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 **Altec**
DIGGER DERRICK

DM SERIES

The Altec "B" Series incorporates a high-flow piston pump into the hydraulic system. This variable displacement pump generates a maximum actual flow of 43 GPM, compared to a standard derrick vane pump which provides actual flow of 38 GPM. The higher flow, combined with an improved valve design, optimizes multi-function performance and increase productivity. Other benefits of the Altec "B" Series Derrick include simultaneous 4-function boom operation, 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
- Boom and Auger Stow Protection System
- Hydraulically Extending Full Capacity Fiberglass Upper Boom
- Fiberglass Boom Tip and Transferable Steel Boom Flares
- Insulating, ANSI Category C Rating
- 15,000 lb (6,803.9 kg) Capacity Turntable Winch with Rope/ Cable Guides
- Hydraulic Tilting Pole Guides with Pole Guide Interlock
- Outrigger Controls with Motion Alarms
- Outrigger Boom Interlock System
- Operator Main Control Panel with Multi-Lever Controls
- Emergency Stop Switch on Main Control Panel(s)
- Back Up Alarm

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

OPTIONS

- Behind-the-Cab Mount
- Corner Mount
- Boom Tip Winch
- High Speed 12,000 lb (5,443.1 kg) Winch
- Altec Opti-View® Riding Seat
- Engine Foot Throttle
- Three-Position Throttle Switch
- Control and Platform Covers
- Radio Remote Main Control Panel
- Radio Remote Upper Controls
- Four-Lever Upper Controls
- Single or Dual Platform
- Altec RotaFloat®
- Altec Electronic Side Load Protection (ESLP)
- Derrick OSHA Compliance Package
- Tool Circuit or Hose Reel

CONFIGURATIONS

	DM45	DM47	DM50
Maximum Sheave Height* (Both Booms Extended)	44.4 ft (13.5 m)	46.4 ft (14.2 m)	49.4 ft (15.1 m)
Intermediate Boom Extended, Upper Boom Retracted	36.5 ft (11.5 m)	38.5 ft (11.8 m)	40.2 ft (12.2 m)
Both Booms Retracted	27.9 ft (8.4 m)	29.8 ft (9.1 m)	30.5 ft (9.3 m)
Horizontal Reach from Centerline of Rotation (Both Booms Extended)	35.3 ft (10.8 m)	37.3 ft (11.4 m)	40.3 ft (12.3 m)
Intermediate Boom Extended, Upper Boom Retracted	27.3 ft (8.3 m)	29.3 ft (8.9 m)	31.0 ft (9.4 m)
Both Booms Retracted	18.5 ft (5.6 m)	20.5 ft (6.2 m)	21.2 ft (6.5 m)
Intermediate Boom Extension	8.8 ft (2.7 m)	8.8 ft (2.7 m)	9.8 ft (3.0 m)
Upper Boom Extension	8.0 ft (2.4 m)	8.0 ft (2.4 m)	9.3 ft (2.8 m)
Maximum Lift Capacity (10 ft Bare Boom)	13,394 lb (6,077 kg)	12,902 lb (5,852 kg)	12,451 lb (5,648 kg)
Maximum Lift Capacity (10 ft with Auger, Pole Guides and Upper Controls)	12,120 lb (5,497 kg)	11,570 lb (5,248 kg)	11,090 lb (5,030 kg)
Boom Articulation	-20 to 80°	-20 to 80°	-20 to 80°
Digger Radius (min - max)	16.0 ft (4.8 m) - 24.8 ft (7.5 m)	17.9 ft (5.5 m) - 26.7 ft (8.1 m)	18.7 ft (5.7 m) - 28.5 ft (8.7 m)
Rotation (with High Capacity Worm Drive Gearbox)	Continuous	Continuous	Continuous

*Based on a 40 in (1016 mm) chassis frame height.
ANSI A10.31-2006 Compliant

SPECIFICATIONS



RADIO REMOTE CONTROLS



BOOM TIP WINCH



SIDE LOAD GAUGE



OPTI-VIEW® SEAT



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