BOOMER M-SERIES

Face drilling rig for tunneling and mining applications with a coverage area up to 65m².
RELOADED TO MEET YOUR CONDITIONS

THE BOOMER M-SERIES FACE DRILLING RIGS HAVE BECOME A KEY PIECE OF EQUIPMENT FOR MINING AND TUNNELING APPLICATIONS. AS PART OF OUR COMMITMENT TO CONTINUOUS IMPROVEMENT, THE FACE DRILLING RIG HAS BENEFITED FROM A COMPREHENSIVE UPGRADE, FOCUSING ON IMPROVED SAFETY, INCREASED ROBUSTNESS AND LOWER OPERATIONAL COSTS. THE END RESULT IS A NEW BOOMER M-SERIES THAT TRULY IS "RELOADED".

**MAIN BENEFITS**

- **Safety** The reloaded face drilling rig has been improved with safety and ergonomics in mind. As an example, the new, optional cabin is ROPS/FOPS certified and has an upgraded interior and operator work environment. With the unique safe bolting boom function, the operator can safely load bolts into the feed without having to pass in front of the machine into areas with an unsupported roof.

- **Robustness** The new Boomer M-series is more durable overall. Numerous upgrades have resulted in a more robust and strong face drilling rig. The improvements include strengthened components, better protection of parts and better protection against internal wear.

- **Operational costs** The sum of our efforts has resulted in a face drilling rig that consistently achieves longer service intervals. This represents a significant reduction in operational costs for you. Unplanned downtime is also greatly reduced, meaning there is less disruption to your operational cycle.

- **Updated rock drill** – second generation of COP 1838HD

- **New cabin** – ROPS/FOPS-certified for added safety (optional)

- **Upgraded boom** – the new heavy-duty BUT 36S boom is optimized for tough conditions

- **Carrier improvements** – stronger axle for longer life

- **Filtration package** – designed to protect the key assets on the drill rig

- **Feed upgrades** – significant improvements in reliability
+ SAFE BOLTING BOOM FUNCTION

The Boomer M-series is unique in the mining and construction world because it offers a safe bolting boom function for the semi-mechanized installation of rock bolts. Due to the design of the BUT 36S booms and the side platforms on both sides of the operator station, it is possible to swing the feed all the way back to a position where the operator can safely load bolts into the feed without having to pass in front of the machine into areas with an unsupported roof.

+ ROCK DRILL

The Boomer M-series is equipped with the second generation of the flexible COP1838HD+ rock drill. Thanks to new design features, we have been able to increase the drill’s rebuild intervals by up to 50%, depending on operating conditions. Key design improvements include: extended driver part life due to new driver design, replaceable damping piston sleeve insert for lower operating costs, improved protection for the impact piston because of better alignment and longer seal life.

+ ATLAS COPCO RIG CONTROL SYSTEM

The reloaded rig offers the latest Rig Control System, the fifth generation of the RCS, so as to simplify the operator’s work and contribute to increased productivity. With a new intuitive interface, upgraded software and user-friendly environment, the aim is – as always – to create more productive conditions for rock drilling, and to improve drilling rate and drill steel economy.

MORE THAN A MACHINE

Atlas Copco Service back up your equipment with sustainable solutions that deliver better safety, higher productivity and peace of mind. The Atlas Copco Service global offering is loaded with reliability and the highest availability. Atlas Copco aims to contribute to your profitability and add value to your operation. Contact your local Atlas Copco representative to find out what can be done to help your business.
TECHNICAL SPECIFICATIONS

**CABIN (OPTIONAL)**

- FOPS/ROPS approved cabin
- Noise level dB(A)
- Dimensions (mm)

**CARRIER**

- Carrier TGD 2013 LF 2V Stage 8A/Twe 31/32 MW (100%)
- Carrier TGD 4 15.14, Stage 3B/Twe 4 115/600 (100%)
- Articulated steering +/- steering angle
- Four-speed drive
- Electric system 24 V
- Batteries 2x 125 Ah
- Truck cab at swiveling seat automatic, roof/cabin optional, cabin optional
- Automatic differential lock on axles, limited slip
- Tires 12.00 x 24
- Clearance outside side 10” rear, 22” front
- Turning radius outer/inner (Equipped with COP 3038) 7 200/4 400 mm
- Turning radius outer/inner (Equipped with COP 1838) 7 500/4 400 mm
- Ground clearance 260 mm
- Length with BMH 6814 feed(s) 14 049 mm
- Height roof up/down 3 019/2 324 mm
- Height with cabin 3 179 mm
- Width 2 550 mm
- Four-wheel drive
- Articulated steering ±41° steering angle* (If RHS E or SP2 service platform is equipped the steering angle will be reduced to 30°)

**DRIFTER RODS**

- Rock drill
  - Rod
  - Min. hole diameter (mm)

**EXTENSION RODS FOR INJECTION DRILLING/RAS**

- Rock drill
  - Rod
  - Min. hole diameter (mm)

**SHANK ADAPTERS**

- Rock drill
  - Rod
  - Diameter (mm)
  - Length (mm)

**RECOMMENDED CABLE SIZE AND LENGTH**

- Voltage
  - Type
  - Diameter (mm)
  - Length (m)

**COUPLINGS**

- Rock drill
  - Rod
  - Diameter (mm)
  - Length (mm)

**NOISE AND VIBRATION**

- Operator sound pressure level in cabin, drilling, free field (ISO 2631-1) 75 ± 20 dB(A)
- Operator sound pressure level in canopy, drilling, free field (ISO 2631-1) 75 ± 20 dB(A)
- Operator sound pressure level close to machine, drilling, free field 125 ± 20 dB(A)
- Sound power level (ISO 3744), drilling, free field (ISO 11290) 128 ± 5 dB(A)
- Vibration levels standing, drilling (ISO 2631-1) 1.0 ± 0.5 m/s²
- Vibration levels standing, drilling (ISO 2631-1) Table 1.0 ± 0.5 m/s²

- Operator sound pressure level in cabin, drilling, free field (ISO 2631-1) 75 ± 20 dB(A)
- Operator sound pressure level in canopy, drilling, free field (ISO 2631-1) 75 ± 20 dB(A)
- Operator sound pressure level close to machine, drilling, free field 125 ± 20 dB(A)
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**Turning radius outer/inner (Equipped with COP 1838) 7 150/4 400 mm
- Turning radius outer/inner (Equipped with COP 3038) 7 150/4 400 mm**

**DIMENSIONS**

- Height with cabin 2 160 mm
- Height roof elevation 3 175 mm
- Length with BMH 6814 feed(s) 14 049 mm
- Ground clearance 280 mm
- Tipping radio outer/inner (Equipped with COP 1838) 7 170/4 400 mm
- Tipping radio outer/inner (Equipped with COP 3038) 7 170/4 400 mm

**TRAMMING SPEED**

- Rock type
  - Total
  - Boom side
  - Engine side

- One boom rig
  - Total 18 000-20 000 kg
  - Boom side 9 000-11 000 kg
  - Engine side 9 000 kg
- Two boom rig
  - Total 18 000-20 000 kg
  - Boom side 9 500-11 000 kg
  - Engine side 8 000 kg

Boomer M-series equipped with COP 3038.

Boomer M-series equipped with COP 1838.

Boomer M-series, coverage area.
COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.

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