ROC L6(25) L6(30)

Master of quarry blast hole drilling

ROC L6(25) and L6(30) are high-capacity down-the-hole crawlers for quarry drilling in soft, medium and hard rock, with Atlas Copco screw type high pressure compressors that delivers compressed air at full 25 and 30 bar. With the powerful CAT C11 and CAT C13 diesel engines the ROC L6 not only provides power, but economy.

Main benefits

- Productivity beyond conventional rigs using DTH (Down-The-Hole hammers)
- Efficient utilisation of hammer capacity through a unique cylinder feed system
- Transport configuration which makes the rig ideal for single or multi site operations

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Technical specification

Recommended hole range ROC L6[25]

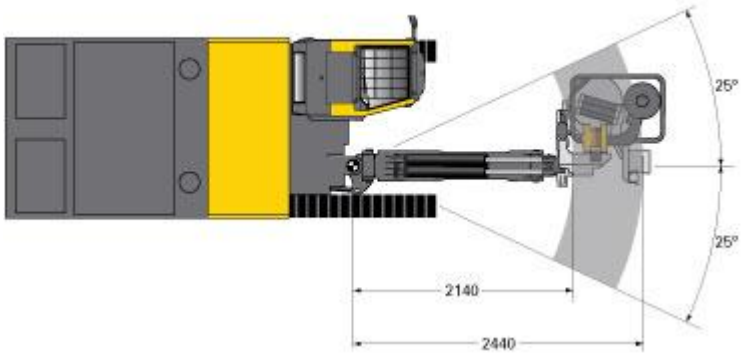
COP 34, COP 44	95-130 mm	3 $^{5}/_{8}$''-5 $^{1}/_{8}$''

Recommended hole range ROC L6[30]		
COP 34, COP 44, COP 54, COP 54GE	110-152 mm	4 1/3"-5 1/8"
Hole depth	45 m	148'
Atlas Copco XRX 10, two stage screw type compressor		
ROC L6[25]		
Working pressure, max.	25 bar	363 psi
FAD	295 l/s	625 cfm
ROC L6[30]		
Working pressure, max.	30 bar	435 psi
FAD	354 l/s	729 cfm
Engine		
ROC L6[25]		
Caterpillar turbo charged, diesel engine, CAT C11, Tier lll/Stage 3		
Rating at 1,800 rpm	287 kW	440 hp
ROC L6[30]		
Caterpillar turbo charged, diesel engine, CAT C13, Tier lll/Stage 3		
Rating at 1,800 rpm	328 kW	440 hp
Fuel tank		
Capacity	760 l	201 US gal.
Feed		
Feed length, total	11,560 mm	38'
Travel length	5,400 mm	17'7''
Feed extension	1,900 mm	6'3''
Feed rate max.	0.9 m/s	177 ft/min
Feed force, max.	40 kN	8,992 lbf
Tramming		
Tramming speed, max.	3.5 km/h	2.2 mph
Traction force	166 kN	37,310 lbf
Track oscillation	+10°	
Ground clearance	405 mm	16''
Transport dimensions		
Weight, excl. options	21,700 kg	47,900 lb
Length	10,700 mm	35'1''
Height	3,200 mm	10'6''

Noise and vibration levels

ROC L6(25) / L6(30)	
A-weighted sound power level in decibel (ref. 1pW) Single value declaration	127
A-weighted sound pressure level at work station in decibel (ref. 20 mPa) Double value declaration	80
Accurancy, KpA, in decibel	3
A-weighted sound pressure level at 1m distance in decibel (ref. 20 mPa) Double value declaration	NA
Accurancy, KpA, in decibel	NA
Weighted whole body vibration level (m/s^2) (Double value declaration)	0.3
Inaccuracy (m/s^2)	0.2

Coverage area


25°
25°
2140
2440