The Altec “H” Series derrick is a fully hydraulic derrick that incorporates a high-flow piston pump into the hydraulic system. The variable displacement pump 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 “H” 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 3rd Stage, Rated to 46kV and Below
- 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)
- Swing Open, Front-Entry Riding Seat
- Smart Zone, Zone Rating System (if applicable)

**OPTIONS**

- Full-View, T-Handle Riding Seat
- Mechanical Shift and Hydra-Sync Two-Speed Augers
- Fiberglass Material or Personnel Handling Jib
- High Speed 12,000 lb Winch
- Engine Foot Throttle
- Right-Hand or Left-Hand Auger Storage
- Corner Mount
- Boom Tip Winch
- Below Rotation Controls
- Pole Guide Tong Protectors

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

### CONFIGURATIONS

<table>
<thead>
<tr>
<th></th>
<th>DH45H</th>
<th>DH48H</th>
<th>DH50H</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.
ANSI A10.31-2013 Compliant

### SPECIFICATIONS

- **Maximum Sheave Height**
- **Horizontal Reach from Centerline of Rotation**
- **Maximum Lift Capacity**
- **Maximum Lift Capacity at 10 ft Radius**
- **Maximum Lift Capacity at Minimum Digger Radius**
- **Digger Radius (min - max)**
- **Boom Articulation**
- **Rotation**

### SWING OPEN SEAT

The standard 8-lever riding seat comes with a swing open control console for front entry access that improves ingress, egress and operator safety.

### FULL-VIEW, T-HANDLE RIDING SEAT

The standard single handle riding seat comes with an open front, full-view seat that provides superior multi-functioning through the use of the “T-style” handle and best-in-class ingress, egress and boom tip visibility.

### 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.