Atlas Copco Blasthole Drills

DML / DML-SP

Hole diameter 6 in - 9 7/8 / 152 mm - 250 mm

Atlas Copco

Built for Performance

Designed for Comfort

After 100 years of designing and building blasthole drills, Atlas Copco knows that to meet the challenges of the mining and construction industry, your drill has to perform consistently and efficiently and keep on working, no matter how rugged the environment. That's what goes into the design of every DML and DML-SP blasthole drill. They are productive, tough, versatile, and durable. Recently, the DML broke all records at a Siberian coal mine drilling 30,500 drillmeters per month.

For handling pipe, a carousel-type drill pipe change is part of the tower assemble and is located on the outside of the tower frame. Raising the tower to the vertical position with a full complement of drill pipe in the carousel can be accomplished in less than one minute. Tower pinning is performed remotely from within the operator's cab. Two angle drilling options are also available.

The two-motor, high torque/high speed rotary head delivers 7,800 ft-lb / 10,575 N-m @ 107 RPM or 5,200 ft-lb / 7,050 N-m @ 160 RPM to ensure efficient drilling.

Comfortable

Operator comfort and efficiency are paramount. The wrap-around drilling console places the heavy-duty electric over hydraulic controllers within eash reach while strategically placed windows provide full view of the drill table and bench from a comfortable, captain's seat. For further comfort and safety, the FOPS cab has a noise rating of less than 80 dBa.

Powerful

The complete powerpack assembly is mounted on a sub-base to maximize mechanical efficiency and isolate the components from drilling and propel shock loads. Your choice of Caterpillar or Cummins engines, coupled with an Ingersoll-Rand airend, delivers the power you need in either low or high pressure combinations. The engine and airend combinations are designed to deliver optimum air and horsepower to meet the toughest drilling conditions without sacrificing power.

Mobile

Atlas Copco branded tracks propel the DML and DML-SP. Fixed displacement axial piston motors provide 175 HP / 131 kW to drive the AC GT3000 tracks.

Quick facts DML and DML-SP

Main Application Area:	Mining, Construction, Aggregate Quarries	
Drilling Method:	Rotary and DTH	
Engine:	Catepillar LP 525-630-820HP/391-470-611kW-1800 RPM HP820HP/611kW-1800 RPM	Cummins LP530-600-760HP/395-447-566kW @1800 RPM HP 760 / 566 kW @1800 RPM
Compressor Range:	LP 1200 - 1600 - 1900 cfm @ 110 psi / 34 - 45 - 54 m³/min @ 7.6 bar HP1250 - 1450 cfm @ 350 psi / 35 - 41 m³/min @ 24 bar	
Hole Diameter:	6 in - 9 7/8 / 152 mm - 250 mm	
Maximum Hole Depth:	DML: 180 ft / 54.9 m	DML-SP: 60 ft / 18.3 m
Pulldown:	60,000 lbf / 267 kN	
Feed Speed:	146 - 225 ft/min / 45 - 69 m/min	
Rotary Head:	5,200 ft-lb / 7,050 N-m @ 160 RPM 7,800 ft-lb / 10,575 N-m @ 107 RPM	

Weights and Dimensions

DML	Tower Up	Tower Down
Length	31 ft 10 in / 9.7 m	43 ft 7 in / 13.3 m
Shipping Height	N/A	14 ft 7 in / 4.4 m
Working Height	43 ft 8 in / 13.3 m	17 ft 8 in / 5.4 m
Shipping Width	13 ft 11 in / 4.2 m	13 ft 11 in / 4.2 m
Working Width	16 ft 6 in / 5 m	16 ft 6 in / 5 m
Shipping Weight	82,000-88,000 lb / 37,195-39,916 kg	82,000-88,000 lb / 37,195-39,916 kg
Working Weight	87,000-95,000 lb / 37,936-43,092 kg	87,000-95,000 lb / 37,936-43,092 kg

DML-SP	Tower Up	Tower Down
Length	(50 ft option) 37 ft 6 in / 11.4 m	68 ft 7 in / 20.7 m
Length	(60 ft option) 37 ft 6 in / 11.4 m	79 ft / 24 m
Shipping Height	N/A	14 ft / 4.2 m
Working Height	(50 ft option) 71 ft 7 in / 28.8 m	19 ft 7 in / 5.9 m
Working Height	(60 ft option) 82 ft 7 in / 25.1 m	19 ft 7 in / 5.9 m
Shipping Width	13 ft 11 in / 4.2 m	13 ft 11 in / 4.1 m
Working Width	13 ft 10 in / 4.1 m	13 ft 10 in / 4.1 m
Shipping Weight	100,000-105,000 lb / 45,360-47,628 kg	100,000-105,000 lb / 45,360-47,628 kg
Working Weight	110,000-120,000 lb / 49,896-54,432 kg	110,000-120,000 lb / 49,896-54,432 kg

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