 (12)	3,500 (12)	3,500 (12)	3,500 (12)	3,500 (12)
72					4,200 (24)	4,200 (24)	4,200 (24)	4,200 (24)	4,200 (24)	4,200 (24)
60						3,500 (20)	3,500 (20)	3,500 (20)	3,500 (20)	3,500 (20)
70							2,200 (10)	2,200 (10)	2,200 (10)	2,200 (10)
70								1,750 (22.5)	1,750 (22.5)	1,750 (22.5)