

ROC D3 RRC

Atlas Copco Breaks ground with New, Remote-Controlled Drill Rigs



The new ROC D3 RCC rigs not only enhance drilling performance and productivity, but also create a safer working environment in harsher, less stable terrain – which is where you most often rely on these rigs to perform. The ROC D3 RRC models in addition feature COP Logic, an advanced drill control system, to improve drilling performance and rock tool life.

Main benefits

- Safe working environment with full radio remote control of drilling and tramming.
- Excellent top hammer drilling performance and rock tool life in bad ground formations
- Accurate and fast, tramming and collaring ability in rough terrain

Technical specification

Recommended hole range (ROC D3-01)

R32, T38, T45	41-89 mm	1 ⁵ / ₈ "-3 1/2"
Hole depth	17.5 m	57'

Recommended hole range (ROC D3-03)

R32, T38	41-76 mm	1 ⁵ / ₈ "-3"
----------	----------	------------------------------------

Hydraulic rock drills

COP 1240

Impact power	12 kW	16 hp
COP 1640		
Impact power	16 kW	22 hp
Atlas Copco OIS, screw compressor		
ROC D3-01		
Working pressure, max.	8.5 bar	123 psi
FAD	95 l/s	201 cfm
ROC D3-03		
Working pressure, max.	8.5 bar	123 psi
FAD	80 l/s	170 cfm

Engine

Cummins turbo charged, diesel engine, QSB4.5, Tier III/stage 3

Rating at 2,000 rpm 116 kW 156 hp

Boom variants

Folding boom system -01

Long folding boom system -03

Transport dimensions

ROC D3-01

Weight, excl. options 10,500 kg 23,150 lb

Width 2,390 mm 7'10"

Length 10,050 mm 33'

Height 3,600 mm 11'10"

ROC D3-03

Weight, excl. options 9,500 kg 20,950 lb

Width 2,400 mm 7'10"

Length 10,050 mm 33'

Height 2,900 mm 9'6"

ROC D3RRC	
A-weighted sound power level in decibel (ref. 1pW) Single value declaration	126
A-weighted sound pressure level at work station in decibel (ref. 20 mPa) Double value declaration	NA
Accuracy, KpA, in decibel	NA
A-weighted sound pressure level at 1m distance in decibel (ref. 20 mPa) Double value declaration	105
Accuracy, KpA, in decibel	6
Weighted whole body vibration level (m/s ²) (Double value declaration)	NA
Inaccuracy (m/s ²)	NA

Noise and vibration levels

Atlas Copco Breaks Ground with New, Remote-Controlled Drill Rigs The ROC D3-01 RRC and the ROC D3-03 RRC

Atlas Copco, the world's largest supplier of surface drilling equipment for all applications in mining and construction, announces the launch of two additional rock drill rigs with built-in radio remote control (RRC) systems: the ROC D3-01 RRC and the ROC D3-03 RRC.

The new ROC D3 RRC rigs not only enhance drilling performance and productivity, but also create a safer working environment in harsher, less stable terrain – which is where you most often rely on these rigs to perform,” says Hakan AYTEKIN, Product Manager at Atlas Copco.

The RRC system in the new ROC D3 RRC models has been designed based on the reliable RRC systems found in the ROC T15 rig and the ROC D7 and D9 rigs from Atlas Copco. The ROC D3 RRC models in addition feature COP Logic, an advanced drill control system, to improve drilling performance and rock tool life.

The ROC D3-01 RRC

The rod handling system on the 01 model capably manages up to five 3.66 m rods. The 01 rig can be equipped with the R32, T38 and T45 drill steels. The Atlas Copco compressor on the 01 model has a free air delivery capacity of 95 l/s.

The ROC D3-03 RRC

The 03 model has a long folding boom with an optional rod rack for manual rod adding and an optional rod adding system to enable the addition of a single extension rod. The 03 rig can be equipped with the R32 and T38 drill steels. The Atlas Copco compressor on the 03 model has a free air delivery capacity of 80 l/s.

Both new ROC D3 RRC models are powered by a 116 kW Cummins engine and offer two rock drill options: the 12 kW COP 1240 and the 16 kW COP 1640.

Coverage area

