

AC30-101B



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 **Altec**
TELESCOPIC CRANE

AC30-101B

STANDARD FEATURES

- Altec LMAP (Load Moment & Area Protection) System
 - » Slew-based Zone Rating Limits Capacity Based on Outrigger Positions
 - » 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
- Outrigger Boom Interlock System
- Outrigger Motion Alarm
- Anti-Two Block Device
- Winch Control at Load Hook Stow Point

GENERAL SPECIFICATIONS

Boom Length (4-Section)	101 ft (30.8 m)
Stowed Travel Height 42 inch frame	13.4 ft (4.1 m)
Vehicle Travel Length	40.8 ft (12.43 m)
3 Position Out-and-Down Outriggers	
Main Outrigger Span	24 ft (7.3 m)
Auxiliary Outrigger Span	17.9 ft (5.4 m)

- 15,000 lb 2-Speed High-Performance Piston Winch
- Rotation Resistant Wire Rope
- Extra-wide Walk Through Control Stations

OPTIONS

- Radio Remotes
- Continuous Rotation
- Extended Outrigger Jacks
- 26 - 44 ft Telescopic Jib
- 2-Man Personnel Platform

CRANE SPECIFICATIONS

Maximum Lift Capacity	60,000 lb (27,215 kg)
Powered Sheave Height	109 ft (33.2 m)
Two Speed Winch Capacity	15,000 lb (6,803 kg)
ASME B30.5 Compliant	

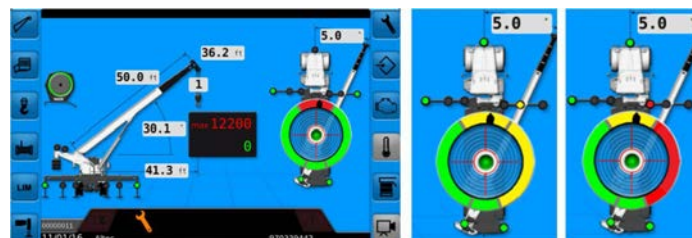
Recommended safety equipment, available through Altec Supply, include wheel chocks and outrigger pads.

UNIT		RECOMMENDED CHASSIS DIM				RECOMMENDED CHASSIS SPECIFICATIONS				
Model	Rear Axle	CA (in)	WB (in)	AF (in)	AS (in)	Front Axle Rating (lb)	Rear Axle Rating (lb)	GVWR (lb)	Frame Sec Modulus (in ³)	Frame RBM (in-lb)
AC30-101B	Tandem	202	274	133	54	20,000	40,000	60,000	consult factory	
AC30-101B	Tandem w/ Pusher	210	296	128	60	20,000	48,000	68,000	consult factory	

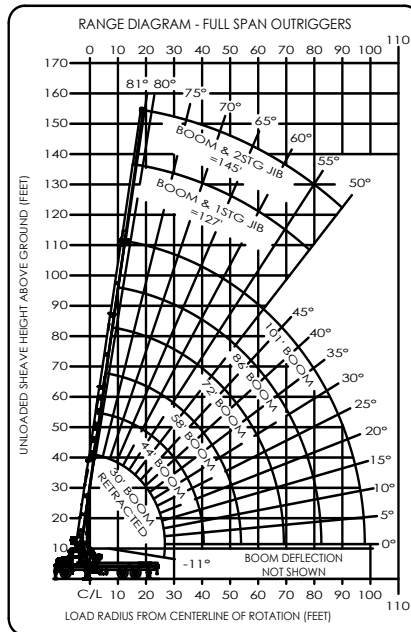
LOAD MOMENT & AREA PROTECTION WITH ZONE RATING

The convenient LMAP menu navigation with an intuitive user interface displays load on hook, rated capacity percentage, boom length and angle, load radius, and operator-defined protection with audible alarms. While this feature is unique to Altec, the system's hardware consists of common "off-the-shelf" components that were critically selected for their performance and serviceability.

To further enhance job site safety, the system also uses the position of the outriggers to determine the appropriate load capacity for each slewing area of the machine. For instance, if one side of the machine has the outriggers at full span, while the other side is at short span, the system will automatically allow for use of the full span load chart on one side, while limiting to the short span chart on the other side. If the operator tries to slew into a zone with a load above the rated capacity for that zone, the system will engage a smooth stop to the rotation system to prevent entering that zone.



LOAD CHART - FULL SPAN OUTRIGGERS



DEPLOYED JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS
JIB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS

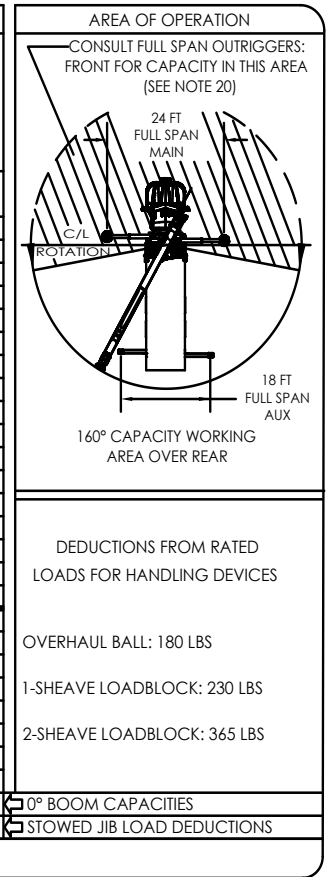
LOADED BOOM ANGLE	*50°	55°	60°	65°	70°	75°	80°
RETRACTED 26 FT JIB	700	1400	1900	2500	3200	4400	4800
EXTENDED 44 FT JIB	500	900	1300	1700	2200	3000	3000

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

BOOM LOAD CAPACITIES IN LBS. OVER REAR 160° WITH FULL SPAN OUTRIGGERS

LOAD RADIUS (FT)	30 FT BOOM	44 FT BOOM	58 FT BOOM	72 FT BOOM	86 FT BOOM	101 FT BOOM
5	76 60000					
8	70 47500	76 27000				
10	65 40800	74 27000	78 23600			
12	61 36000	71 27000	76 23600	79 22000		
14	56 30500	68 27000	74 23600	77 22000		
16	51 26000	65 25000	72 23600	75 22000	78 14500	
18	46 22500	62 24000	69 23600	74 22000	76 14500	
20	40 20000	59 21200	67 21300	72 20400	75 14500	77 10000
25	18 15000	51 16100	62 16300	68 16400	71 14500	74 10000
30		42 12800	56 13000	63 13100	68 13200	71 10000
35		31 10400	50 10600	59 10700	64 10800	68 9100
40		12 8500	43 8800	54 8900	61 9000	65 8000
45			35 7300	49 7500	57 7600	62 7100
50			24 6200	43 6400	52 6400	59 6400
55				37 5400	48 5500	55 5600
60				29 4600	43 4700	52 4800
65				19 3900	38 4000	48 4100
70					32 3400	44 3400
75					25 2800	40 3000
80					15 2400	35 2600
85						30 2200
90						23 1800
95						14 1500
100						
0	12800	7200	4600	3100	2000	1000
	850	600	450	350	300	250

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



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.



BEST IN CLASS LIFTING CAPACITY

With Altec's new partially-formed boom technology, the AC30-101B boasts a best in class lifting capacity. This new design is able to save more than 1,000 pounds of boom weight when compared to a typical four plate boom design. This equates to over 20% more capacity in the working range versus the competition.



ERGONOMIC CONTROLS AND SAFE ACCESS TO CARGO

What good is the best in class flatbed if you can't safely access your cargo? The AC30-101B provides the safest access to your flatbed through our widened Dual Walk-Through Control Stations and swing-away LMAP mount. The integrated foot pedal throttle, shortened control levers and wrist rests help to keep your operator comfortable during a long day on their feet.



A CRANE FOR THE OPEN ROAD AND TIGHT JOBSITES

With a focus on drivability and maneuverability, the AC30-101B is just as comfortable on the highway as it is on the jobsite. The AC30-101B has a center of gravity over 10 inches lower than the competition, making any daunting on-ramp or off-ramp a breeze. On the jobsite, a tip to tail length under 41 feet as well as an available 274 inch wheelbase allows this crane to maneuver into almost any tight setup.



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