

SmartROC T25 R

Tophammer surface drill rig for quarrying and construction

Hole diameter: 38–64 mm (1.5"–2.5")



A smart rig for smarter operators.

You've never asked for much. The SmartROC T25 R gives you everything you could ever dream of.

You work alone in the background, — building the infrastructure which keeps society running smoothly. You are first on-site and the last to go home. We know how it is. Epiroc has designed the SmartROC T25 R to work as hard as you do.

It will follow you into the roughest terrain, or into tight, suburban sites. It is ready to be your new best friend and help you deliver results, shift-after-shift.



Your new best friend.

The SmartROC T25 R features a smart control system which presents you with all the information you need to get the job done efficiently. It features an attractive, easy-to-read 10" touchscreen so you can keep track of drilling operations and all crucial settings. The control system also automatically optimizes power output which reduces fuel consumption. This helps to keep costs low and reduce your environmental impact.

Epiroc is constantly pushing and developing updates, new features and options for SmartROC rigs. These can be installed in your SmartROC T25 R in the future thanks to the Smart control system. This helps to safeguard your investment, further boost productivity and keep your most trusted companion in top condition.

⊕ Main benefits

Impressive adaptability. Features such as a flexible boom system, compact transport position, steel or rubber tracks, three different feed lengths and air and water flushing help you get the job done.

Exceptional coverage. A 45°/45° or 90°/90° swing radius provides 28 m² or 45 m² setup coverage. 6.1 or 5.5 meter boom systems are available each with a 360° feed swing. The boom geometry means you can drill right next to the rig.

Great terrainability. A low center of gravity, wide track spacing and highly maneuverable boom enable the rig to follow you into the roughest terrain.



Compact dimensions, versatile feed with 360° swing and great lighting options means the SmartROC T25 R is just as happy underground as it is on the surface. Wherever you need to work, this rig will be right there by your side.



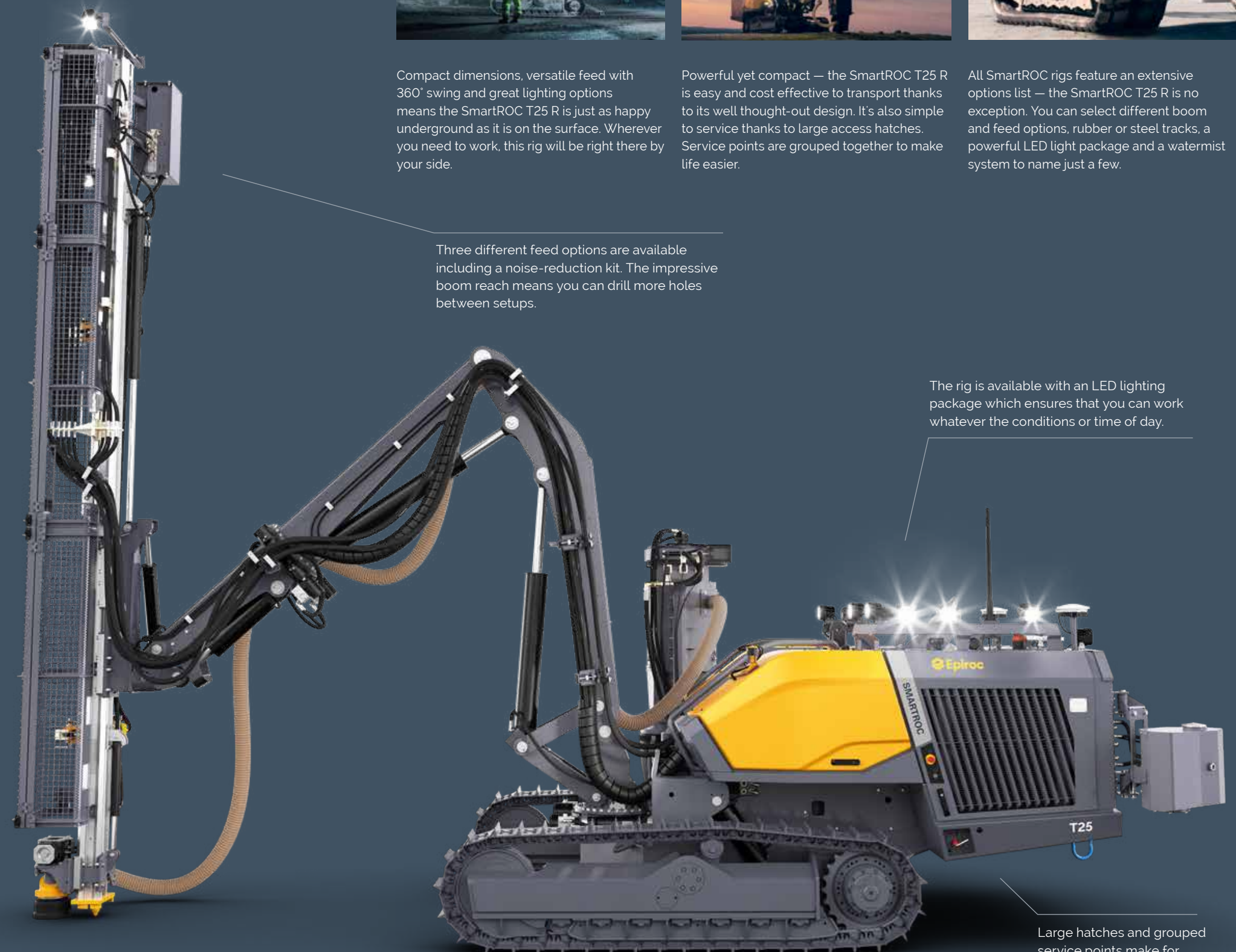
Powerful yet compact — the SmartROC T25 R is easy and cost effective to transport thanks to its well thought-out design. It's also simple to service thanks to large access hatches. Service points are grouped together to make life easier.



All SmartROC rigs feature an extensive options list — the SmartROC T25 R is no exception. You can select different boom and feed options, rubber or steel tracks, a powerful LED light package and a watermist system to name just a few.

Three different feed options are available including a noise-reduction kit. The impressive boom reach means you can drill more holes between setups.

The rig is available with an LED lighting package which ensures that you can work whatever the conditions or time of day.



Large hatches and grouped service points make for quick and easy servicing.

Rubber and steel crawler track options are available. Wide track-spacing helps to increase stability.



Ready for the future. Optimized for today.

Sometimes you have to work in the urban jungle. No problem. Wherever you need to go, the SmartROC T25 R will follow.

Not all jobs are located in the great wide open. Some sites are located in a dense, urban setting. The SmartROC T25 R is designed to be as versatile as you are. Rubber crawler tracks are available so no trace of your visit is left. The compact design and clever boom geometry ensure that you can get into just the right position for drilling.

Some locations include strict regulations regarding noise pollution. The SmartROC T25 R is available with a noise-reduction option. This allows the rig to operate problem-free in these sound-sensitive areas.

Designed for you — and all kinds of rock.

We know that your job is anything but monotonous. Each day is different, and presents you with unique problems and challenges. The SmartROC T25 R has been designed with this in mind. Impressive boom coverage, a smart control system and unrivaled adaptability all add up to make sure you get the job done safely, efficiently and on-time.



+ Smart control system

The Smart control system enables you to tune the drilling process so that you can get the rock drill to perform to perfection. Its intuitive interface is easy to understand so you can get up and running in no time at all. The control system also makes it simple and quick to install new updates in the future. Engine RPM and compressor load are automatically adjusted by the system to ensure that maximum efficiency is achieved throughout the drilling process.



+ Reduced environmental impact

At Epiroc, we believe that an expanding infrastructure doesn't have to damage the environment around us. Our goal is to help your operation be as sustainable as possible. The rig is fitted with a Volvo Penta diesel engine with a smart control system which ensures that fuel is not used unnecessarily. A noise reduction option is also available to ensure that sound pollution is kept to a minimum in sensitive areas.



+ Tough terrain? No problem

The SmartROC T25 R has a low center of gravity to help it stay balanced on rough ground. We've also increased the space between the crawler tracks which helps to improve stability. The boom is also extremely manoeuvrable which makes it a great counter-weight when tramming over uneven ground. A lab-type drill support leg ensures a stable set-up whilst a winch allows you to anchor the machine securely to get up and down steep inclines.



A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.

Technical specifications

Main Components

- Crawler type two speed undercarriage with track oscillation system
- Rubber or steel crawler track options
- Volvo Penta diesel engine
- Atlas Copco screw type compressor
- Versatile folding boom system
- Labb-type drill support leg
- 5.5 or 6.1 meter feed options
- Smart control system with 10" touchscreen
- Hydraulic rock drills COP SC14
- Alternative Rod Handling Systems, RHS
- Dust Collection System, DCT
- 360° feed swing
- Radio Remote Control system with integrated display

Recommended hole range

| Feed type | Metric | US | Thread | Rod Adding System (RAS) | |
|------------|------------|-------------|----------------------|-------------------------|---------|
| | | | | 2 rods | 2+ rods |
| 8 ft feed | Ø 38–64 mm | Ø 1.5"–2.5" | SR32, R32, TC35, T35 | 3.9 m | 15 m' |
| 10 ft feed | | | | 5.1 m | |
| 14 ft feed | | | | 7.6 m | |

Engine

| Volvo Penta TAD 580 VE turbo-charged diesel engine, Tier 4 Final/Stage 5 | |
|--|---------------|
| Power rating at 2 310 rpm | 105 kW/143 hp |
| Electronic variable engine speed | 900–2 054 rpm |
| Variable fan control | |
| Green saver – automatic low engine speed | |
| Volvo Penta TAD 580 VE turbo charged diesel engine, Tier 3 | |
| Power rating at 2 310 rpm | 105 kW/143 hp |

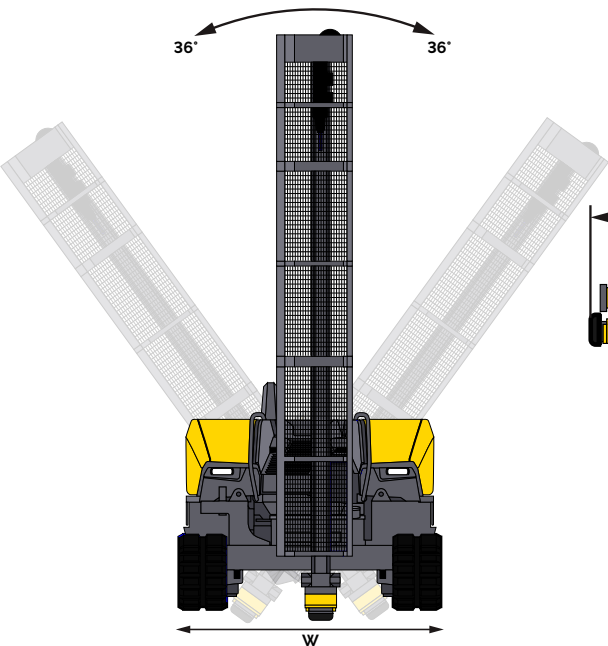
Dust collector DCT

| | Metric | US |
|-----------------------------------|------------------|------------------|
| Filter area | 7 m ² | 75 sq.ft |
| Suction hose diameter | 102 mm | 4" |
| Cleaning air pressure, max | 7.5 bar | 109 psi |
| Cleaning air consumption at 7 bar | 15 l/pulse | 0.53 cu.ft/pulse |
| Filter cleaning while drilling | | |
| 7 pcs of filter elements | | |

Weight

| Standard unit excluding all options and drill steel | Metric | US |
|---|-----------|-----------|
| Provisional max weight - Steel tracks | 11 700 kg | 25 794 lb |
| Provisional max weight - Rubber tracks | 9 900 kg | 21 826 lb |

Feed swing



Compressor

| Atlas Copco OIS, screw compressor | | |
|-----------------------------------|----------|-----------------|
| Working pressure, max | 8.5 bar | 123 psi |
| FAD, at normal working pressure | 55 l/sec | 14.5 US gal/sec |

Feed

| Total length | Metric | US |
|-----------------|----------|------|
| 14 ft feed | 5 799 mm | 228" |
| 10 ft feed | 4 593 mm | 181" |
| 8 ft feed | 3 972 mm | 156" |
| Travel length | Metric | US |
| 14 ft feed | 4 242 mm | 167" |
| 10 ft feed | 3 026 mm | 119" |
| 8 ft feed | 2 411 mm | 95" |
| Feed extension | Metric | US |
| 14, 10 and 8 ft | 530 mm | 21" |

Hydraulic aluminum cylinder feed with hose guide and single drill steel support with moveable or fixed lower guide/dust hood.

Electrical system

| | |
|---------------------------------------|----------------------------|
| Voltage | 24 V |
| Batteries | 2 x 12 V (CCA 870A) 115 Ah |
| Alternator | 28 V, 110 Ah |
| Work lights, front | 2 X 18W LED |
| Work lights, rear | 2 X 18W LED |
| Work lights, feed | 2 X 56W LED |
| Display with diagnostics and settings | |

Hydraulic rock drill

| Rock drill | Boom type | Motor |
|------------|-----------|------------------|
| COP SC14 | Folding | 160 cc 200 cc |

Hydraulic system

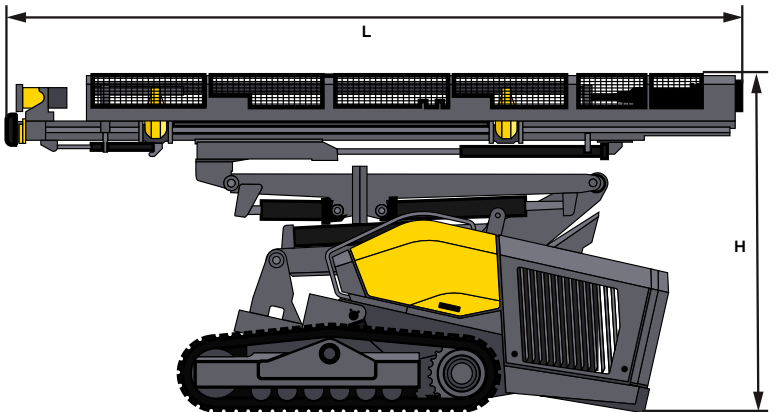
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| Anti-jamming | | |
| Rotation Pressure Control feed RPC-F | | |
| Damper Pressure Control - impact DPC-I | | |
| Return and drainage filters F (filtration rate) | | 10 µm absolute |
| Hydraulic oil cooler max ambient temperature | | 55°C 131°F |
| (Diesel engine preheater required at -15°C) | | |

Transport dimensions

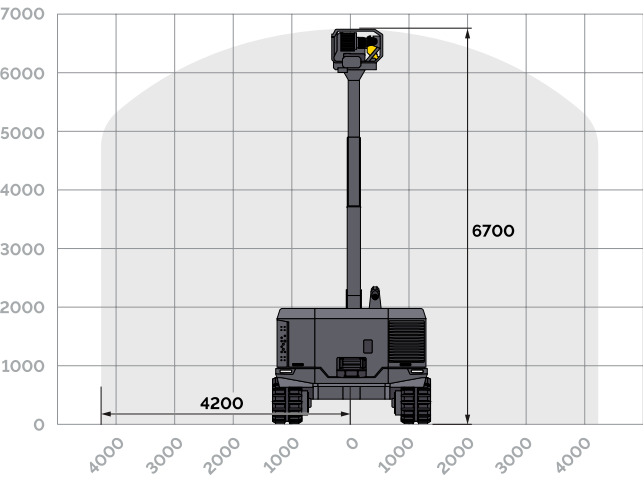
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| Height (H) | 2 880 mm (113") |
| Length (L) | 6 350 mm (250") |
| Width (W) | 2 445 mm (92") |

Feed length

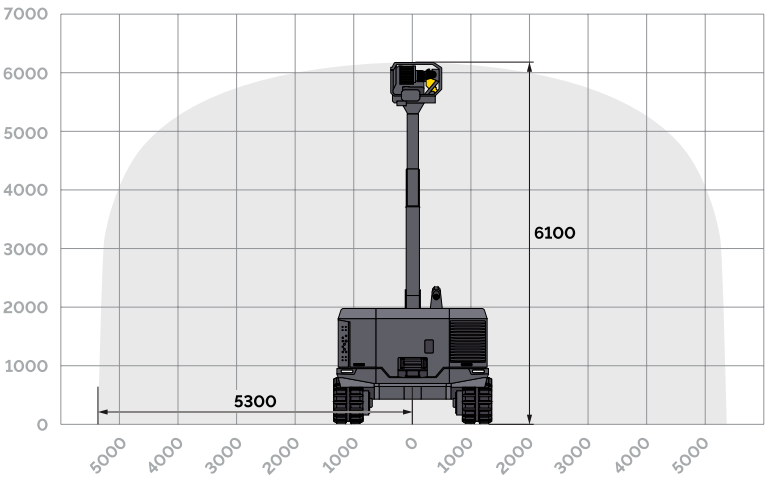
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| 8 ft feed (2.4 m) | 4 000 mm |
| 10 ft feed (3 m) | 4 600 mm |
| 14 ft feed (4.3 m) | 5 800 mm |



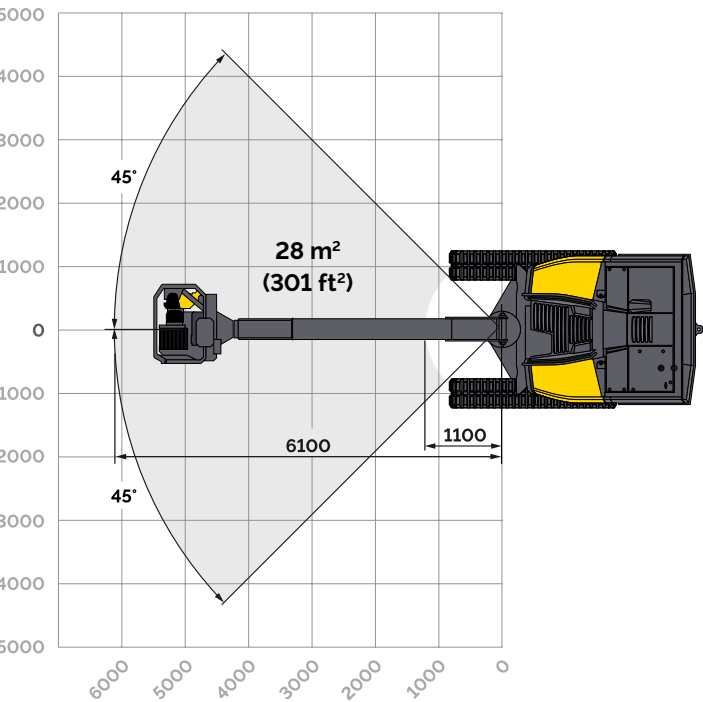
Vertical coverage area (mm) - 45/45



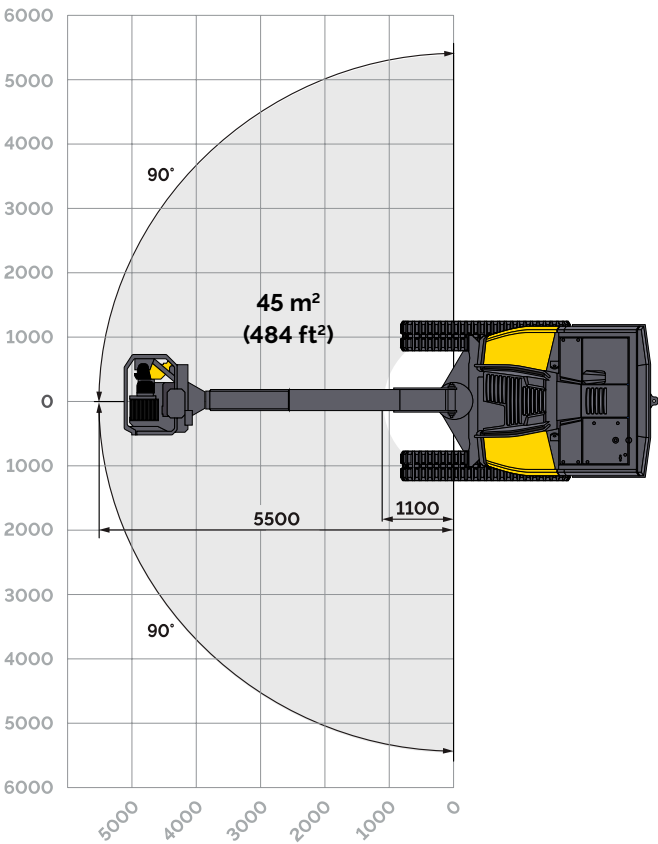
Vertical coverage area (mm) - 90/90



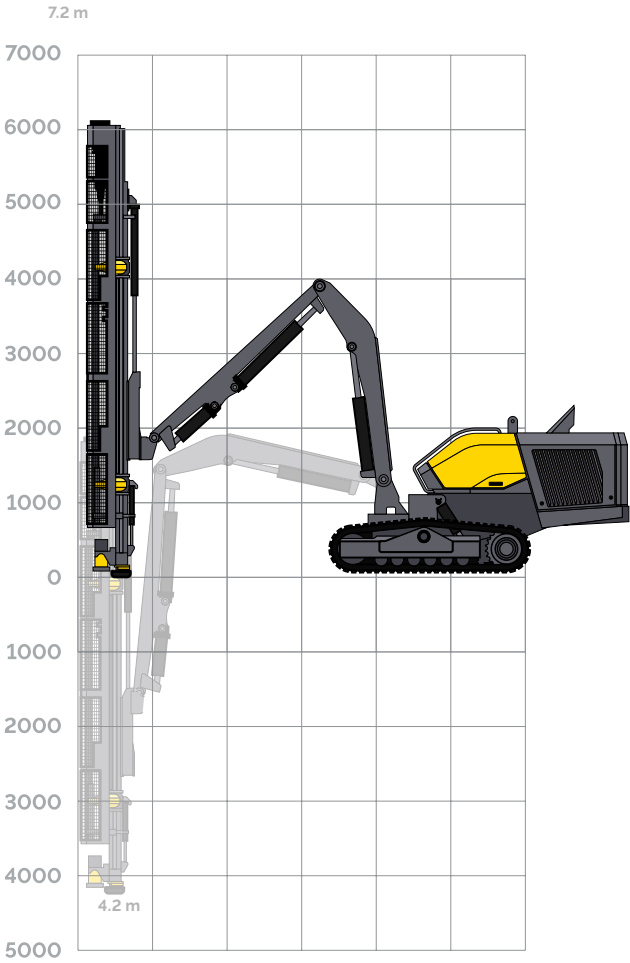
Horizontal drilling area (mm) - 45/45



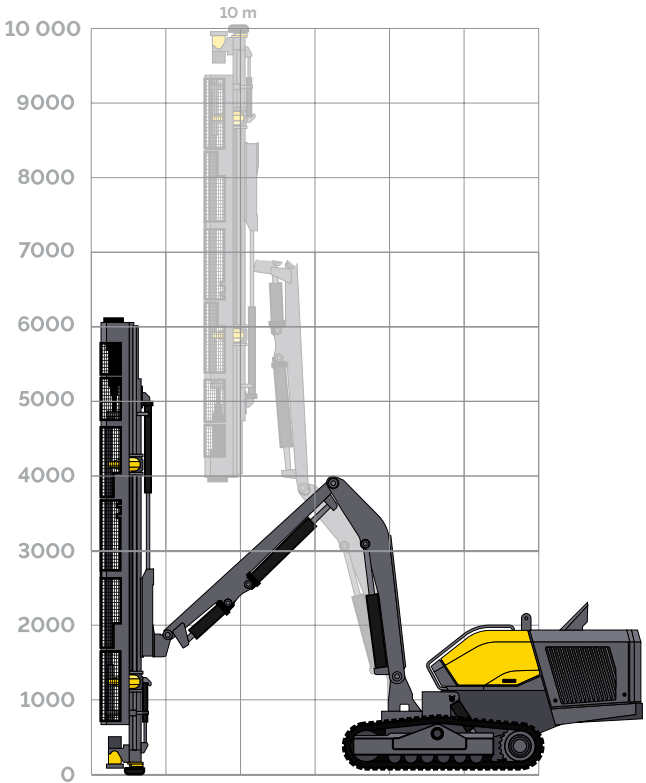
Horizontal drilling area (mm) - 90/90



Vertical reach downwards



Vertical reach upwards



(360° hydraulic roll-over)

Options list

Feed and boom

- Movable suction hood/drill-steel support
- 90 + 90° boom swing device
- Hydraulic roll-over
- Protection of Moving Parts (PoMP)
- Rock drill lubrication-oil collection-system (ECL)
- Rubber disc for DCT
- Rubber hood for DCT
- Noise reduction kit
- Thread lubrication system - ECG

Carrier

- Grind Matic RH4 — bit grinder
- Programable blast horn
- Central Lubrication System (CLS)
- Diesel-driven engine heater
- Electric fuel-filling system
- Hydraulic support leg
- Hydraulic winch
- Steel crawler tracks
- Rubber crawler tracks

Hole and inclination systems

- GPS compass aiming unit
- GNSS compasses for aiming, height control and hole logging

Additional options

- Spare radio transmitter (radio remote control)
- Hydraulic waterpump for waterflushing
- Water mist system with 150 L tank and hydraulic pump
- Water mist system with 50 L tank and hydraulic pump
- Extra lights
- Hydraulic AUX outlet
- Bag handling system for DCT

Additional options - not mounted

- Basic toolkit
- Conversion kit R32 (rigs with steel crawlers)
- Conversion kit SR32 (rigs with steel crawlers)
- First 50 hrs service kit for compressor
- Gas charging equipment for rock drill
- Lubrication kit
- Belt for radio remote control (RRC)/OU
- Parts book – hard copy

United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
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