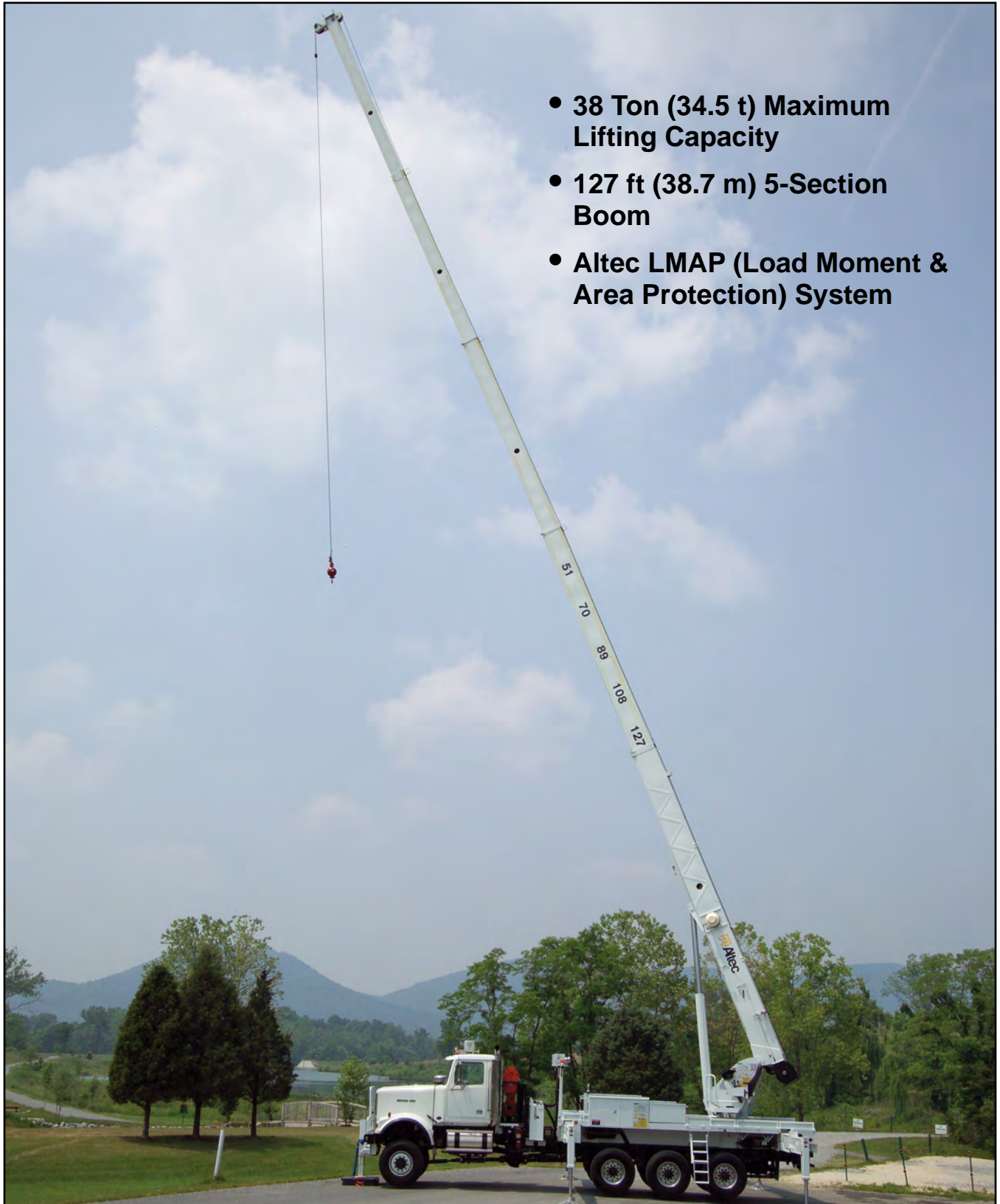




Altec AC38-127S-HL Hydraulic Telescopic Crane



- 38 Ton (34.5 t) Maximum Lifting Capacity
- 127 ft (38.7 m) 5-Section Boom
- Altec LMAP (Load Moment & Area Protection) System

PR	SYM	REVISIONS	ER03-0555
		DESCRIPTION	
		DATE	
		BY	
		DATE	
		BY	
		DATE	
		BY	
		DATE	
		BY	

BLACK COLOR TEXT ON YELLOW BACK-GROUND

BLACK COLOR TEXT ON YELLOW BACK-GROUND

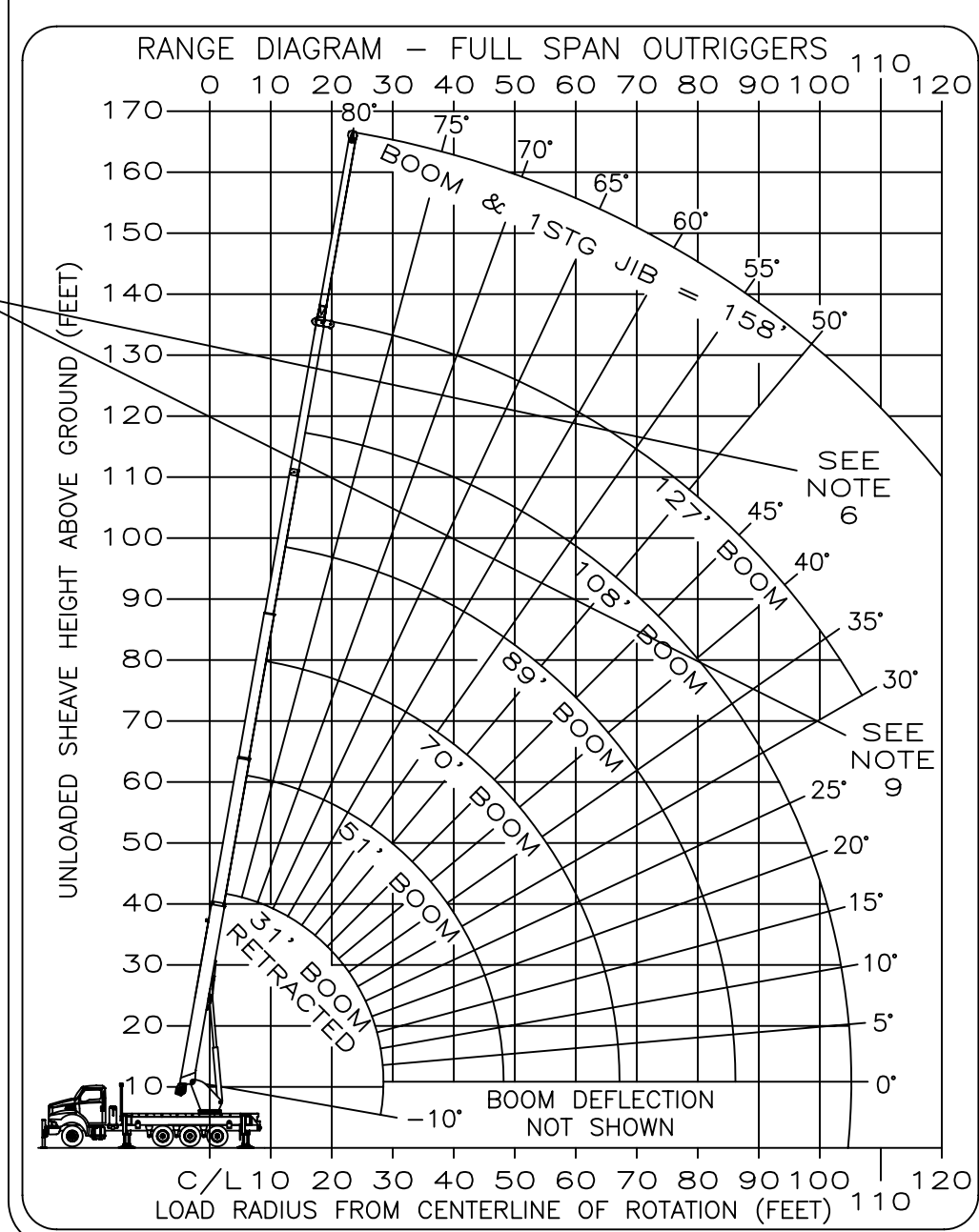
BLACK COLOR TEXT ON WHITE BACK-GROUND

SYM	DESCRIPTION	DATE	BY
E	WHITE BACKGROUND OR LETTERING WAS SILVER; COMPLY WITH ASME B30.5 AND ANSI Z39.5	07/22/05	

"ALTEC" AND MODEL LETTERING TO BE WHITE ON BLACK BACKGROUND BORDER

13.83

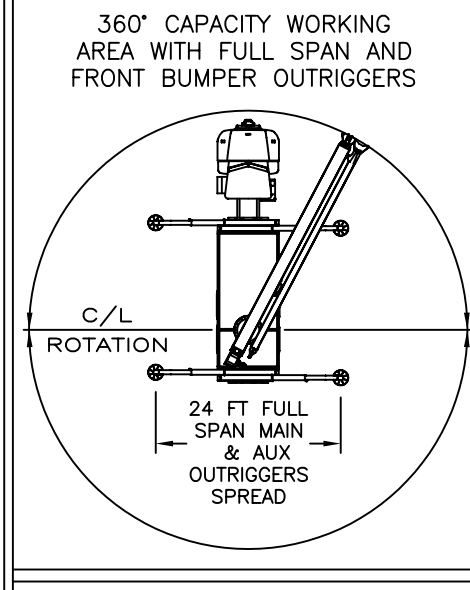
ALTEC MODEL: AC38-127S-HL



BOOM LOAD CAPACITIES IN LBS. WITH FULL SPAN OUTRIGGERS (24 FT)

LOAD RADIUS (FT)	31 FT BOOM		51 FT BOOM		70 FT BOOM		89 FT BOOM		108 FT BOOM		127 FT BOOM	
	LBS	▲	LBS	▲	LBS	▲	LBS	▲	LBS	▲	LBS	▲
6	73	76000										
8	69	62600										
10	65	54000	76	35000								
12	60	47500	74	33000								
15	56	39500	70	31500	76	30000						
20	45	28000	64	26450	72	23000	77	17000				
25	28	21000	57	21000	68	20500	73	16500	77	14000		
30			50	17250	63	15650	70	14400	75	12000	77	8400
35			42	13800	58	13700	66	11850	72	10500	75	7900
40			33	11400	53	11000	62	9800	69	9150	73	7600
45			20	9200	47	9950	59	8100	66	7650	71	7350
50					41	8100	55	7200	63	6550	69	6500
55					34	6700	51	6700	60	5500	66	5600
60					26	5500	47	5700	56	5000	63	4900
65					14	4400	43	4750	53	4650	60	4200
70							37	3750	49	3650	58	3600
75							30	3050	48	3250	55	3100
80							23	2450	41	2600	52	2650
85							9	1900	37	2050	49	2200
90									32	1600	46	1800
95									26	1150	42	1300
100									22	850	37	950
105											34	800
110											30	650
0	15500	0	6450	0	2900	0	1450	0	700	0	150	0
	500		350		250		200		150		150	

AREA OF OPERATION



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

OVERHAUL BALL: 230 LBS

1-SHEAVE LOADBLOCK: 360 LBS

2-SHEAVE LOADBLOCK: 500 LBS

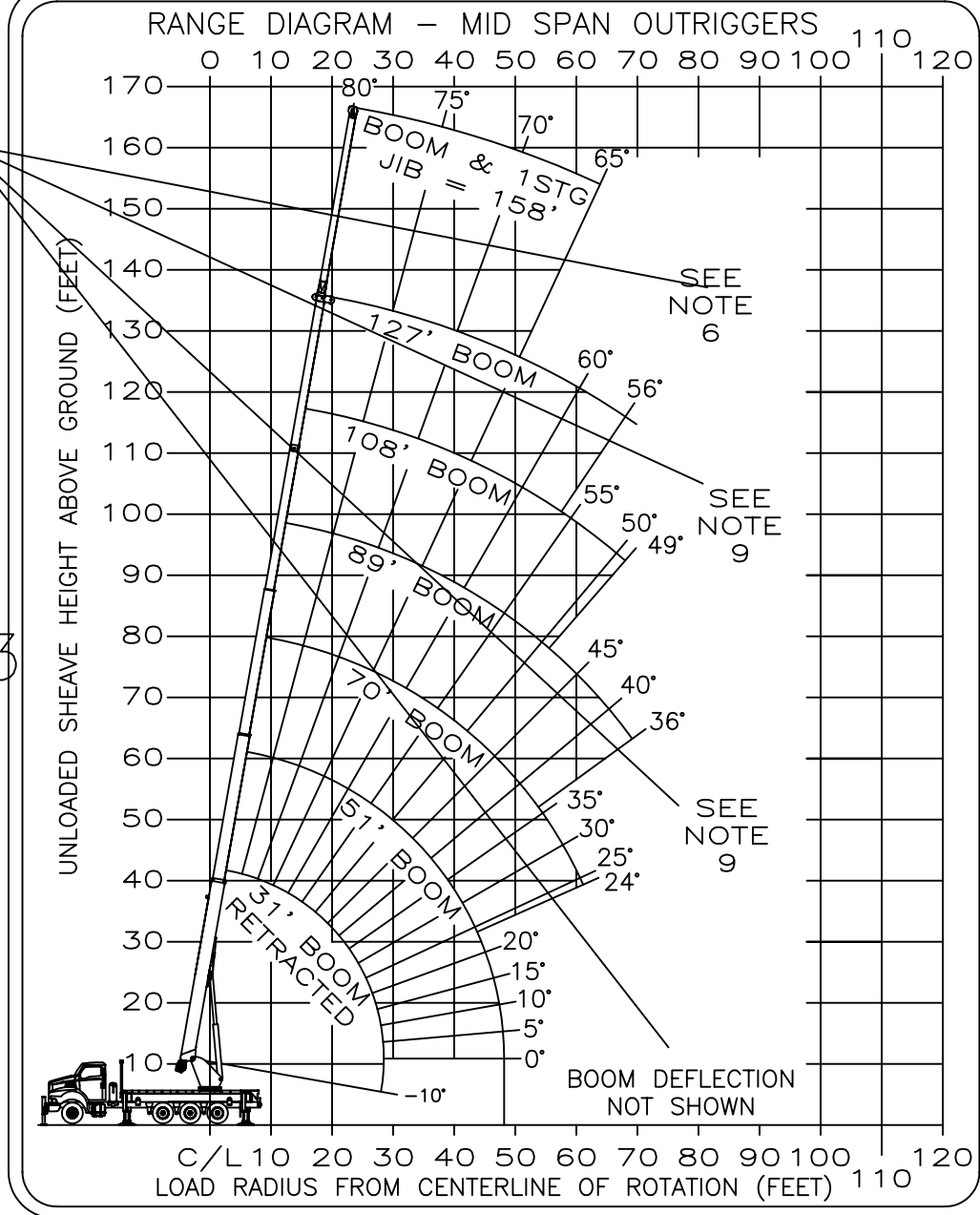
3-SHEAVE LOADBLOCK: 600 LBS

JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS

LOADED BOOM ANGLE	50°	55°	60°	65°	70°	75°	80°
1 STAGE 31 FT JIB	700	1250	1900	2600	3100	3400	3900

* DO NOT OPERATE JIB BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6.

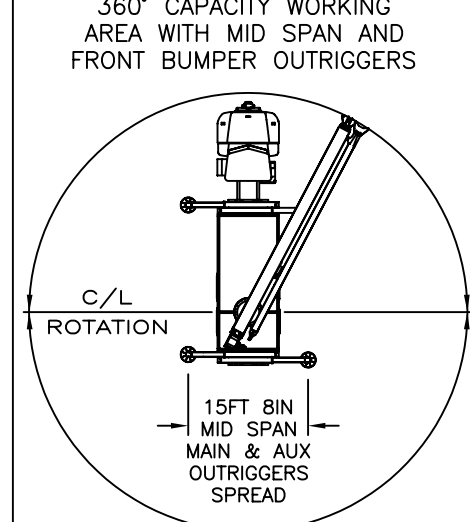
970041779 B (SHEET 1)



BOOM LOAD CAPACITIES IN LBS. WITH MID SPAN OUTRIGGERS (15 FT 8 IN)

LOAD RADIUS (FT)	31 FT BOOM		51 FT BOOM		70 FT BOOM		89 FT BOOM		108 FT BOOM		127 FT BOOM	
	LBS	▲	LBS	▲	LBS	▲	LBS	▲	LBS	▲	LBS	▲
6	72	68000										
8	69	50500										
10	64	43300	75	34500								
12	62	38100	73	31600								
15	54	32500	69	27500	75	24000						
20	42	19650	63	21800	71	20200	76	16850				
25	23	11800	56	13600	67	14200	72	14800	76	12900		
30			48	9150	62	9750	69	10200	74	10450	77	8400
35			40	6350	57	6850	66	7350	71	7650	75	7850
40			30	4450	52	5000	62	5450	68	5600	72	5850
45			15	3000	46	3600	58	4000	65	4150	70	4400
50					40	2800	54	3000	61	3000	67	3250
55					33	1650	50	2000	58	2100	64	2300
60					24	950	45	1300	55	1400	62	1500
65							40	750	52	800	59	950
70							36	550	49	600	56	600
0	8200	0	2150				200		150		150	

AREA OF OPERATION



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

OVERHAUL BALL: 230 LBS

1-SHEAVE LOADBLOCK: 360 LBS

2-SHEAVE LOADBLOCK: 500 LBS

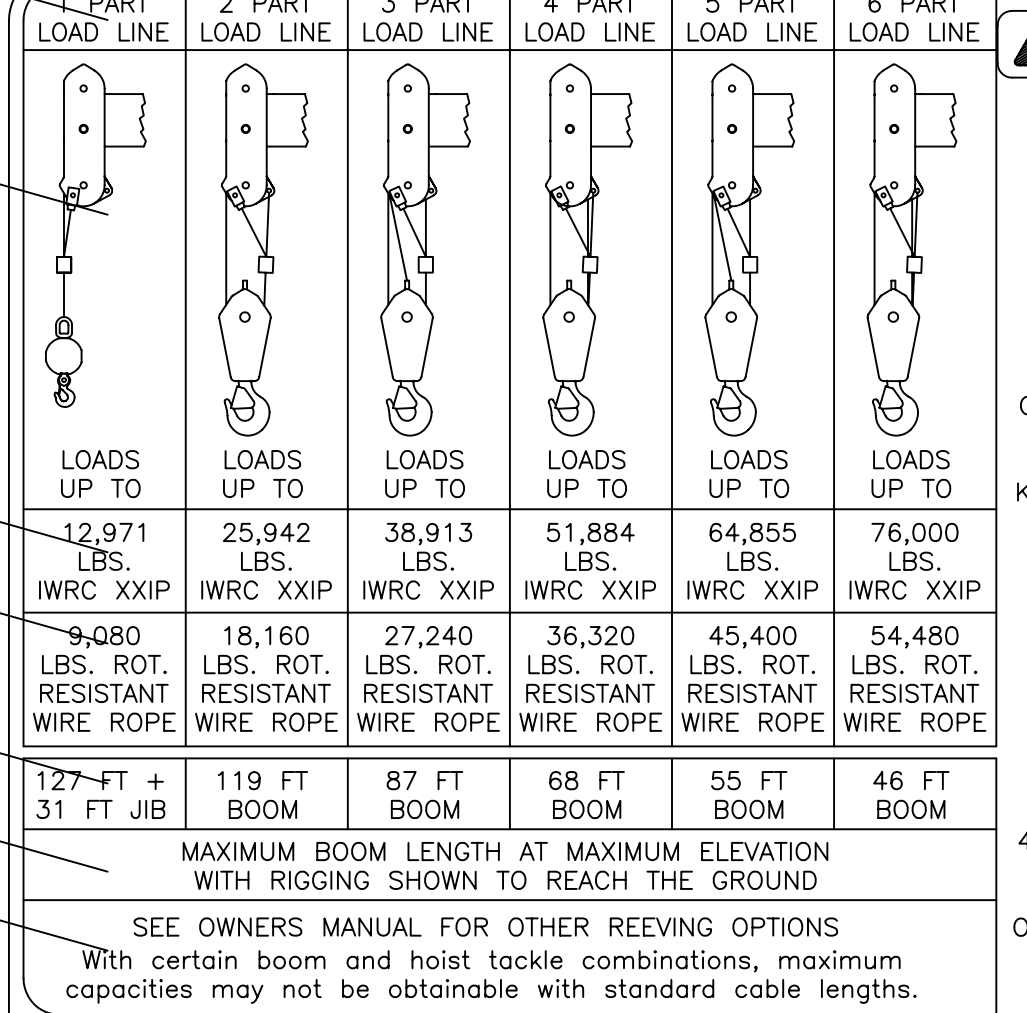
3-SHEAVE LOADBLOCK: 600 LBS

JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS

LOADED BOOM ANGLE	65°	70°	75°	80°
1 STAGE 31 FT JIB	450	1700	3400	3900

* DO NOT OPERATE JIB BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 6.

970041779 B (SHEET 2)



CAUTION

OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

USE ONLY 5/8" DIAMETER IWRC OR ROTATION RESISTANT WIRE ROPE WITH 45,400 LBS. MIN. BREAKING STRENGTH ON THIS MACHINE.

DANGER

- The operator must read, understand and follow the instructions found in the owners manual before operating this crane.
- Positioning or operation of crane beyond areas shown on this chart is not intended nor approved except where specified in owners manual.
- Loaded boom angles at specified boom lengths give only an approximation of the operating radius. The boom angle before loading should be greater to account for deflections. Do not exceed the operating radius for rated loads.
- When listed boom lengths or radii, always use the smallest of the values shown. Capacities for the 31-ft boom length must only be lifted with boom fully retracted.
- Do not attempt to tip the machine to determine allowable loads.
- When jib is erected boom must be fully retracted before lowering below minimum boom angles. Retracted boom with jib has no lifting capacity below a 50° angle with full span outriggers and below a 65° angle with mid span outriggers.
- Use rating of next lower boom angle for boom angles not shown on jib loading chart.
- Do not lift off the main boom tip while the jib is erected. Do not travel with crane boom extended or jib erected.
- Do not lower boom into this area. Instability may occur. Hydraulic pressure may not allow raising the boom without retracting boom first.
- Crane load ratings on outriggers are based on freely suspended loads with the machine leveled and standing on firm uniform supporting surface. Do not move a load horizontally on the ground in any direction.
- Actual working capacities depend on supporting surface, wind and other factors affecting stability such as hazardous surroundings, experience of personnel, and proper handling. All these factors must be taken into account by the operator.
- The maximum in service wind speed is 20 mph. It is recommended when wind velocity is between 20 mph and 30 mph rated loads and boom lengths shall be appropriately reduced and/or other measures shall be taken to ensure stability and load control. When wind speed exceeds 30 mph main boom should be retracted and stowed.
- For duty cycle operations (e.g., clam shell, concrete bucket work) weight of load must not exceed 80% of rated lifting capacities.
- Multi-crane lift operations must be carefully planned well in advance and should only be performed by skilled personnel experienced in such procedures.
- When operating the crane in the "Mid Span" mode, the outrigger beam pins must be properly engaged.
- The maximum load which may be telescoped is limited by hydraulic pressure, boom angle and boom lubrication. It is allowable to attempt to telescope any load within the limits of the load rating chart.
- Never handle personnel with this machine unless the requirements of applicable national, state, and local regulations and safety codes are met.
- Do not lift loads when boom is fully lowered. The LMAP senses pressure and will not provide warnings or lockout when the boom cylinder is fully retracted.

THIS MACHINE COMPLIES WITH ASME B30.5 AND OSHA REGULATIONS 1910.180 AND 1926.550 WHERE APPLICABLE AT DATE OF MANUFACTURE

REMOVAL OF THIS PLACARD IS A VIOLATION OF THE LAW

970041779 B (SHEET 3)

NOTES:

- BLACK COLOR LINEWORK AND LETTERS ON WHITE BACKGROUND EXCEPT WHERE NOTED.
- "DANGER" AND EXCLAMATION MARK TO BE WHITE COLOR ON A RED COLOR BACKGROUND AS INDICATED BY BORDER OUTLINE ON DRAWING.
- "CAUTION" AND EXCLAMATION MARK TO BE YELLOW COLOR ON A BLACK BACKGROUND AS INDICATED BY BORDER OUTLINE ON DRAWING.
- PART TO BE PRODUCED IN ACCORDANCE WITH ALTEC STANDARD STS-0002 (TYPE 2A) LEXAN LAMINANT FILM.
- ALL TEXT TO BE SOLID FILL.
- THE PLACARD SHOULD BE SPLIT INTO (3) INDIVIDUAL PARTS PER DIMENSIONS SHOWN.

7.53

6.75

8.15

BLACK COLOR TEXT WITH YELLOW BACK-ROUND IN THIS BOX

BLACK COLOR TEXT WITH YELLOW BACK-ROUND IN THIS BOX

SEE NOTE 2 FOR COLORING

SEE NOTE 3 FOR COLORING

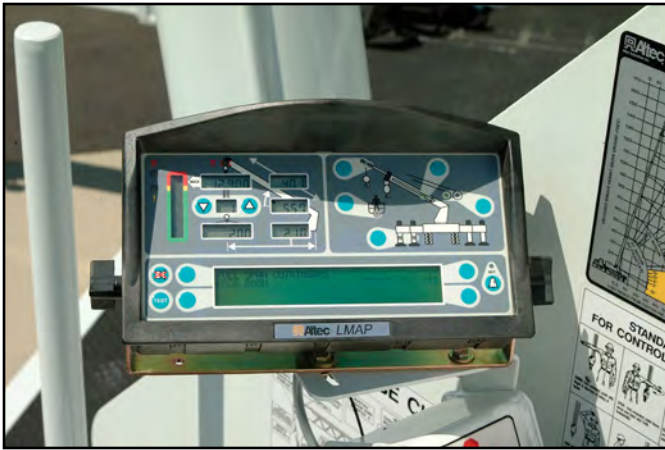
BLACK COLOR TEXT ON YELLOW BACKGROUND

ALTEC Industries, Inc. 2105 S. Riverside Road St. Joseph, MO 64507-9799

ITEM	QTY	PART NUMBER	DESCRIPTION
DRAWN	DLENG	08-05-05	UNLESS OTHERWISE NOTED, TOLERANCES ARE: FRACTIONS ± 1/16 ANGLES ± 1/8° SURFACES ± .005 UNLESS OTHERWISE NOTED. DIMENSIONS ARE RELATED TO DATUM A (PRIMARY) DATUM B (SECONDARY) DATUM C (TERTIARY)
CREATED	DLENG		
APPROVED	DLENG		

DO NOT SCALE THIS PRINT. REMOVE ALL BURRS & SHARP EDGES. ALL DIMENSIONS ARE IN CAD SOFTWARE: AutoCAD R13/R14

REV	NUMBER	SCALE	WEIGHT	SIZE
B	970041779	4	.05#	FULL



Altec LMAP System

RECOMMENDED FEATURES

- Wheel Chocks
- Fall Protection System (with Platform)
- Radio Remote Control (with Platform)

OPTIONS

- 1-Piece 31 ft (9.4 m) Jib
- 2-Man Steel Platform
- Climate-Controlled Enclosed Cab
- Load Blocks for Multiple Parts of Line
- Hydraulic Tool Circuit at Tail Shelf
- Pintle Hitch
- Hot Shift Power Take-Off
- Utility Tool Boxes
- Rotation Resistant Wire Rope

STANDARD SAFETY FEATURES

- Altec LMAP (Load Moment & Area Protection) System
 - Rated Capacity Limitor
 - Displays Boom Length, Angle, Load on Hook, Percent of Rated Capacity
 - Electronic Working Area Definition
 - Operator Audible Alarm Set-Points for Boom Angle, Length and Rotational Position
- Outrigger Boom Interlock System
- Outrigger Motion Alarm
- Back-Up Alarm
- Emergency Stop at Operator Controls
- Drum Rotation Indicator
- Anti-Two Block Device
- Front Bumper Outrigger
- Altec Opti-View® Control System

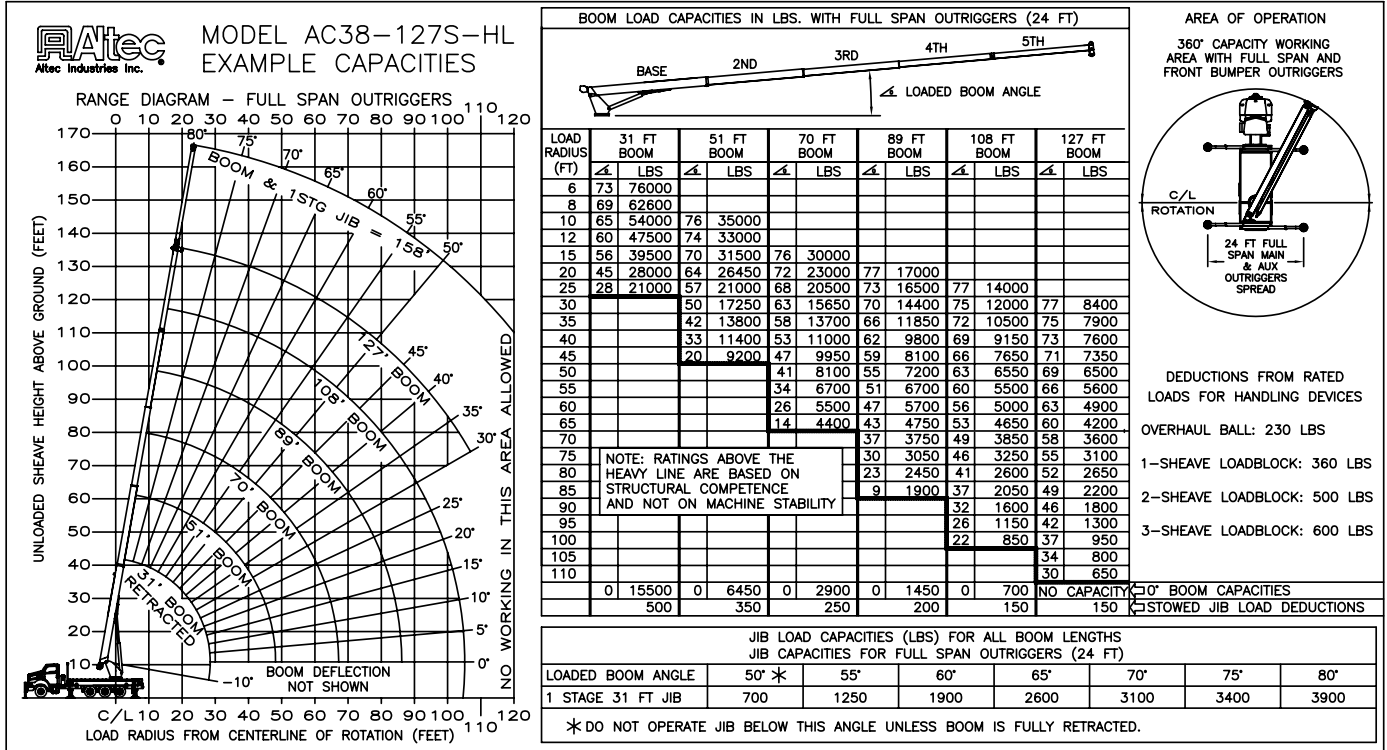
CRANE SPECIFICATIONS

- 76,000 lb (34,475 kg) Maximum Lifting Capacity
- 127 ft (38.7 m) 5-Section Non-Insulated Boom
- 137 ft (41.8 m) Maximum Sheave Height
- Stowed Travel Height of 12.9 ft (3.9 m)
- Vehicle Travel Length of 38 ft (11.6 m)
- Sequential Out-and-Down Outriggers
 - Full Span 24 ft (7.3 m)
 - Mid Span 15.75 ft (4.8 m)
- Hydraulic Pilot-Operated Control System
- Continuous Rotation
- Hydraulic Oil Cooling System
- Life Cycle Tested for Reliability

CHASSIS REQUIREMENTS

	Rear Tri-Drive	
Gross Vehicle Weight Rating	70,000 lb	(31,7507 kg)
Front Axle Weight Rating	20,000 lb	(9070 kg)
Rear Axle Combination Rating	54,000 lb	(24,494 kg)
Cab-to-Axle	160 in	(4064 mm)
Wheel Base	251 in	(6375 mm)

Altec AC38-127S-HL Capacities



<p>OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.</p> <p>KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.</p> <p>USE ONLY 5/8" DIAMETER IWRC OR ROTATION RESISTANT WIRE ROPE WITH 45,400 LBS. MIN. BREAKING STRENGTH ON THIS MACHINE.</p>	1 PART LOAD LINE	2 PART LOAD LINE	3 PART LOAD LINE	4 PART LOAD LINE	5 PART LOAD LINE	6 PART LOAD LINE
	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO
IWRC XXIP WIRE ROPE	12,971 LBS.	25,942 LBS.	38,913 LBS.	51,884 LBS.	64,855 LBS.	76,000 LBS.
ROTATION RESISTANT WIRE ROPE	9,080 LBS.	18,160 LBS.	27,240 LBS.	36,320 LBS.	45,400 LBS.	54,480 LBS.
MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND	127 FT BOOM	119 FT BOOM	87 FT BOOM	68 FT BOOM	55 FT BOOM	46 FT BOOM

WINCH		LIFTS AND SPEEDS					
5/8" DIAMETER IWRC XXIP CABLE SUPPLIED	STANDARD PLANETARY WINCH HIGH SPEED	6170 LBS. 298 FT/MIN	12,340 LBS. 149 FT/MIN	18,510 LBS. 99 FT/MIN	24,680 LBS. 74 FT/MIN	30,850 LBS. 59 FT/MIN	37,020 LBS. 49 FT/MIN
	STANDARD PLANETARY WINCH LOW SPEED	12340 LBS. 149 FT/MIN	24,680 LBS. 74 FT/MIN	37,020 LBS. 49 FT/MIN	49,360 LBS. 37 FT/MIN	61,700 LBS. 29 FT/MIN	74,040 LBS. 24 FT/MIN

ALL WINCH PULLS AND SPEEDS IN THIS CHART ARE SHOWN ON THE 3RD LAYER. WINCH LINE PULLS WOULD INCREASE ON THE FIRST AND SECOND LAYERS. WINCH LINE SPEED WOULD DECREASE ON THE FIRST AND SECOND LAYERS. WINCH LINE PULLS MAY BE LIMITED BY THE WINCH CAPACITY OF 10,439 LBS FULL DRUM OR ANSI CABLE SAFETY LIMITS SHOWN IN CHART FOR IWRC XXIP AND ROTATION RESISTANT WIRE ROPES.

- CAUTION:**
- Load ratings shown are maximum allowable loads with the crane mounted on an Altec-approved chassis.
 - Loaded boom angles at specified boom lengths give only an approximation of the operating radius. The boom angle before loading should be greater to account for deflections. Do not exceed the operating radius for rated loads.
 - When between listed boom lengths for radii, always use the smallest of values shown. Capacities for the 31 ft boom length must only be lifted with boom fully retracted.
 - Load ratings are based on freely suspended loads with the crane properly set-up on outriggers, with the machine leveled and standing on firm uniform supporting surface.
 - Actual working capacities depend on supporting surfaces, wind and other factors affecting stability such as hazardous surroundings, experience of personnel, and proper handling.
 - Weights of load block, stowed jib, or other accessories must be deducted from the rated capacities shown.



For Service: 1-877-GO-ALTEC
For Sales: 1-540-992-5300

Altec Cranes are supported by service centers and over 115 mobile service technicians positioned across North America, seven days a week, 24 hours a day.

United States:

Alabama Service Center
1730 Vanderbilt Road
Birmingham, AL 35234

Arizona Service Center
2420 South 16th Avenue
Phoenix, AZ 85007

California Service Center (Northern)
325 Industrial Way
Dixon, CA 95620

California Service Center (Southern)
2882 Pomona Boulevard
Pomona, CA 91766

Colorado Service Center
641 Telluride Street
Aurora, CO 80011

Florida Service Center
2570 Old Okeechobee Road
Palm Beach, FL 33409

Georgia Service Center
287 First Street
Forest Park, GA 30297

Indiana Service Center
5201 West 84th Street
Indianapolis, IN 46268

Kentucky Service Center
200 Altec Drive
Elizabethtown, KY 42701

Maryland Service Center
1434 Hughes Ford Road
Frederick, MD 21701

Massachusetts Service Center
28 Wales Street
Millbury, MA 01527

Missouri Service Center
2106 S. Riverside Road
St. Joseph, MO 64507

North Carolina Service Center
1550 Aerial Avenue
Creedmoor, NC 27522

Ohio Service Center
1236 Township Road 1175
Ashland, OH 44805

Oregon Service Center
13817 NE Sandy Boulevard
Portland, OR 97230

Pennsylvania Service Center
250 Laird Street
Plains, PA 18705

Texas Service Center
1001 Solon Road
Waxahachie, TX 75156

Virginia Service Center
325 South Center Drive
Daleville, VA 24083

Canada:

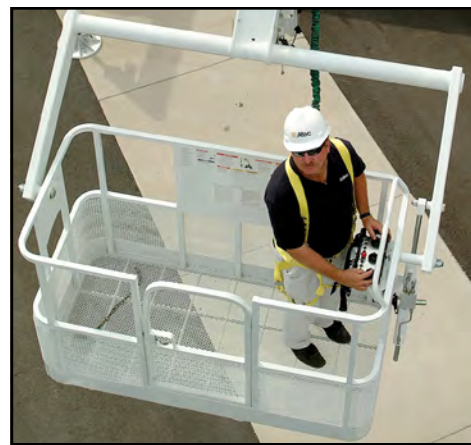
British Columbia Service Center
12352 84th Avenue
Surrey, BC V3W 0J5

Manitoba Service Center
57 Durand Road
Winnipeg, Manitoba R2J 3T1

Ontario Service Center
831 Nipissing Road
Milton, Ontario L9T 4Z4



Vehicle Travel Height of 12.9 ft (3.9 m)



Optional 2-Man Platform

Altec Industries, Inc.
325 South Center Drive
Daleville, VA 24083



Manufacturing and Service Facilities Located
Throughout the United States and Canada
www.altec.com