

AC45-127S Hydraulic Telescopic Crane

- 45 Ton (40.8 t) Maximum Lifting Capacity
- 127 ft (38.7 m) 5-Section Boom
- 3 Position Out-and-Down Outriggers
- Front Entry Cab



Typical configurations comply with Federal Bridge Rules and road transport permits are not required.



The tilt cab feature improves visibility and reduces operator neck strain and associated fatigue.



LMI reel is mounted at boom heel and protected by a metal cover while the A2B cable is routed through the boom, which provides better reliability.



Altec AC45-127S

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
- Winch Drum Rotation Indicator
- Anti-Two Block Device
- Rotation Resistant Wire Rope
- Winch Control at Load Hook Stow Point
- Hydraulic Oil Cooling System
- Operator's Cab with Heater and Tilt Mechanism

winch specifications

1 PART LOAD LINE	2 PART LOAD LINE	3 PART LOAD LINE	4 PART LOAD LINE	5 PART LOAD LINE	6 PART LOAD LINE	CAUTION
						OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.
LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.
12,971 LBS. IWRC XXIP	25,942 LBS. IWRC XXIP	38,913 LBS. IWRC XXIP	51,884 LBS. IWRC XXIP	64,855 LBS. IWRC XXIP	77,828 LBS. IWRC XXIP	USE ONLY 5/8" DIAMETER IWRC WIRE ROPE WITH 45,400 LBS. MIN. BREAKING STRENGTH OR ROTATION RESISTANT WIRE ROPE WITH 47,600 LBS. MIN. BREAKING STRENGTH ON THIS MACHINE.
9,520 LBS. ROT. RESISTANT WIRE ROPE	19,040 LBS. ROT. RESISTANT WIRE ROPE	28,560 LBS. ROT. RESISTANT WIRE ROPE	38,080 LBS. ROT. RESISTANT WIRE ROPE	47,600 LBS. ROT. RESISTANT WIRE ROPE	57,120 LBS. ROT. RESISTANT WIRE ROPE	
127 FT. + 55 FT. JIB	119 FT. BOOM	87 FT. BOOM	68 FT. BOOM	55 FT. BOOM	46 FT. BOOM	
MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND						
SEE OWNERS MANUAL FOR OTHER REEVING OPTIONS With certain boom and hoist tackle combinations, maximum capacities may not be obtainable with standard cable lengths.						

options

- 1-Piece 31 ft (9.4 m) jib
- 2-Piece 55 ft (16.7 m) jib, 31 ft (9.4 m) Retracted
- 2-Man Steel Platform
- Hydraulic Tool Circuit at Tail Shelf
- Aerial Operation, ANSI A92.2

recommended features

- Wheel Chocks
- Outrigger Pads
- Fall Protection System (with platform)
- 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)
Maximum Sheave Height	135 ft/189 ft (41.2 m/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)

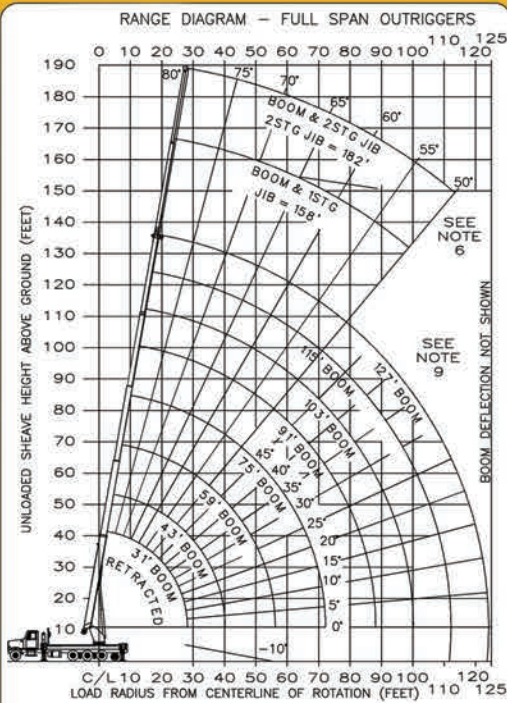
Hydraulic Pilot-Operated Control System

Altec Industries reserves the right to improve products and the right to change, amend or delete specifications at any time, without notice or obligation.

UNIT		RECOMMENDED CHASSIS DIM				MINIMUM RECOMMENDED CHASSIS SPECIFICATION				
Model	Rear Axle	CT (in)	WB (in)	AF (in)	AS (in)	Front Axle Rating (lbs)	Rear Axle Rating (lbs)	GVWR (lbs)	Frame Sec Modulus (in ³)	Frame RBM (in-lb)
AC45	Tri	181	268	165	55	20,000	66,000	86,000	consult factory	

load charts

MODEL: **AC45-127S**



FULL SPAN OUTRIGGERS

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

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 80000	78 36000						
8	71 82100	77 36200						
10	67 71100	74 36500	79 35800					
12	63 62700	71 38700	77 35100	80 35500				
15	57 50800	67 39700	74 38100	78 35700	80 22000			
20	44 36200	59 36900	69 37300	74 33200	78 22000	79 17100	80 12850	
25	28 27400	51 28100	63 28600	70 28800	74 20700	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 7250	60 7200	63 6400
65				27 6100	44 6100	51 6200	57 6200	61 5700
70				19 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

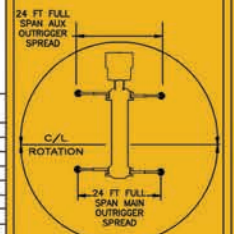
NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

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 31 FT JIB	1300	1800	2400	3400	4000	4000	4000
TELESCOPING JIB							
RETRACTED 31 FT JIB	1000	1700	2400	3400	4000	4000	4000
EXTENDED 55 FT JIB	700	1300	1800	2500	2600	2600	2600

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

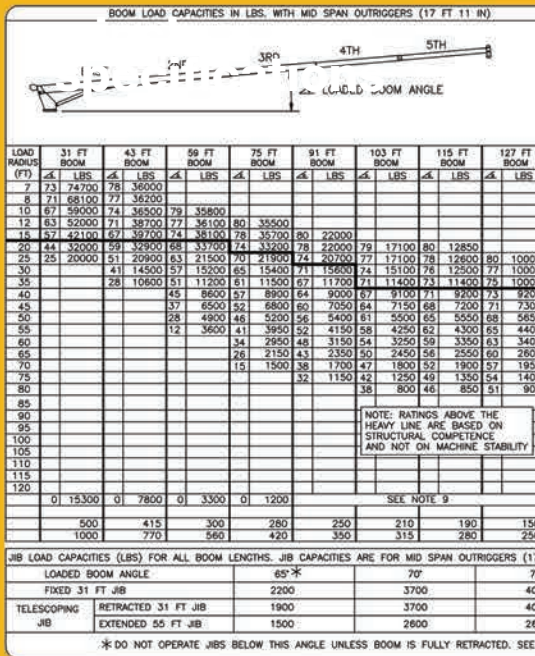
AREA OF OPERATION
360° CAPACITY WORKING AREA WITH FULL SPAN



DEDUCTIONS FROM RATED LOADS FOR HANDLING DEVICES

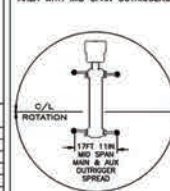
- OVERHAUL BALL: 230 LBS
- 1-SHEAVE LOADBLOCK: 360 LBS
- 2-SHEAVE LOADBLOCK: 500 LBS
- 3-SHEAVE LOADBLOCK: 600 LBS
- IF EQUIPPED WITH AUXILIARY HOIST:
- AUX SHEAVE HEAD : 75 LBS
- AUX OVERHAUL BALL : 230 LBS
- 0° BOOM CAPACITIES
- STOWED JIB LOAD DEDUCTIONS
- FIXED 31 FT JIB DEDUCTIONS
- TELESCOPIC JIB DEDUCTIONS

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MID SPAN OUTRIGGERS

AREA OF OPERATION
360° CAPACITY WORKING AREA WITH MID SPAN 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
- IF EQUIPPED WITH AUXILIARY HOIST:
- AUX SHEAVE HEAD : 75 LBS
- AUX OVERHAUL BALL : 230 LBS
- 0° BOOM CAPACITIES
- STOWED JIB LOAD DEDUCTIONS
- FIXED 31 FT JIB DEDUCTIONS
- TELESCOPIC JIB DEDUCTIONS

JIB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS. JIB CAPACITIES ARE FOR MID SPAN OUTRIGGERS (17 FT 11 IN)

LOADED BOOM ANGLE	65°	70°	75°	80°
FIXED 31 FT JIB	2200	3700	4000	4000
TELESCOPING JIB				
RETRACTED 31 FT JIB	1900	3700	4000	4000
EXTENDED 55 FT JIB	1500	2600	2600	2600

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

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BOOM LOAD CAPACITIES IN LBS. WITH SHORT SPAN OUTRIGGERS (8 FT 0 IN)

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 80000	78 36000						
8	71 82100	77 36200						
10	67 71100	74 36500	79 35800					
12	63 62700	71 38700	77 35100	80 35500				
15	57 50800	67 39700	74 38100	78 35700	80 22000			
20	44 36200	59 36900	69 37300	74 33200	78 22000	79 17100	80 12850	
25	30 29500	51 36500	63 37300	70 33200	74 20700	77 17100	78 12600	80 10000
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55				41 8500	53 8500	58 8500	63 8000	66 7200
60				35 7200	48 7200	55 7250	60 7200	63 6400
65				27 6100	44 6100	51 6200	57 6200	61 5700
70				19 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

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

JIB LOAD CAPACITIES FOR ALL BOOM LENGTHS. JIB CAPACITIES ARE FOR SHORT SPAN OUTRIGGERS (8 FT 0 IN)

FIXED 31 FT JIB	2200	3700	4000	4000
TELESCOPING JIB				
RETRACTED 31 FT JIB	1900	3700	4000	4000
EXTENDED 55 FT JIB	1500	2600	2600	2600

DO NOT OPERATE OR ERECT JIBS IN THIS OUTRIGGER CONFIGURATION

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SHORT SPAN OUTRIGGERS



For Service: 1.877.GO.ALTEC

For Sales: 1.866.966.2969

Altec Cranes are supported by service centers and over 115 mobile service technicians positioned across North America, seven days a week, 24 hours a day.

United States:

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Birmingham, AL 35234

Arizona Service Center

2420 South 16th Avenue
Phoenix, AZ 85007

California Service Center

(Northern)
325 Industrial Way
Dixon, CA 95620

California Service Center

(Southern)
2882 Pomona Boulevard
Pomona, CA 91766

Colorado Service Center

641 Telluride Street
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West Palm Beach, FL 33409

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Kentucky Service Center

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Elizabethtown, KY 42701

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Frederick, MD 21701

Massachusetts Service Center

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Millbury, MA 01527

East Missouri Service Center

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West Missouri Service Center

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St. Joseph, MO 64507

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Ashland, OH 44805

Oregon Service Center

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Portland, OR 97230

Pennsylvania Service Center

250 Laird Street
Plains, PA 18705

Texas Service Center

1001 Solon Road
Waxahatchie, TX 75156

Virginia Service Center

325 South Center Drive
Daleville, VA 24083

Canada:

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Surrey, BC V3W0J5

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