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 **Altec**
HYDRAULIC
TELESCOPIC CRANE

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
- Outrigger Boom Interlock System
- Outrigger Motion Alarm
- Back-Up Alarm
- Anti-Two Block Device
- Emergency Stop at Operator Controls
- Altec Opti-View® Riding Sear Control Station
- Front Bumper Outrigger
- Winch Drum Rotation Indicator

OPTIONS

- 2-Piece 44 ft (13.4 m) Jib, 26 ft (7.9 m) Retracted
- 2-Man Steel Platform
- Climate-Controlled Enclosed Cab
- Load Blocks for Multiple Parts of Line
- Hydraulic Tool Circuit at Tail Shelf
- Pintle Hitch
- Winch Control at Load Hook Stow Point
- Utility Tool Boxes
- Rotation Resistant Wire Rope
- Glide Swing

Recommended safety equipment, available through Altec Supply, include wheel chocks, fall protection system and radio remote control..

GENERAL SPECIFICATIONS

Boom Length (4-Section)	103 ft (31.4 m)
Stowed Travel Height	12.9 ft (3.9 m)
Vehicle Travel Length	38 ft (11.6 m)
3 Position Out-and-Down Outriggers	
Full Span	24 ft (7.3 m)
Mid Span	15.75 ft (4.8 m)
Short Span	8.17 ft (2.5 m)
Control System	Pilot-Operated, Hydraulic

CRANE SPECIFICATIONS

Maximum Lift Capacity	60,000 lb (27,215 kg)
Maximum Sheave Height with Telescopic Jib	113 ft (34.4 m)
ASME B30.5 Compliant	



UNIT	RECOMMENDED CHASSIS DIM		MINIMUM RECOMMENDED CHASSIS SPECIFICATIONS		
Model	CA (in)	WB (in)	Front Axle Rating (lb)	Rear Axle Rating (lb)	GVWR (lb)
AC30-103S	192 in (4877 mm)	262 in (6655 mm)	20,000 lb (9,072 kg)	40,000 lb (18,145 kg)	60,000 lb (27,215 kg)

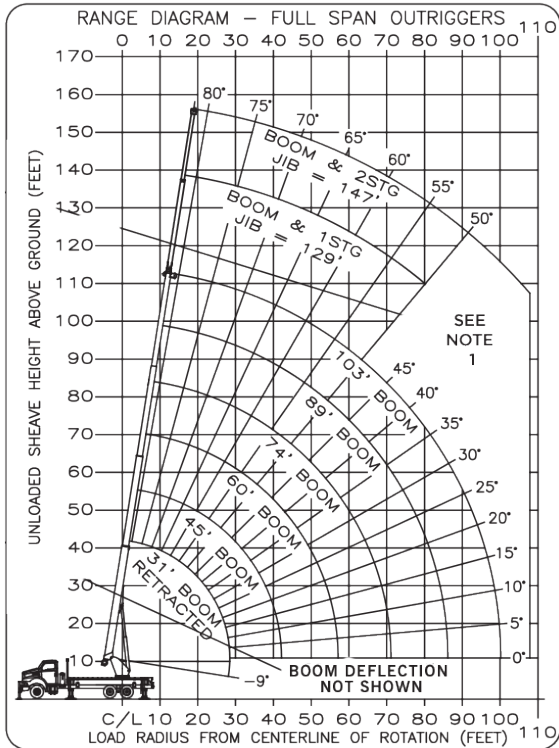


LOAD MOMENT AND AREA PROTECTION

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.



LOAD CHART - FULL SPAN OUTRIGGERS



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

LOAD RADIUS (FT)	31 FT BOOM		45 FT BOOM		60 FT BOOM		74 FT BOOM		89 FT BOOM		103 FT BOOM	
	Δ	LBS	Δ	LBS	Δ	LBS	Δ	LBS	Δ	LBS	Δ	LBS
5	77	80000										
8	71	45000	77	28300								
10	67	40000	75	28300								
12	63	34500	72	28200	77	27500						
14	59	31000	69	28000	75	26800	79	24000				
16	54	27700	67	27500	73	25200	77	22000				
18	49	25200	64	25200	71	23700	75	20400	78	17200		
20	44	22400	61	22400	69	21300	74	18000	77	15800		
25	27	15000	53	16800	64	17000	70	15700	74	13100	77	12150
30			45	12700	58	13050	65	13000	70	11100	74	10550
35			34	10000	52	10250	61	10300	67	9800	71	9150
40			19	7800	46	8250	56	8500	63	8500	68	7850
45					39	6800	51	6950	59	7000	65	6750
50					30	5500	46	5800	56	5800	61	5750
55					17	4500	40	4975	51	5200	58	4700
60							33	4000	47	4300	55	3900
65							25	3550	42	3600	51	3300
70							11	2700	37	3000	47	2725
75									31	2300	43	2250
80									23	1700	38	1820
85									11	1300	33	1325
90											27	1100
95											20	800
	0	8500	0	6500	0	3700	0	2500	0	1200	0	500
	650		500		350		300		250		200	
	900		650		500		400		350		300	

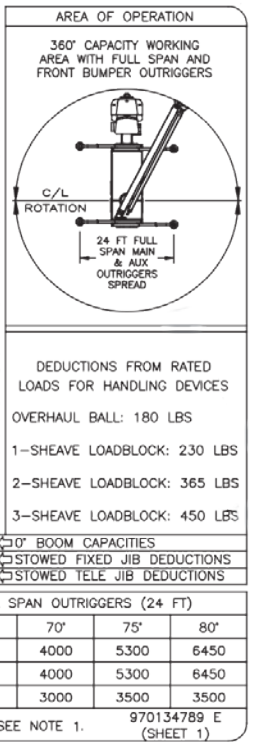
NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS. JIB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS (24 FT)

LOADED BOOM ANGLE		50° *	55°	60°	65°	70°	75°	80°
FIXED 26 FT JIB		800	1400	2300	3300	4000	5300	6450
TELESCOPING JIB	RETRACTED 26 FT JIB	800	1400	2300	3300	4000	5300	6450
	EXTENDED 44 FT JIB	700	1050	1700	2300	3000	3500	3500

* DO NOT OPERATE JIBS BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED. SEE NOTE 1.

970134789 E (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.



OUTRIGGER CONTROLS AT TAILSHELF

Outrigger controls at the tail shelf allow the operator access to the controls from either side of the bed for best visibility of the contact surface, which reduces crushing hazards while deploying the outriggers.

ALTEC OPTI-VIEW® RIDING SEAT

As standard equipment on the AC30-103S, Altec's Opti-View® riding seat control station maximizes the operator's visibility of the worksite. The operator is provided with safe and confident access to the controls all while maintaining operator comfort.



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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