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Altec DM Series Digger Derrick

- 5 Function HOP Including Boom Down
- Emergency Stop Switch at all Control Panels
- Hydraulic Side Load Protection
- Boom Stow and Auger Stow
- Outrigger Boom Interlock System



Available options:



Radio Remote Controls



Boom Tip Winch



Side Load Gauge



Opti-View® Seat

New Equipment Sales

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Altec DM Series

standard features

- 5 Function Hydraulic Overload Protection System
- Emergency Stop Switch at all Control Panel(s)
- Hydraulic Side Load Protection
- Boom Stow and Auger Stow Protection
- Insulating per ANSI "46 kV and below" Dielectric Rating
- Outrigger Controls with Motion Alarms
- Outrigger Boom Interlock System
- Back Up Alarm
- Fiberglass Boom Tip and Transferable Steel Flares for Pole Setting
- Hydraulically Tilting Pole Guides with Pole Guide Interlock
- Hydraulically Extending Full Capacity Fiberglass Upper Boom
- 15,000 lbs Capacity Turntable Winch with Rope/Cable Guides
- Operator Main Control Panel with Multi-Lever Controls
- Continuous Rotation with High Capacity Worm Drive Gearbox
- Painted White with the Altec Powder Coat Paint Process
- Designed and Manufactured in Facilities Certified to ISO 9001

recommended features

- Fall Protection System
- Platform Liner
- Wheel Chocks
- Outrigger Pads

options

- "B" series hydraulic system (see description below)
- Behind Cab Mount and Corner Mount
- Boom Tip Winch
- High Speed (12,000 lbs) Winch
- Altec Opti-View[®] Control Seat
- Engine Foot Throttle
- 3-position Throttle Switch
- Control and Platform Covers
- Radio Remote Main Control Panel
- Radio Remote Upper Controls
- 4 Lever Upper Controls
- Platform - Single or Dual
- Altec RotaFloat[®] for Setting Screw Anchors
- Altec Electronic Side Load Protection
- Derrick OSHA Compliance Package
- Tool Circuit or Hose Reel

specifications

GENERAL SPECIFICATIONS	DM45	DM47	DM50
Max Lift Capacity 10' bare boom	13,394 lb 6077 kg	12,902 lb 5852 kg	12,451 lb 5648 kg
Maximum Lift Capacity 10' with Auger, PG, UC	12,120 lb 5497 kg	11,570 lb 5248 kg	11,090 lb 5030 kg
Sheave Height Booms Fully Retracted	27.9 ft 8.4 m	29.8 ft 9.1 m	30.5 ft 9.3 m
Intermediate Extended, Upper Retracted:	36.5 ft 11.1 m	38.5 ft 11.8 m	40.2 ft 12.2 m
Booms Fully Extended	44.4 ft 13.5 m	46.4 ft 14.2 m	49.4 ft 15.1 m
Horizontal Reach from Centerline of Rotation Booms Fully Retracted	18.5 ft 5.6 m	20.5 ft 6.2 m	21.2 ft 6.5 m
Intermediate Extended, Upper Retracted	27.3 ft 8.3 m	29.3 ft 8.9 m	31.0 ft 9.4 m
Booms Fully Extended	35.3 ft 10.8 m	37.3 ft 11.4 m	40.3 ft 12.3 m
Boom Extension Intermediate Boom	8.8 ft 2.7 m	8.8 ft 2.7 m	9.8 ft 3.0 m
Upper Boom	8.0 ft 2.4 m	8.0 ft 2.4 m	9.3 ft 2.8 m
Digging Radius Minimum	16.0 ft 4.8 m	17.9 ft 5.5 m	18.7 ft 5.7 m
Maximum	24.8 ft 7.5 m	26.7 ft 8.1 m	28.5 ft 8.7 m
Boom Articulation	-20° to 80°	-20° to 80°	-20° to 80°

Altec "B" Series Hydraulic system

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 multifunction 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
- Reduced fuel consumption

DERRICK MODEL	DM45	DM47	DM50
CONFIGURATIONS			
TR Turntable Winch; Rear Mount	X	X	X
TC Turntable Winch; Corner Mount	X	X	X
TB Turntable Winch; Behind Cab Mount	X	X	X
BC Boom tip Winch; Corner Mount	X	X	X
BR Boom tip Winch; Rear Mount	X	X	X
BB Boom tip Winch; Behind Cab Mount	X	X	X