Altec AC28-103B
Hydraulic Telescopic Crane

- 28 Ton (25.4 t) Maximum Lifting Capacity
- 103 ft (31.4 m) 4-Section Boom
- Altec LMAP (Load Moment & Area Protection) System
**Altec AC28-103B Specifications**

**MINIMUM CHASSIS REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>Gross vehicle weight rating</td>
<td>60,000 lbs</td>
<td>27,217 kg</td>
</tr>
<tr>
<td>Front axle weight rating</td>
<td>20,000 lbs</td>
<td>9,072 kg</td>
</tr>
<tr>
<td>Rear axle weight rating</td>
<td>40,000 lbs</td>
<td>18,145 kg</td>
</tr>
<tr>
<td>Cab to Axle</td>
<td>190 in</td>
<td>4826 mm</td>
</tr>
<tr>
<td>Wheel Base</td>
<td>258 in</td>
<td>6553 mm</td>
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Note: Cranes with certain options may require pusher axle to comply with highway regulations.

**RECOMMENDED FEATURES**

- Wheel Chocks
- Fall Protection System (with platform)
- Radio Remote Control (with platform)
- Outrigger Pads

**CRANE SPECIFICATIONS**

- 56,000 lb (25,403 kg) Maximum Lifting Capacity
- 103 ft (31.4 m) 4-Section Non-Insulated Boom
- 113 ft (34.4 m) Maximum Sheave Height
- Stowed Travel Height of 13.3 ft (4.0 m)
- Vehicle Travel Length of 38 ft (11.6 m)
- Outriggers; Primary – Pivoting Beam; Auxiliary – Out-and-Down
- Hydraulic Pilot-Operated Control System
- Life Cycle Tested for Reliability

**STANDARD SAFETY FEATURES**

- Altec LMAP (Load Moment & Area Protection) System
  - 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
- Outrigger Boom Interlock System
- Outrigger Motion Alarm
- Emergency Stop at Operator Controls
- Anti-Two Block Device

**OPTIONS**

- 2-Piece 44 ft (13.4 m) Jib, 26 ft (7.9 m) Retracted
- 95 ft (29.0 m) 4-Section Boom
- Winch Control at Load Hook Stow Point
- 2-Man Steel Platform
- Load Blocks for Multiple Parts of Line
- Hydraulic Tool Circuit at Tail Shelf
- Utility Tool Boxes
- Rotation Resistant Wire Rope
- 2-Speed Winch
- Oil Cooler
- Continuous Rotation
- Out-and-Down Primary Outriggers
  - Full Span 24 ft (7.3 m)
  - Mid Span 15.75 ft (4.8 m)
  - Short Span 8.17 ft (2.5 m)
- Winch Drum Rotator Indicator
- Walk-Through Control Station for Easy Bed Access
CAUTION:

1. Load ratings shown are maximum allowable loads with the crane mounted on an Altec-approved chassis.
2. Loaded boom angles at specified boom lengths give only an approximation of the operating radius. The boom angle before loading should be greater to account for deflections. Do not exceed the operating radius for rated loads.
3. When between listed lengths for radii always use the smallest of values shown. Capacities for the 31-foot boom length must only be lifted with boom fully retracted.
4. Load ratings are based on freely suspended loads with the crane properly set up on outriggers, with the machine leveled and standing on firm uniform supporting surface.
5. Actual working capacities depend on supporting surfaces, wind and other factors affecting stability such as hazardous surroundings, experience of personnel, and proper handling.
6. Weights of load block, stowed jib, or other accessories must be deducted from the rated capacities shown.

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

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

USE ONLY 9/16" DIAMETER IWRC OR ROTATION RESISTANT WIRE ROPE WITH 37,000 LBS. MIN. BREAKING STRENGTH ON THIS MACHINE.

IWRC XWP WIRE ROPE

7,400 LBS.

10,571 LBS.

21,142 LBS.

31,173 LBS.

42,284 LBS.

52,857 LBS.

56,000 LBS.

MAXIMUM BOOM LENGTH AT MAXIMUM ELEVATION WITH RIGGING SHOWN TO REACH THE GROUND

105 FT + 44 FT JB

105 FT BOOM

74 FT UP TO

56 FT BOOM

45 FT UP TO

57 FT BOOM

WIRING LIFTS AND SPEEDS

9/16" DIAMETER
IWRC XWP CABLE SUPPLIED

STANDARD VARIABLE CONTROL WINCH
LOW SPEED

19,680 LBS.

218 FT/MIN

20,200 LBS.

214 FT/MIN

STANDARD VARIABLE CONTROL WINCH
HIGH SPEED

19,680 LBS.

19,680 LBS.

218 FT/MIN

9,300 LBS.

31 FT/MIN

25,520 LBS.

214 FT/MIN

39,300 LBS.

31 FT/MIN

49,200 LBS.

214 FT/MIN

56,000 LBS.

214 FT/MIN

ALL WINCH PULLS AND SPEEDS IN THIS CHART ARE SHOWN ON THE 3RD LAYER. WINCH LINE PULLS WOULD INCREASE ON THE FIRST AND SECOND LAYERS. WINCH LINE SPEED WOULD DECREASE ON THE FIRST AND SECOND LAYERS. WINCH LINE PULLS MAY BE LIMITED BY THE WINCH CAPACITY OF 8,350 LBS FULL DRUM OR ANS CABLE SAFETY LIMITS SHOWN IN CHART FOR IWRC XWP AND ROTATION RESISTANT WIRE ROPE.

DO NOT WORK IN THIS AREA WITHOUT FRONT BUMPER OUTRIGGER DEPLOYED.

OVERHAUL BALL: 180 LBS

1-SHEAVE LOAD BLOCK: 210 LBS

2-SHEAVE LOAD BLOCK: 565 LBS

LOADS FOR HANDLING DEVICES

DEPLOYED JB LOAD CAPACITIES (LBS) FOR ALL BOOM LENGTHS

JB CAPACITIES ARE FOR FULL SPAN OUTRIGGERS

DEPENDING AREA AVAILABLE ONLY WITH FRONT BUMPER OUTRIGGER

STOWED JB LOAD DEDUCTIONS

LOAD BLOCK DEDUCTIONS FROM RATED LOADS

C/L

STOWED JIB

B/A

1550

5650

6200

9000

12600

2300

3300

3500

4350

5350

65

1200

1800

3350

4350

5350

DO NOT OPERATE JB BELOW THIS ANGLE UNLESS BOOM IS FULLY RETRACTED

* WEIGHTS OF LOAD BLOCK, STOWED JIB, OR OTHER ACCESSORIES MUST BE DEDUCTED FROM THE RATED CAPACITIES SHOWN.
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)**  
  2882 Pomona Boulevard  
  Pomona, CA 91766

- **California Service Center (Southern)**  
  641 Telluride Street  
  Aurora, CO 80011

- **Colorado Service Center**  
  2570 Old Okeechobee Road  
  West Palm Beach, FL 33409

- **Florida 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

- **Missouri Service Center**  
  2106 S. Riverside Road  
  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  
  Waxahachie, TX 75166

- **Virginia Service Center**  
  325 South Center Drive  
  Daleville, VA 24083

**Canada:**

- **British Columbia Service Center**  
  12352 84th Avenue  
  Surrey, BC V3W 0J5

- **Manitoba Service Center**  
  57 Durand Road  
  Winnipeg, Manitoba R2J 3T1

- **Ontario Service Center**  
  831 Nipissing Road  
  Milton, Ontario L9T 4Z4

**Vehicle Travel Height of 13.3 ft (4.0 m)**

**Optional Out-and-Down Outriggers**

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**Altec Industries, Inc.**

325 South Center Drive  
Daleville, VA 24083  
1-540-992-5300