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 **Altec**
DIGGER DERRICK

Courtesy of Crane.Market

D3000B SERIES

The Altec “B” series derrick provides a flexible control system to fit any customer’s needs. The 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
- Single or Dual Platforms
- High Speed 12,000 lb Winch
- Altec Electronic Side Load Protection (ESLP)
- 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.

CONFIGURATIONS		D3050B	D3055B	D3060B
SPECIFICATIONS	Maximum Sheave Height* (Both Booms Extended)	49.6 ft (15.1 m)	54.5 ft (16.6 m)	59.5 ft (18.2 m)
	Intermediate Boom Extended, Upper Boom Retracted	40.4 ft (12.3 m)	45.4 ft (13.8 m)	47.0 ft (14.3 m)
	Both Booms Retracted	30.8 ft (9.3 m)	33.2 ft (10.1 m)	34.0 ft (10.4 m)
	Horizontal Reach from Centerline of Rotation (Both Booms Extended)	40.2 ft (12.2 m)	45.3 ft (13.8 m)	50.3 ft (15.3 m)
	Intermediate Boom Extended, Upper Boom Retracted	30.8 ft (9.4 m)	36.0 ft (11.0 m)	37.6 ft (11.5 m)
	Both Booms Retracted	20.8 ft (6.3 m)	23.6 ft (7.2 m)	24.5 ft (7.5 m)
	Intermediate Boom Extension	10.0 ft (3.0 m)	12.3 ft (3.8 m)	13.2 ft (4.0 m)
	Upper Boom Extension	9.3 ft (2.8 m)	9.3 ft (2.8 m)	12.7 ft (3.9 m)
	Maximum Lift Capacity (10ft bare boom)	15,837 lb (7,184 kg)	15,000 lb (6,804 kg)	15,000 lb (6,804 kg)
	Boom Articulation	-15 to 80°	-15 to 80°	-15 to 80°
	Digger Radius (min - max)	18.7 ft (5.7 m) - 28.5 ft (8.7 m)	21.2 ft (6.5 m) - 33.5 ft (10.2 m)	22.0 ft (6.7 m) - 35.2 ft (10.7 m)
	Rotation	Continuous	Continuous	Continuous
*Based on a 40 in (1016 mm) chassis frame height. ANSI A10.31-2006 Compliant				



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.



RADIO 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.



D3000H SERIES

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, 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

- Full-View T-Handle Riding Seat
- Mechanical Shift and Hydra-Sync Two-Speed Augers
- Altec RotaFloat®
- Fiberglass Material or Personnel Handling Jib
- High Speed 12,000 lb Winch
- 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.

CONFIGURATIONS		D3050H	D3055H	D3060H
SPECIFICATIONS	Maximum Sheave Height* (Both Booms Extended)	49.6 ft (15.1 m)	54.5 ft (16.6 m)	59.5 ft (18.2 m)
	Intermediate Boom Extended, Upper Boom Retracted	40.4 ft (12.3 m)	45.4 ft (13.8 m)	47.0 ft (14.3 m)
	Both Booms Retracted	30.8 ft (9.3 m)	33.2 ft (10.1 m)	34.0 ft (10.4 m)
	Horizontal Reach from Centerline of Rotation (Both Booms Extended)	40.2 ft (12.2 m)	45.3 ft (13.8 m)	50.3 ft (15.3 m)
	Intermediate Boom Extended, Upper Boom Retracted	30.8 ft (9.4 m)	36.0 ft (11.0 m)	37.6 ft (11.5 m)
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	Maximum Lift Capacity (10ft bare boom)	15,837 lb (7,184 kg)	15,000 lb (6,804 kg)	15,000 lb (6,804 kg)
	Boom Articulation	-15 to 80°	-15 to 80°	-15 to 80°
	Digger Radius (min - max)	18.7 ft (5.7 m) - 28.5 ft (8.7 m)	21.2 ft (6.5 m) - 33.5 ft (10.2 m)	22.0 ft (6.7 m) - 35.2 ft (10.7 m)
	Rotation	Continuous	Continuous	Continuous
	*Based on a 40 in (1016 mm) chassis frame height. ANSI A10.31-2006 Compliant			



FULL-VIEW 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 boomtip visibility.



SIDE LOAD GAUGE

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



CLEAN SIDE OF THE BOOM

The riding seat side of the boom has not obstructions so that the operator has clear view of the boomtip.



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