View thousands of Crane Specifications on FreeCraneSpecs.com

Altec CRANES
www.altec.com

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 fatique.

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.

For more information email us at sales@altec.com

View thousands of Crane Specifications on FreeCraneSpecs.com

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
LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO	LOADS UP TO
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
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.					

CAUTION

OPERATOR AIDS MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNERS MANUAL.

KEEP AT LEAST 3 WRAPS OF LOADLINE ON DRUM AT ALL TIMES.

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.

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.

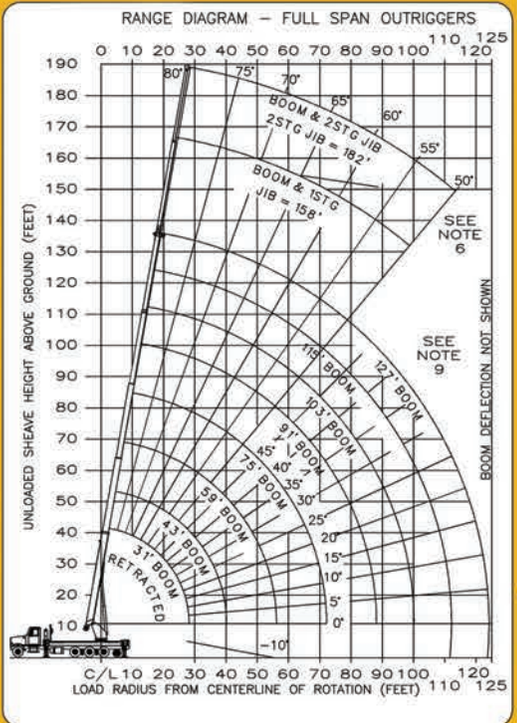
UNIT		RECOMMENDED CHASSIS DIM				MINIMUM RECOMMENDED CHASSIS SPECIFICATION				
Model	Rear Axle	CT (in)	WB (in)	AF (in)	AS (in)	Front Axle Rating (lbs)	Rear Axle Rating (lbs)	GVWR (lbs)	Frame Sec Modulus (in^3)	Frame RBM (in-lb)
AC45	Tri	181	268	165	55	20,000	66,000	86,000	consult factory	

View thousands of Crane Specifications on FreeCraneSpecs.com

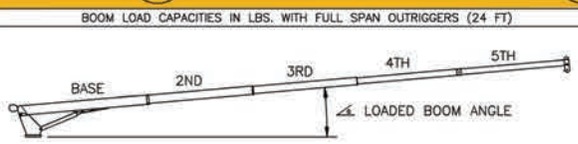
load charts

Altec MODEL: AC45-127S

RANGE DIAGRAM – FULL SPAN OUTRIGGERS



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



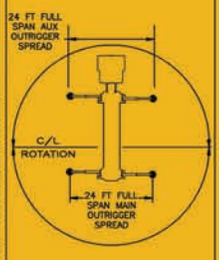
LOAD RADIUS (FT)	31 FT BOOM ∠	31 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	59 FT BOOM ∠	59 FT BOOM LBS	75 FT BOOM ∠	75 FT BOOM LBS	91 FT BOOM ∠	91 FT BOOM LBS	103 FT BOOM ∠	103 FT BOOM LBS	115 FT BOOM ∠	115 FT BOOM LBS	127 FT BOOM ∠	127 FT BOOM LBS
7	73	90000	78	36000												
8	71	82100	77	36200												
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	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							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

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

⇦0° BOOM CAPACITIES
STOWED JIB LOAD DEDUCTIONS
⇦FIXED 31FT JIB DEDUCTIONS
⇦TELESCOPIC JIB DEDUCTIONS

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

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

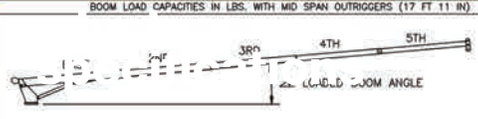
		LOADED BOOM ANGLE	50°✳	55°	60°	65°	70°	75°	80°
		FIXED 31 FT JIB	1300	1800	2400	3400	4000	4000	4000
TELESCOPING JIB		RETRACTED 31 FT JIB	1000	1700	2400	3400	4000	4000	4000
		EXTENDED 55 FT JIB	700	1300	1800	2500	2600	2600	2600

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

970339443-H (SHEET 1)

FULL SPAN OUTRIGGERS

BOOM LOAD CAPACITIES IN LBS. WITH MID SPAN OUTRIGGERS (17 FT 11 IN)



LOAD RADIUS (FT)	31 FT BOOM ∠	31 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	59 FT BOOM ∠	59 FT BOOM LBS	75 FT BOOM ∠	75 FT BOOM LBS	91 FT BOOM ∠	91 FT BOOM LBS	103 FT BOOM ∠	103 FT BOOM LBS	115 FT BOOM ∠	115 FT BOOM LBS	127 FT BOOM ∠	127 FT BOOM LBS
7	73	74700	78	36000												
8	71	68100	77	36200												
10	67	59000	74	36500	79	35800										
12	63	52000	71	38700	77	36100	80	35500								
15	57	42100	67	39700	74	38100	78	35700	80	22000						
20	44	32000	59	32900	68	33700	74	33200	78	22000	79	17100	80	12850		
25	25	20000	51	20900	63	21500	70	21900	74	20700	77	17100	78	12600	80	10000
30			41	14500	57	15200	65	15400	71	15600	74	15100	76	12500	77	10000
35			28	10600	51	11200	61	11500	67	11700	71	11400	73	11400	75	10000
40					45	8600	57	8900	64	9000	67	9100	71	9200	73	9200
45					37	6500	52	6800	60	7050	64	7150	68	7200	71	7300
50					28	4900	46	5200	56	5400	61	5500	65	5550	68	5650
55					12	3600	41	3950	52	4150	58	4250	62	4300	65	4400
60							34	2950	48	3150	54	3250	59	3350	63	3400
65							26	2150	43	2350	50	2450	56	2550	60	2600
70							15	1500	38	1700	47	1800	52	1900	57	1950
75									32	1150	42	1250	49	1350	54	1400
80											38	800	46	850	51	900
85																
90																
95																
100																
105																
110																
115																
120																
	0	15300	0	7800	0	3300	0	1200								
		500		415		300		280		250		210		190		150
		1000		770		560		420		350		315		280		250

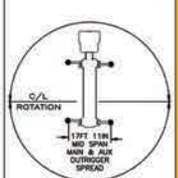
NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

SEE NOTE 9

⇦0° BOOM CAPACITIES
STOWED JIB LOAD DEDUCTIONS
⇦FIXED 31FT JIB DEDUCTIONS
⇦TELESCOPIC JIB DEDUCTIONS

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

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

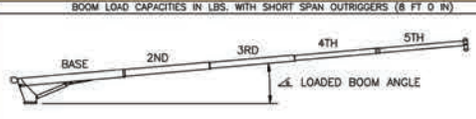
		LOADED BOOM ANGLE	65°✳	70°	75°	80°
		FIXED 31 FT JIB	2200	3700	4000	4000
TELESCOPING JIB		RETRACTED 31 FT JIB	1900	3700	4000	4000
		EXTENDED 55 FT JIB	1500	2600	2600	2600

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

970339443-H (SHEET 2)

MID SPAN OUTRIGGERS

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



LOAD RADIUS (FT)	31 FT BOOM ∠	31 FT BOOM LBS	43 FT BOOM ∠	43 FT BOOM LBS	59 FT BOOM ∠	59 FT BOOM LBS	75 FT BOOM ∠	75 FT BOOM LBS	91 FT BOOM ∠	91 FT BOOM LBS	103 FT BOOM ∠	103 FT BOOM LBS	115 FT BOOM ∠	115 FT BOOM LBS	127 FT BOOM ∠	127 FT BOOM LBS
7	73	52700	78	36000												
8	71	39000	77	36200												
10	67	24700	74	25500	79	26200										
12	63	17200	71	18000	76	18600	80	18900								
15	57	11000	67	11700	73	12200	77	12500	80	12700						
20	46	5850	59	6500	68	6900	73	7200	77	7350	79	7450	80	7500		
25	30	2950	51	3650	63	4100	69	4300	73	4450	76	4550	77	4600	79	4650
30			42	1850	57	2300	65	2500	70	2650	73	2750	75	2800	76	2850
35			30	600	51	1100	61	1300	66	1450	70	1500	72	1600	74	1600
40									63	550	66	600	69	700	72	700
45																
50																
55																
60																
65																
70																
75																
80																
85																
90																
95																
100																
105																
110																
115																
120																
	0	1400														
		500		415		300		280		250		210		190		150
		1000		770		560		420		350		315		280		250

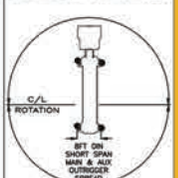
NOTE: RATINGS ABOVE THE HEAVY LINE ARE BASED ON STRUCTURAL COMPETENCE AND NOT ON MACHINE STABILITY

SEE NOTE 9

⇦0° BOOM CAPACITIES
STOWED JIB LOAD DEDUCTIONS
⇦FIXED 31FT JIB DEDUCTIONS
⇦TELESCOPIC JIB DEDUCTIONS

AREA OF OPERATION

360° CAPACITY WORKING AREA WITH SHORT 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

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

	FIXED 31 FT JIB	DO NOT OPERATE OR ERECT JIBS IN THIS OUTRIGGER CONFIGURATION
TELESCOPING JIB	RETRACTED 31 FT JIB	
	EXTENDED 55 FT JIB	

970339443-H (SHEET 3)

SHORT SPAN OUTRIGGERS

Altec CRANES

View thousands of Crane Specifications on FreeCraneSpecs.com

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:

Alabama Service Center
1730 Vanderbilt Road
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
Aurora, CO 80011

Florida Service Center
2570 Okeechobee Road
West Palm Beach, FL 33409

Georgia Service Center
287 First Street
Forest Park, GA 30297

Indiana Service Center
5201 West 84th Street
Indianapolis, IN 46268

Kentucky Service Center
200 Altec Drive
Elizabethtown, KY 42701

Maryland Service Center
1434 Hughes Ford Road
Frederick, MD 21701

Massachusetts Service Center
28 Wales Street
Millbury, MA 01527

East Missouri Service Center
1125 S. Callahan Road
Wentzville, MO 63385

West Missouri Service Center
5202 E. 36 Highway
St. Joseph, MO 64507

North Carolina Service Center
1550 Aerial Avenue
Creedmoor, NC 27522

Ohio Service Center
1236 Township Road 1175
Ashland, OH 44805

Oregon Service Center
13817 NE Sandy Boulevard
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:

British Columbia Service Center
12352 84th Avenue
Surrey, BC V3W0J5

Manitoba Service Center
57 Durand Road
Winnipeg, Manitoba R2J3T1

Ontario Service Center
831 Nipissing Road
Milton, Ontario L9T4Z4

Altec
www.altec.com

Altec Industries, Inc. • 325 South Center Drive • Daleville, VA 24083 • 540.992.5300
Manufacturing and Service Facilities Located Throughout the United States and Canada

Copyright © 2013 Altec Industries. All Rights Reserved. "Altec" is a registered trademark of Altec Industries, Inc.

10/2013