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

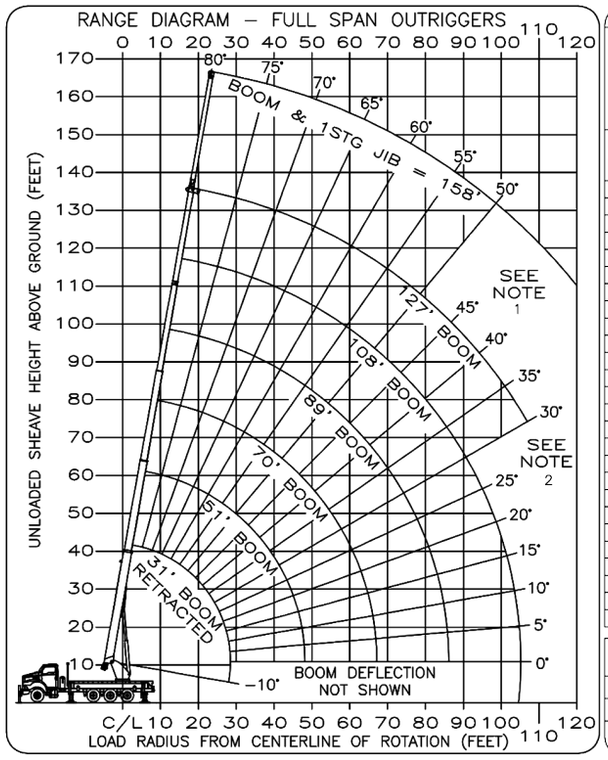
AC40-103S

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	

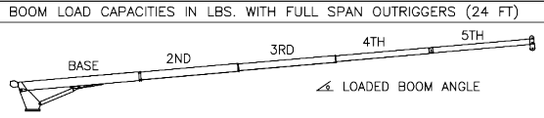
AC40-127S

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



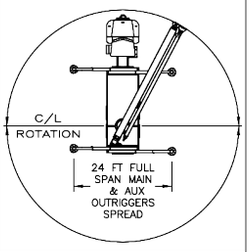
BOOM LOAD CAPACITIES IN LBS. WITH FULL SPAN OUTRIGGERS (24 FT)



LOAD RADIUS (FT)	31 FT BOOM ∠	31 FT BOOM LBS	51 FT BOOM ∠	51 FT BOOM LBS	70 FT BOOM ∠	70 FT BOOM LBS	89 FT BOOM ∠	89 FT BOOM LBS	108 FT BOOM ∠	108 FT BOOM LBS	127 FT BOOM ∠	127 FT BOOM LBS
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	NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY						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	0° BOOM CAPACITIES
		500		350		250		200		150	150	STOWED JIB LOAD DEDUCTIONS

AREA OF OPERATION

360° CAPACITY WORKING AREA WITH FULL SPAN AND FRONT BUMPER OUTRIGGERS



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
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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Material and specifications are subject to change without notice. Featured units in photos may include optional features. Please contact an Altec representative for all available options. 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.