



FOR NEW EQUIPMENT SALES, CALL
800.958.2555
 TO SPEAK WITH AN ALTEC REPRESENTATIVE
 or visit us online at altec.com

Altec
 TELESCOPIC CRANE

AC45E-127S

STANDARD FEATURES

- Altec LMAP (Load Moment & Area Protection) System with Smart-Zone Rating Functionality for Safe Asymmetric Outrigger Setups
 - » Rated Capacity Limiter
 - » Displays: Boom Length, Boom Angle, Load on Hook, Percent of Rated Capacity
 - » Electronic Working Area Definition
 - » 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
- Winch and Boom Telescope Control at Hook Stow Point
- Hydraulic Oil Cooling System
- 15,000 lb 2-Speed High-Performance Piston Winch
- Rotation Resistant Wire Rope
- Advanced E-Series Electric Over Hydraulic Unit Controls
- Altec Insights, Lifetime Access
- Glide Swing

OPTIONS

- ANSI A92.2 Compliant Aerial Operation Package
 - » 2-Man, Steel Platform Fixed, 800 lb (362.8 kg) Capacity, or Rotating, 1,200 lb (544.3 kg) Capacity
 - » Radio Remote Controls
 - » Lanyard Interlock System with Audible Alarm and Function Kickout
- IJ26 Insulating Personnel Jib, 26 ft 3 in (8 m) Fixed
- Platform Hydraulic Tool Circuit & Intensifier Package
- 1-Piece 31 ft (9.4 m) Jib
- 2-Piece 55 ft (16.7 m) Offsetable Jib, 31 ft (9.4 m) Retracted
 - » 0, 15, and 30 degree offset positions
 - » Integrated Jib-tip Wheel for Offsetting Jib
 - » Quick Pinning Offset Installation System
- 15,000 lb 2-Speed Auxiliary Hoist
- Hydraulic Tool Circuit at Tail Shelf
- Altec Insights, 12-months Access

Recommended equipment, available through Altec Supply, include wheel chocks, a fall protection system (with Platform) and a radio remote control (with Platform).

CRANE SPECIFICATIONS

Maximum Lift Capacity	90,000 lb (40,823 kg)
Boom Length (5-Section)	127 ft (38.7 m)
Powered Sheave Height	135 ft (41.2 m)
Maximum Sheave Height with 2-Stage Jib	189 ft (57.6 m)
Stowed Travel Height	13.25 ft (4.04 m)
Vehicle Travel Length	39.9 ft (12.2 m)
Two Speed Winch Capacity	15,000 lb (6,803 kg)

3 Position Out-and-Down Outriggers

Full Span	24 ft (7.3 m)
Mid Span	17.9 ft (5.4 m)
Short Span	8 ft (2.4 m)
Control System	Electric Over Hydraulic

ASME B30.5 Compliant

LOAD MOMENT AND AREA PROTECTION

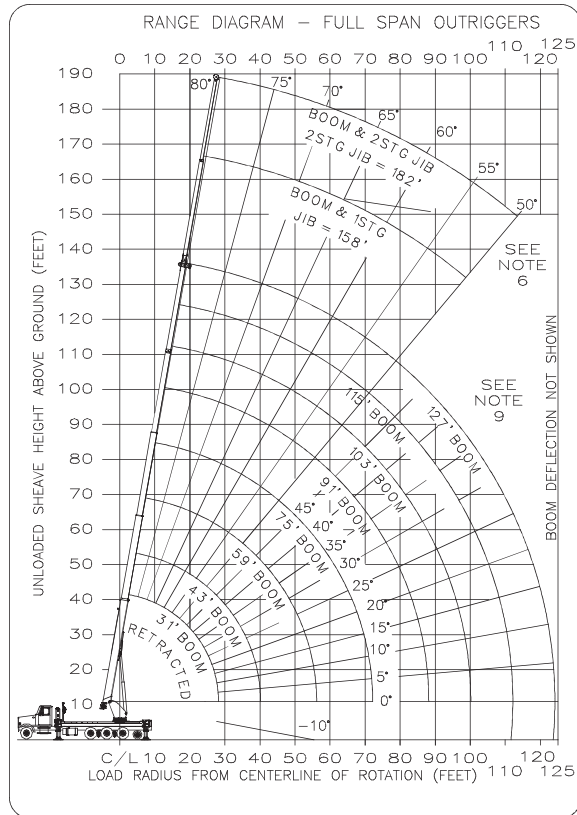


The convenient menu navigation with an intuitive user interface displays load on hook, rated capacity percentage, boom length and angle, load radius, and operator-defined protection with audible alarms. Additionally, the AC45E comes standard with Smart-Zone Rating functionality, which uses the outrigger positions to determine where the machine has capacity for the load on hook. This provides an extra layer of safety to help prevent instability during asymmetric outrigger setups. While the display and user interface are unique to Altec, the system's hardware consists of common "off-the-shelf" components that were critically selected for their performance and serviceability.

UNIT		RECOMMENDED CHASSIS DIM				MINIMUM 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)
AC45E-127S	Tandem w/ Pusher & Tag	212	299	140	54	20,000	52,000	72,000	consult factory	



LOAD CHART - FULL SPAN OUTRIGGERS



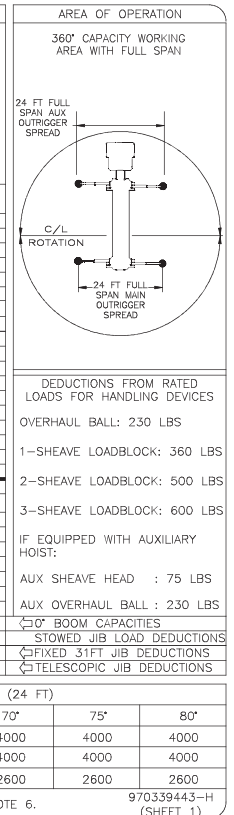
BOOM LOAD CAPACITIES IN LBS. WITH FULL SPAN OUTRIGGERS (24 FT)

The diagram shows a boom structure with five sections labeled BASE, 2ND, 3RD, 4TH, and 5TH from left to right. A vertical line is drawn from the base of the boom to the 3RD section, and the angle between the boom and this vertical line is labeled 'LOADED BOOM ANGLE'.

LOAD RADIUS (FT)	31 FT BOOM	43 FT BOOM	59 FT BOOM	75 FT BOOM	91 FT BOOM	103 FT BOOM	115 FT BOOM	127 FT BOOM
7	73 90000	78 36000						
8	71 82100	77 36200						
10	67 71100	74 36500	79 35800					
12	63 62700	71 38700	77 36100	80 35500				
15	57 50800	67 39700	74 38100	78 35700	80 22000			
20	44 36200	59 36900	69 37300	74 33200	78 20700	79 17100	80 12850	
25	28 27400	51 28100	63 28600	70 28800	74 22000	77 17100	78 12600	80 10000
30		41 22300	57 22800	66 23000	71 18000	74 16800	76 12500	77 10000
35		28 17700	51 18200	61 18400	68 15900	71 14500	74 12400	75 10000
40			44 14500	57 14800	64 14200	68 12700	71 11400	73 10000
45			36 11800	52 12200	60 12100	65 11200	68 10000	71 9050
50			27 9800	46 10100	57 10100	62 9900	65 8800	69 8100
55				41 8500	53 8500	58 8500	63 8000	66 7200
60				35 7200	48 7200	55 7200	60 7200	63 6400
65				27 6100	44 6100	51 6200	57 6200	61 5700
70				15 5100	39 5200	47 5300	53 5400	58 5100
75					33 4500	43 4500	50 4600	55 4450
80					26 3800	39 3850	46 3950	52 4000
85					17 3200	34 3300	43 3400	49 3400
90						28 2800	39 2850	46 2900
95						20 2350	34 2400	42 2450
100						5 1900	29 2000	39 2050
105							22 1600	34 1700
110							13 1250	30 1350
115								24 1050
120								17 750
0	22000	0 14000	0 8200	0 4700	0 2850	0 1900	0 1100	0 300
	500	415	300	280	250	210	190	150
	1000	770	560	420	350	315	280	250

JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS. JIB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS (24 FT)					
LOADED BOOM ANGLE		50°	55°	60°	65°
FIXED 31 FT JIB		1300	1800	2400	3400
TELESCOPING JIB	RETRACTED 31 FT JIB	1000	1700	2400	3400
	EXTENDED 55 FT JIB	700	1300	1800	2500

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



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.

E-SERIES CONTROLS

The E-series control system is a standard feature on the AC45E. Included is a redesigned swing system and state of the art CAN based hydraulic control system. This system ensures that motion starts and stops are extremely smooth with unparalleled meterability and swing control as well as best-in-class multifunction performance.



DUAL ENTRY CAB

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



LOWER WINCH AND BOOM TELE CONTROL

The AC45E includes winch control at the hook stowage point, which allows for one person to safely and easily stow the load block. Additionally, boom telescope control at the hook stowage point is also standard, allowing for the boom stow length to be easily adjusted before loading.



800-958-2555
sales@altec.com

Cranes_AC45E-127S_SBM_111225

33 Inverness Center Parkway
Birmingham, AL 35242
Fax 205.449.4774
www.altec.com

For more complete information on Altec products and services, visit us on the web at www.altec.com.

© 2025 Altec Inc
All Rights Reserved

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.

Altec® and the Altec logo are registered trademarks of Altec Inc in the United States and various other countries and may not be used without permission.

