The Altec “E” series derrick provides a new level of unit performance and functionality. With a single variable displacement pump that provides up to 50 GPM and valve technology that provides superior flow sharing, these derricks set a new standard for multi-functioning performance. Serviceability through the AXIS Service Tool provides rich data and easier troubleshooting diagnostics that promotes increased equipment utilization.

**FEATURES**

- 5-Function Hydraulic Overload Protection System (HOP)
- Hydraulic Side Load Protection (HSLP)
- Fiberglass Boomtip with Transferable Steel Boom Flares
- Insulating, Fiberglass Third Stage with 46 kV and Below Rating
- Hydraulically Proportional Tilting Pole Guides with Pole Guide Interlocks
- Engine Start/Stop at the Tailsheft
- Outrigger Boom Interlock
- Push Button Outrigger Controls
- Hot Oil and Dirty Filter Indicator Lights
- Digger Shift Gearbox Protection
- Smart Zone, Zone Rating System (if applicable)
- Full Capacity Fiberglass Upper Boom

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

**CONFIGURATIONS**

<table>
<thead>
<tr>
<th></th>
<th>DH45E</th>
<th>DH48E</th>
<th>DH50E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Sheave Height* (Both Booms Extended)</td>
<td>45.6 ft (13.9 m)</td>
<td>48.5 ft (14.8 m)</td>
<td>50.6 ft (15.4 m)</td>
</tr>
<tr>
<td>Horizontal Reach from Centerline of Rotation (Both Booms Extended)</td>
<td>36.0 ft (11.0 m)</td>
<td>39.0 ft (11.9 m)</td>
<td>41.0 ft (12.5 m)</td>
</tr>
<tr>
<td>Maximum Lift Capacity**</td>
<td>30,000 lb (13,608 kg)</td>
<td>30,000 lb (13,608 kg)</td>
<td>30,000 lb (13,608 kg)</td>
</tr>
<tr>
<td>Maximum Lift Capacity at 10 ft Radius**</td>
<td>16,050 lb (7,280 kg)</td>
<td>15,670 lb (7,107 kg)</td>
<td>15,400 lb (6,985 kg)</td>
</tr>
<tr>
<td>Maximum Lift Capacity at Minimum Digger Radius**</td>
<td>9,790 lb (4,441 kg)</td>
<td>8,954 lb (4,061 kg)</td>
<td>8,433 lb (3,825 kg)</td>
</tr>
<tr>
<td>Digger Radius (min - max)</td>
<td>16.9 ft - 25.4 ft (5.1 m - 7.7 m)</td>
<td>17.8 ft - 27.3 ft (5.4 m - 8.3 m)</td>
<td>18.5 ft - 28.7 ft (5.6 m - 8.8 m)</td>
</tr>
<tr>
<td>Boom Articulation</td>
<td>-20 to 80°</td>
<td>-20 to 80°</td>
<td>-20 to 80°</td>
</tr>
<tr>
<td>Rotation</td>
<td>Continuous</td>
<td>Continuous</td>
<td>Continuous</td>
</tr>
</tbody>
</table>

*Based on a 40 in (1016 mm) chassis frame height.
**Based on a turret winch configuration.

**AXIS INTEGRATION**
The Altec AXIS Service Tool provides an easier user interface and increased functionality to troubleshoot or calibration the machine.

**ZONE RATING SYSTEM (IF APPLICABLE)**
The zone rating system provides live operator feedback about the stability of the unit through indicator lights located on the boom for improved job site productivity and safety.

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