

FlexiROC T30 R Quarry Edition

Surface drill rig for quarrying and construction

Hole diameter: 45–102 mm (1.8"–4.0")





Pioneering productivity

The FlexiROC T30 R quarry edition is a top hammer rig designed for tougher operations.

With a sturdy boom and feed, Radio Remote Control and excellent stability, the FlexiROC T30 R Quarry Edition delivers true productivity. Powerful enough to drill high benches, strong enough to overcome tricky geological conditions and with great terrainability, the rig allows you to take on tougher construction- and quarry operations.

⊕ Main benefits

Excellent rig stability means operator safety and productivity

High bench drilling thanks to great flushing capacity

Sturdy boom and feed means more power and straight holes

Availability at your fingertips

With a sturdy folding boom and good coverage that lets you drill more holes per set-up, the FlexiROC T30 R Quarry Edition delivers true productivity. It is all in your hands with the 2.4 Ghz bluetooth radio remote control.



+ Strong with high performance

The FlexiROC T30 R Quarry Edition is equipped with the well proven BMH 6000 feed beam used on the larger FlexiROC T35 & T40 cabin rigs. Supported by high flushing capacity, this makes it sturdy and strong enough to drill high benches in rough terrain. Thanks to our innovative boom link, toe hole drilling is also possible.



+ Reliable and efficient

The FlexiROC T30 R Quarry Edition meets stringent Tier 4 Final engine emissions standards. Self-adjusting RPM ensure great efficiency and low diesel consumption. FlexiROC T30 R Quarry Edition is equipped with the COP Logic system, which automatically adjusts impact and drill feed pressure to ensure optimal performance and increased service life of rock tools.



+ Safer than ever

The FlexiROC T30 R Quarry Edition excels even in difficult terrain where its low center of gravity provide rugged mobility in all conditions. With Radio Remote Control as standard, the operator has full control over tramming and drilling while working at a safe distance from the rig – ideal for sites with limited access or unstable terrain. The FlexiROC T30 R Quarry Edition can also be equipped with a hydraulic winch for secure anchoring on extreme slopes.



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
- Cummins turbo charged diesel engine QSB4.5 Tier 4 Final
- Epiroc screw type compressor
- Folding boom system
- Hydraulic rock drills COP SC19, COP SC16
- Alternative Rod Handling Systems, RHS
- Dust Collection System, DCT
- Radio Remote Control system with integrated display

Hole range (recommended)

Hydraulic carousel type Rod Handling System (RHS) with 3.6 m (12') rods and 4.3 m (14') starter rod						
Rock drill	Threads	Metric	US	Boom type	Metric	US
COP SC16	TC35E, T35E, T38E, T45E	Ø 45-89 mm	Ø 1.8"-3.5"	Folding boom	7.4 m (RAS)	24' (RAS)
COP SC19	T38E, T45E, T51E	Ø 76-102 mm	Ø 3.0"-4.0"		14.8 m (RHS)	48' (RHS)

Hydraulic rock drills

Rock drill	RPM, max	Torque, max	Hydraulic pressure, max		Boom type	Impact power		Impact rate	Weight approx		
COP SC16	135	1 550 Nm	1 143 lbf/ft	200 bar	Folding boom	16 kW	21.4 hp	55/73 Hz	184 kg	406 lb	
	215	1 070 Nm	789 lbf/ft	210 bar							3 046 psi
COP SC19	110	1 970 Nm	1 453 lbf/ft	200 bar	Folding boom	19 kW	25.5 hp	55-60 Hz	188 kg	414 lb	
	135	1 550 Nm	1 143 lbf/ft	200 bar							2 901 psi
	215	1 070 Nm	789 lbf/ft	210 bar							3 046 psi

Engine

Cummins QSB 4.5 turbo-charged diesel engine, Tier 4 Final/Stage 5	
Power rating at 2000 rpm	116 kW/155 hp
Electronic variable engine speed	870-2 030 rpm
Variable fan control	
Green saver – automatic low engine speed	

Electrical system

Voltage	24 V
Batteries	2 x 12 V, 185 Ah
Alternator	24 V, 70 Ah
Work lights, front	2 x 70 W halogen
Work lights, rear	2 x 70 W halogen
Work lights, feed	2 x 70 W
Display with diagnostics and settings	

Hydraulic system

Anti-jamming		
Rotation Pressure Control feed RPC-F		
Damper Pressure Control - impact DPC-I		
Return and drainage filters (filtration rate)	16 µm absolute	
Hydraulic oil cooler max ambient temp	50°C	122°F

Dust collector DCT

	Metric	US
Filter area	8 m ²	86 sq.ft
Suction capacity at 500 mm wg	580 l/s	1 228 cfm
Suction hose	Ø 102/127 mm	Ø 4/5"
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	Yes	
Number of filter elements	2 pcs	

Compressor

Atlas Copco OIS, screw compressor		Metric	US
Working pressure, max		8.5 bar	123 psi
FAD, at normal working pressure		95 l/s	201 cfm

Feed

Folding boom*	Metric	US
Total length	7 240 mm	23'9"
Travel length	4 240 mm	13'10"
Feed extension	1 200 mm	3'11"
Feed rate, max	0.9 m/s	3 ft/min
Feed force, max	16 kN	3 597 lbf
Tractive pull, max	20 kN	4 400 lbf

* Hydraulic aluminium cylinder feed with hose guide and double drill steel support with moveable lower guide/dust hood.

Volumes

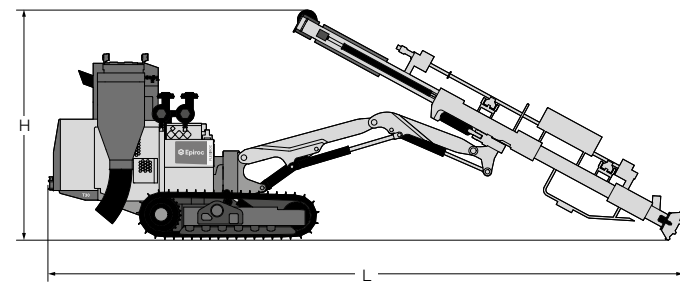
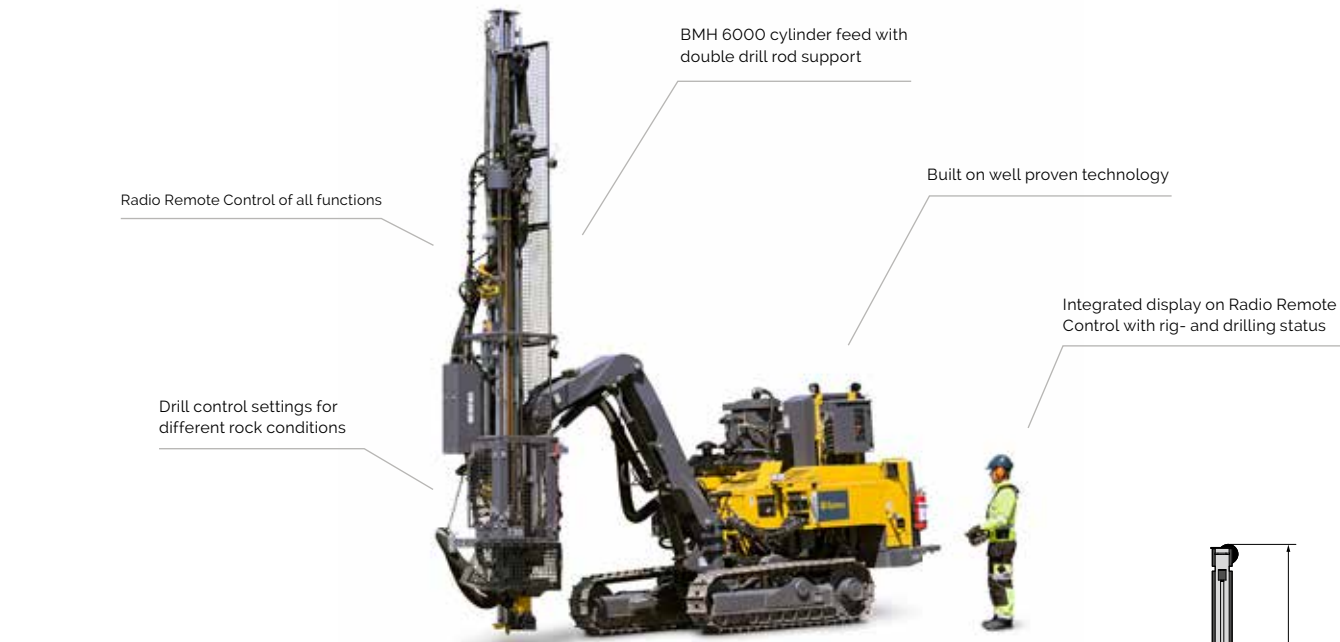
	Metric	US
Hydraulic oil tank	200 l	52.8 gal
Hydraulic system, total	250 l	66.0 gal
Compressor oil	20 l	5.3 gal
Diesel engine oil	11 l	2.9 gal
Diesel engine, fuel tank	270 l	71.3 gal
Traction gear	3 l	0.8 gal
Lubrication tank (ECL)	10 l	2.6 gal
AdBlue	15 l	4.0 gal

Sound*

A-weighted Sound Power Level, LwA				125 dB
A-weighted sound pressure level, LpA, calculated (distance from rig)				
10 m	97 dB	160 m	73 dB	
20 m	91 dB	320 m	67 dB	
40 m	85 dB	640 m	61 dB	
80 m	79 dB	1280 m	55 dB	

* The declared noise emission values should be combined with a measurement uncertainty of KpA-6 dB. The sum of declared measured value and the uncertainty value represent an upper limit of the range, in which measured values are likely to be included. The values were determined in accordance with the standards ISO 3744:2010 (for sound power level estimation), ISO 11203:1995 (for sound pressure calculation at different distances from the rig), ISO 11201:2010 (for operator cabin sound pressure level) and ISO 2631-1 (for whole body vibration).

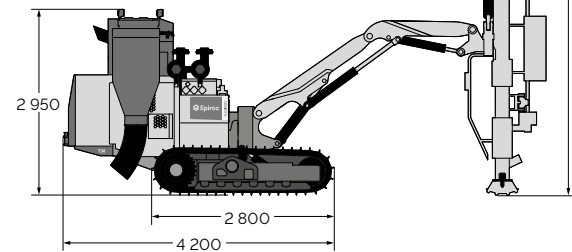
Technical specifications



Height and length

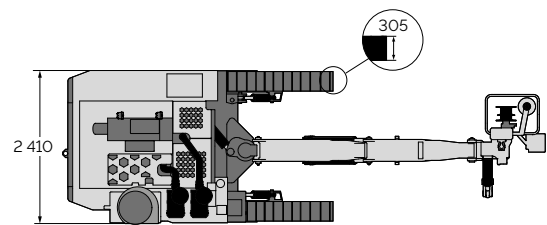
Folding boom	Metric	US
Height (H)	3 400 mm (2 950 mm*)	134" (116")
Length (L)	10 500 mm (10 100 mm*)	414" (398")
Extra long folding boom		
Height (H)	2 950 mm	116"
Length (L)	9 200 mm	362"

*Boom folded



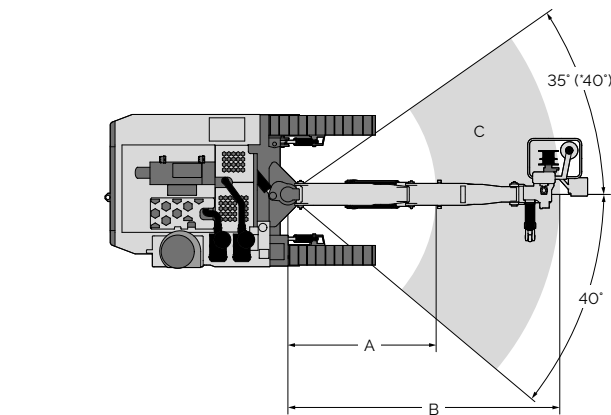
Feed height (H)

	Metric	US
Folding boom	7 250 mm	286"
Extra long folding boom	6 200 mm	244"



Weight

Standard unit excluding all options and drill rod	Metric	US
Folding boom	11 500 kg	25 350 lb
Extra long folding boom	10 000 kg	22 050 lb

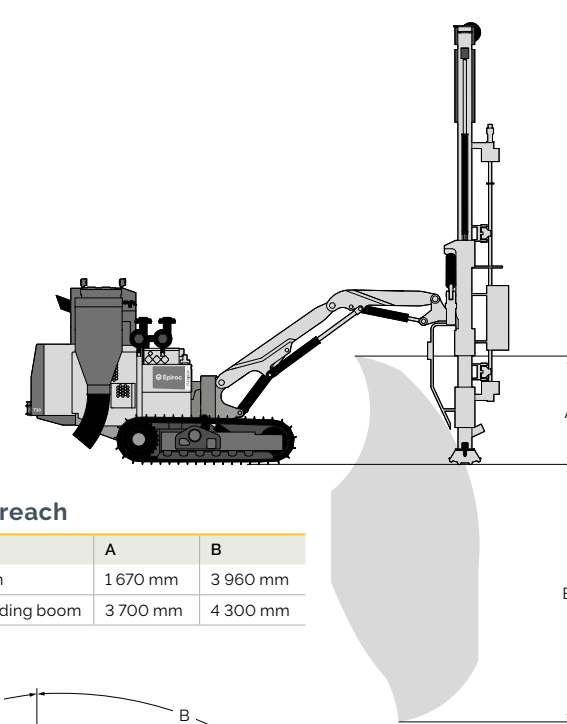


Horizontal reach/coverage area

	A	B	C
Folding boom	2 300 mm	4 000 mm	7 m ²
Extra long folding boom	2 600 mm	5 300 mm	15 m ²

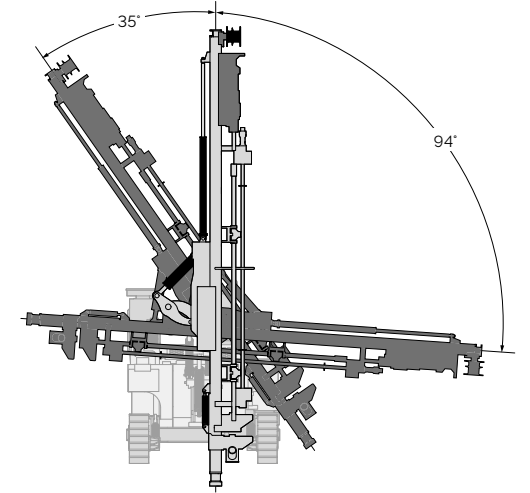
*Boom swing angle

Technical specifications

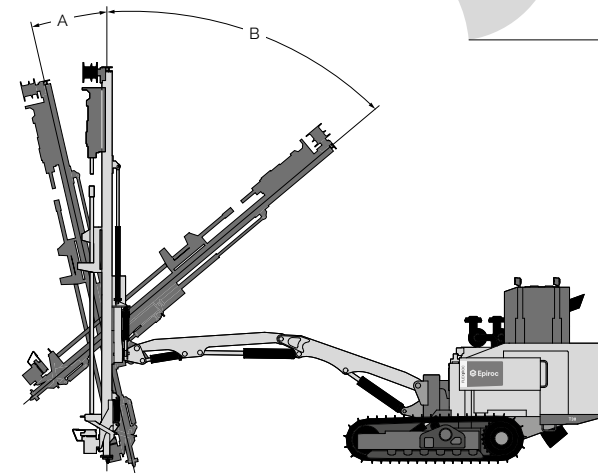


Vertical reach

	A	B
Folding boom	1 670 mm	3 960 mm
Extra long folding boom	3 700 mm	4 300 mm

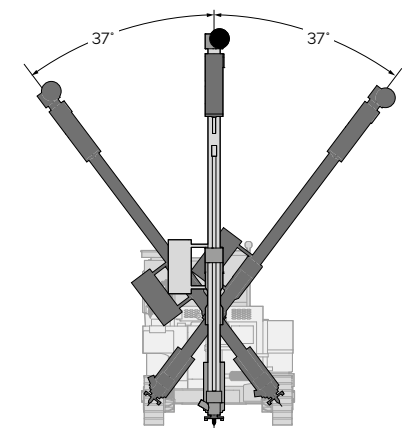


Normal position range in downwards directed and toe hole drilling (folding boom)



Dumping angles

	A	B
Folding boom	45°	50°
Extra long folding boom	13°	50°



Normal position range in downwards directed drilling (extra long folding boom)

Selection of options

Carrier

- Hydraulic support leg
- Hydraulic winch
- Cold start kit (-25 °C)
- Diesel engine pre-heater
- Extra LED work lights

Feed

- Silence kit for reduced noise levels.
- Sleeve retainer for RHS 51 (folding boom)
- Jaw set for R32/T38 sleeves for RAS arm
- Jaw set for T45 sleeves for RAS arm
- TDS guide tube guides for drill rod support (available for folding boom):
 - TDS 45 for 45 mm guide tube
 - TDS 56 for 56 mm guide tube
 - TDS 64 for 64 mm guide tube
 - TDS 76 for 76 mm guide tube

Hole measuring systems

- Mechanical hole inclination instrument - ROCANGIE
- Electronic hole inclination instrument with depth/sight/laser and auto feed alignment
- GPS aiming device

Lube oil and lube system

- Thread greasing devise, type ECG (with oil)
- Thread greasing device, brush type (with grease and for folding boom)
- Central lubrication system
- Tropical hydraulic oil, ISO VG 68
- Artic hydraulic oil, ISO VG 32
- Environmentally conformed hydraulic oil, ISO VG 46
- ECL collection system

Dust control

- Rubber disc for dust collector hood
- Rubber skirt for dust collector hood
- Water mist system including tank

Delivered equipment, not mounted

- Gas charging equipment for rock drill
- Conversion kit R32
- Conversion kit T38
- Conversion kit T45
- Conversion kit T35/TC35

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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