



AC40 SERIES



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 **Altec**
TELESCOPIC CRANE



AC40 SERIES

STANDARD FEATURES

- Altec LMAP (Load Moment & Area Protection) System
 - » Rated Capacity Limiter
 - » Displays: Boom Length, Boom Angle, Load on Hook, Percent of Rated Capacity
 - » Operator Defined Audible Alarm Set-Points for Boom Angle, Length and Rotational Position
- Dual Entry 20° Tilt Cab with Heater and A/C
- Outrigger Boom Interlock System
- Outrigger Motion Alarm
- Winch Drum Rotation Indicator
- Anti-Two Block Device
- Rotation Resistant Wire Rope
- Winch Control at Load Hook Stow Point
- Hydraulic Oil Cooling System
- Front Bumper Outrigger

OPTIONS

- ASME B30.23 Personnel Lifting Package
 - » 2-Man, Steel Platform
 - Fixed, 362.8 kg (800 lb) Capacity
 - Rotating, 544.3 kg (1,200 lb) Capacity
 - » Radio Remote Controls
 - » Fall Protection
- ASME B30.23 Compliant Test Weight Package
- 1-Piece 9.4 m (31 ft) Jib
- 2-Piece 16.8 m (55 ft) Jib, 9.4 m (31 ft) Retracted
- Auxiliary Hoist
- Glide Swing
- Emergency 12V DC Lowering System

CRANE SPECIFICATIONS

AC40-103S

Maximum Lift Capacity	36,287 kg (80,000 lb)
Boom Length (4-Section)	31.4 m (103 ft)
Powered Sheave Height	34.4 m (112 ft)
Maximum Sheave Height	51.2 m (168 ft)
Stowed Travel Height	3.9 m (12.9 ft)
Vehicle Travel Length	11.6 m (38 ft)
3 Position Out-and-Down Outriggers	
Full Span	7.3 m (24 ft)
Mid Span	4.8 m (15.8 ft)
Short Span	2.5 m (8.17 ft)
Control System	Pilot-Operated, Hydraulic
ASME B30.5 Compliant	

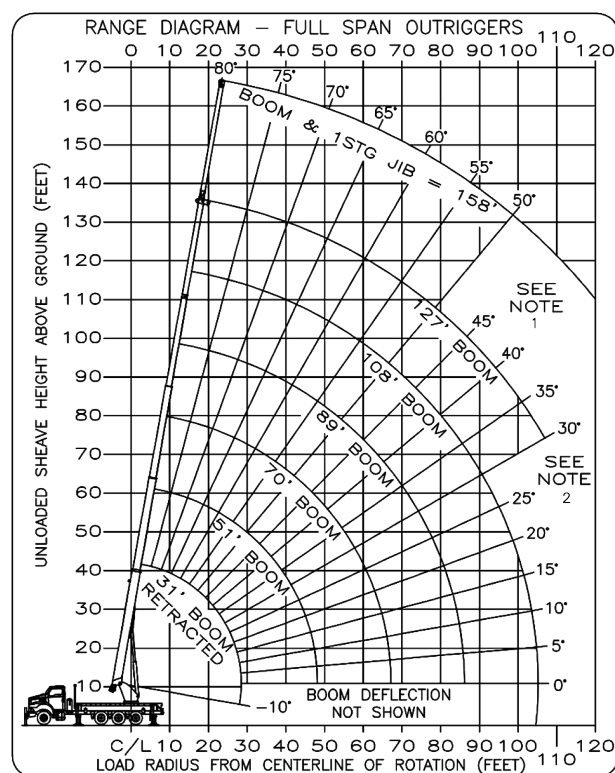
AC40-127S

Maximum Lift Capacity	36,287 kg (80,000 lb)
Boom Length (5-Section)	38.7 m (127 ft)
Powered Sheave Height	41.8 m (137 ft)
Maximum Sheave Height	58.5 m (192 ft)
Stowed Travel Height	3.9 m (12.9 ft)
Vehicle Travel Length	11.6 m (38 ft)
3 Position Out-and-Down Outriggers	
Full Span	7.3 m (24 ft)
Mid Span	4.8 m (15.8 ft)
Short Span	2.5 m (8.17 ft)
Control System	Pilot-Operated, Hydraulic
ASME B30.5 Compliant	





LOAD CHART - FULL SPAN OUTRIGGERS



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
6	73 80000					
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 3850	58 3600
75				30 3050	46 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	SEE NOTE 2
	500	350	250	200	150	150

NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY.

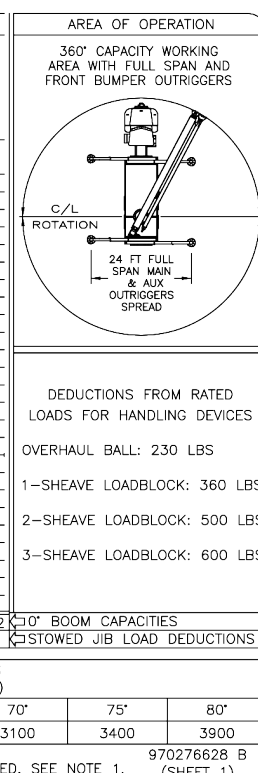
JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS

JIB CAPACITIES FOR FULL SPAN OUTRIGGERS (24 FT)

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 1.

970276628 B (SHEET 1)



Note 1: When jib is erected, boom must be fully retracted before lowering below minimum boom with jib angles. Retracted boom with jib has no lifting capacity below a 50 degree angle with full span outriggers and below a 65 degree angle not shown on jib load rating chart.

Note 2: Do not lower boom into this area, instability may occur. Hydraulic pressure may not allow raising the boom without retracting boom first.

Charts published herein are intended to be a guide only and should not be construed to warrant application for lifting purposes. Consult supplied operation manual for further details.

LOAD MOMENT AND AREA PROTECTION

The ability to provide vital data to operators, continuously monitor crane operation and send alerts of potential overloads, while maximizing crane work capacity, is invaluable. The LMAP system offers customers and operators easy operation, fast calibration and reliable technology.



DUAL ENTRY CAB

Altec's dual entry cab provides safe access/egress throughout the entire range of rotation. The 20 degree tilt feature maximizes the viewing spectrum on the job site.



LOWER WINCH CONTROL

The lower winch control helps prevent boom damage by reducing the flow pressure to the winch during stowage. The operator can control the load block or ball while winching up or down during set up and stowage without the need to access the upper control station. Reducing slip/trip/fall hazard exposure.





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