The Altec “B” series derrick provides a flexible control system to fit any customer’s needs. This system incorporates a high-flow variable displacement pump and generates a maximum flow of 43 GPM. Because flow is provided by a single variable displacement piston pump, maximum flow is available to any function for superior multi-functioning which includes 4-function boom operation. Additional benefits of the “B” series derrick is 50% reduction of heat generation during heavy digging, 20% reduction of heat generation during continuous winch operation and reduced fuel consumption.

**FEATURES**

- 5-Function Hydraulic Overload Protection System (HOP)
- Hydraulic Side Load Protection (HSLP) with Load Sense
- Boom Stow Protection System
- Full Capacity Fiberglass Upper Boom
- Fiberglass Boom Tip and Transferable Steel Boom Flares
- Insulating, fiberglass third stage with 46kV and below rating
- Hydraulic Tilting Pole Guides with Pole Guide Interlock
- Outrigger Boom Interlock System
- Operator Main Control Panel with Multi-Lever Controls
- Emergency Stop Switch on Main Control Panel(s)

**OPTIONS**

- Radio Remote Upper Controls
- Mechanical Shift and Hydra-Sync Two-Speed Augers
- Altec RotaFloat®
- Fiberglass Material or Personnel Handling Jib
- Altec OptiView® Riding Seat
- Altec Electronic Side Load Protection (ESLP)
- Single or Dual Platforms
- High Speed 12,000 lb Winch
- Radio Remote Main Control Panel
- Right-Hand or Left-Hand Auger Storage

Recommended safety equipment, available through Altec Supply, includes a platform liner, fall protection system, wheel chocks and outrigger pads.

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**CONFIGURATIONS**

<table>
<thead>
<tr>
<th>D2045B</th>
<th>D2050B</th>
<th>D2055B</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Sheave Height</strong> <em>(Both Booms Extended)</em></td>
<td>45.4 ft (13.8 m)</td>
<td>50.0 ft (15.2 m)</td>
</tr>
<tr>
<td>Intermediate Boom Extended, Upper Boom Retracted</td>
<td>37.6 ft (11.5 m)</td>
<td>40.7 ft (12.4 m)</td>
</tr>
<tr>
<td>Both Booms Retracted</td>
<td>29.0 ft (8.8 m)</td>
<td>30.9 ft (9.4 m)</td>
</tr>
<tr>
<td><strong>Horizontal Reach from Centerline of Rotation</strong> <em>(Both Booms Extended)</em></td>
<td>35.7 ft (10.9 m)</td>
<td>40.3 ft (12.3 m)</td>
</tr>
<tr>
<td>Intermediate Boom Extended, Upper Boom Retracted</td>
<td>27.7 ft (8.4 m)</td>
<td>31.0 ft (9.4 m)</td>
</tr>
<tr>
<td>Both Booms Retracted</td>
<td>19.2 ft (5.9 m)</td>
<td>21.1 ft (6.4 m)</td>
</tr>
<tr>
<td><strong>Intermediate Boom Extension</strong></td>
<td>8.5 ft (2.6 m)</td>
<td>9.8 ft (3.0 m)</td>
</tr>
<tr>
<td><strong>Upper Boom Extension</strong></td>
<td>8.0 ft (2.4 m)</td>
<td>9.3 ft (2.8 m)</td>
</tr>
<tr>
<td><strong>Maximum Lift Capacity</strong> <em>(10 ft bare boom)</em></td>
<td>15,000 lb (6,804 kg)</td>
<td>14,747 lb (6,689 kg)</td>
</tr>
<tr>
<td><strong>Boom Articulation</strong></td>
<td>-17 to 83°</td>
<td>-17 to 83°</td>
</tr>
<tr>
<td><strong>Digger Radius (min - max)</strong></td>
<td>16.8 ft (5.1 m) - 25.3 ft (7.7 m)</td>
<td>18.7 ft (5.7 m) - 28.5 ft (8.7 m)</td>
</tr>
<tr>
<td><strong>Rotation</strong></td>
<td>Continuous</td>
<td>Continuous</td>
</tr>
</tbody>
</table>

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**SPECIFICATIONS**

- **Maximum Sheave Height** *(Both Booms Extended)*: 45.4 ft (13.8 m), 50.0 ft (15.2 m), 54.9 ft (16.7 m)
- **Intermediate Boom Extended, Upper Boom Retracted**: 37.6 ft (11.5 m), 40.7 ft (12.4 m), 45.7 ft (13.9 m)
- **Both Booms Retracted**: 29.0 ft (8.8 m), 30.9 ft (9.4 m), 33.4 ft (10.2 m)
- **Horizontal Reach from Centerline of Rotation** *(Both Booms Extended)*: 35.7 ft (10.9 m), 40.3 ft (12.3 m), 45.3 ft (13.8 m)
- **Intermediate Boom Extended, Upper Boom Retracted**: 27.7 ft (8.4 m), 31.0 ft (9.4 m), 36.0 ft (10.9 m)
- **Both Booms Retracted**: 19.2 ft (5.9 m), 21.1 ft (6.4 m), 23.6 ft (7.2 m)
- **Intermediate Boom Extension**: 8.5 ft (2.6 m), 9.8 ft (3.0 m), 12.3 ft (3.8 m)
- **Upper Boom Extension**: 8.0 ft (2.4 m), 9.3 ft (2.8 m), 9.3 ft (2.8 m)
- **Maximum Lift Capacity** *(10 ft bare boom)*: 15,000 lb (6,804 kg), 14,747 lb (6,689 kg), 13,978 lb (6,340 kg)
- **Boom Articulation**: -17 to 83°
- **Digger Radius (min - max)**: 16.8 ft (5.1 m) - 25.3 ft (7.7 m), 18.7 ft (5.7 m) - 28.5 ft (8.7 m), 21.2 ft (6.5 m) - 33.5 ft (10.2 m)
- **Rotation**: Continuous, Continuous, Continuous

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**OPTI-VIEW® CONTROL SEAT**

The Altec Opti-View® Control Seat increases operator comfort and provides a full view of the work area.

**SIDE LOAD GAUGE**

The side load indicator gauge can give operators advanced warning of potential loading hazards.

**RADAR REMOTE CONTROLS**

The radio unit can be used as upper controls without running mechanical controls to the boom tip, allowing a greater boom capacity and smaller working envelope.

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For more complete information on Altec products and services, visit us on the web at [www.altec.com](http://www.altec.com). 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. 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.

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