

# Atlas Copco Blasthole Drills

DM25-SP / DM30



*Atlas Copco*



**The DM30 represents an ideal combination of versatility, economy, and power in blasthole drills.**

Atlas Copco drills have been hard at work serving the drilling community for over a century. Customers worldwide recognize Atlas Copco brand drills for quality, reliability, longevity and performance. The DM30 proudly carries on this tradition.

Designed for quarrying and small mining applications, this versatile drill can be easily loaded onto a trailer and moved from one location to another.

## **Operator Cab and Controls**

A spacious, heated/air conditioned and pressurized two-man cab provides a comfortable working environment with excellent visibility of the work area.

The ergonomic control console puts all of the drilling, tramming, and auxiliary operations at the driller's fingertips. An additional safety feature is the integrated FOPS (Falling Object Protection System) structure of the cab.



## Powerful Feed and Rotation System

Strong and powerful, the high-strength cable feed system is designed to absorb drilling shock, improving rotary head life and minimizing inventory requirements. The 136 HP / 101 kW spur gear head provides high torque for maximum drilling performance, smooth rod handling, and a powerful impact breakout system.

With a precision controlled, pressure balanced cylinder feed system, the DM30 has a 30,000 lbf / 133 kN bit weight and a 10,000 lbf / 44 kN pullback capacity.



## Power Pack

A high ambient cooler with 125° F / 52° C capability and an adjustable hydraulic fan is standard on the DM30 for longer component life and lower maintenance costs. Your choice of Cummins or Caterpillar deck engines provides more power for better drilling performance and longer life.

The power pack components are mounted in a straight line on a floating sub-frame. The Ingersoll-Rand compressor is directly driven from one end of the diesel deck engine, while the hydraulic pumps are driven from the other end.



## Rugged Track Drive and Undercarriage

For mobility in rough conditions, the DM30 utilizes a fabricated, steel excavator style undercarriage and a 5° oscillating yoke. Powered by independent hydraulic motors, the track system has superior gradeability and a tight turning radius. The undercarriage also includes full-length rock guards and a propel safety brake which are designed for the rigors of mining and quarry applications.



## The DM25-SP for Rotary and Fast Downhole Drilling in the Hardest Rock

The DM25-SP can drill up to 50 ft. / 15.2 m in a single pass. This eliminates drill pipe changing and saves up to 20% drilling time on every hole.

Powered by a hydraulic motor, the heavy-duty gear drive rotary table gives the operator precise control and variable speed with lots of power for rotary or DTH drilling. Atlas Copco kelly and drive bushings provide longer, trouble-free life and top performance.

The hydraulic feed system delivers smooth, continuous bit loading and rapid feed speeds to reduce drilling time and cost.

## GENERAL SPECIFICATIONS

	DM30	DM25-SP
<b>Power Pack</b>		
Engine HP		
Catepillar C-15	540 HP / 403 kW @ 1800 RPM	540 HP / 403 kW @ 1800 RPM
Compressor	900 CFM @ 350 PSI 25.5 M <sup>3</sup> /min @ 24 bar	900 CFM @ 350 PSI 25.5 M <sup>3</sup> /min @ 24 bar
Cummins QSX15	560 HP / 418 kW @ 1800 RPM	560 HP / 418 kW @ 1800 RPM
Compressor	900 CFM @ 350 PSI 25.5 M <sup>3</sup> /min @ 24 bar	900 CFM @ 350 PSI 25.5 M <sup>3</sup> /min @ 24 bar
Engine LP		
Catepillar C-15	475 HP / 354 kW @ 1800 RPM	425 HP / 354 kW @ 1800 RPM
Compressor	900 CFM @ 110 PSI 25.5 m <sup>3</sup> /min @ 7.6 bar	900 CFM @ 110 PSI 25.5 m <sup>3</sup> /min @ 7.6 bar
Cummins QSX15	425 HP / 336 kW @ 1800 RPM	425 HP / 336 kW @ 1800 RPM
Compressor	900 CFM @ 110 RPM 25.5 m <sup>3</sup> /min @ 7.6 bar	900 CFM @ 110 RPM 25.5 m <sup>3</sup> /min @ 7.6 bar
<b>Rotary Head</b>	Spur gear design, 5,400 ft.-lb. / 7,322 Nm torque @ 0-100 RPM	
<b>Rotary Table</b>	Gear drive rotary table, 3,500 ft.-lb / 4,756 Nm torque @ 0-170 RPM	
<b>Feed System</b>		
Pulldown	30,000 lbs. / 133 kN	25,000 lbs. / 111 kN
Fast Feed	0 - 100 ft./min. / 0 - 30.5 m/min.	0 - 65 ft./min. / 0 - 20 m/min.
Retract	0 - 280 ft./min. / 0 - 85 m/min.	0 - 72 ft./min. / 0 - 23 m/min.
<b>Undercarriage</b>	Speed 0 - 2 mph / 0 - 4 km/hr Gradeability 50% (tower down) Track Drive 136 HP/side / 89 kW/side	

## WEIGHTS AND DIMENSIONS

	DM30	DM-25 SP	
		40 ft. / 12.2 m	50 ft. / 15.2 m
Width	142 in. / 3.6m	142 in. / 3.6 m	142 in. / 3.6 m
Height (mast down)	174 in. / 4.4 m	151 in. / 3.8 m	156 in. / 4.0 m
Height (mast up)	532 in. / 13.5 m	780 in. / 19.8 m	888 in. / 22.6 m
Track width (overall)	113 in. / 2.9 m	113 in. / 2.9 m	113 in. / 2.9 m
Net weight excluding drill pipe and accessories	60,000 lbs. / 28,121 kg	58,000 lbs. / 27,309 kg	60,000 lbs. / 28,121 kg

# Committed to your superior productivity



## Worldwide Dealer Network

With one of the largest distribution networks in the industry, Atlas Copco has a sales center near you providing products, accessories, and financing options to fit all your drilling needs.

## Worldwide Product Support

Our team of experienced drill specialists are strategically located near you to offer troubleshooting expertise and to help solve difficult problems.

## Worldwide Availability

Our worldwide distribution network is committed to providing the parts and service you need to keep your drills running efficiently and cost effectively.

**Atlas Copco**

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