

# Atlas Copco ROC D7

The new "ROC Power Generation" stands for powerful engines, good flushing capacity and flexible booms with extra long reach.

The ROC series of crawler drill rigs has earned a reputation for the ability to drill holes in the most inaccessible of places. The hydraulic winch on the D7 now makes this even easier.

Atlas Copco brings you the ROC D7 with more power and strength than any earlier crawler of its size. ROC D7 is a tophammer drill rig with the smooth aluminium cylinder feed-system. Both compressor and the Deutz/Caterpillar engine provide enough power to drill straight and fast – this gives you maximum economy.

Atlas Copco presents the ROC D7 with or without cabin:

- A state of the art cabin with air conditioning, drilling controls in the armrest, and a perfect view both in tramping and collaring.
- Heavy duty tracks for safe and fast tramping across the site.
- Deutz diesel engine with 152 kW.
- Atlas Copco screw type compressor 105 l/s.
- ROC D7 has the powerful COP 1838 Rock drill.

ROC D7 - A member of "ROC The Power Generation".



**ROC**  
**The Power Generation**

**Atlas Copco**

## Technical data ROC D7

### Recommended hole range

T 38, T45	64 -102 mm
Hole Depth	approx. 28 m

### Engine

Deutz, water-cooled diesel engine, BF6M 1013EC	
Rating at 2200 rpm	152 kW
Caterpillar, water-cooled diesel engine, CAT 3116DITA,	
Rating at 2200 rpm	147 kW

### Hydraulic rock drill

COP 1838ME/HE	
Impact power, max.	20 kW
Hydraulic pressure, max.	230 bar
Impact rate	38-48 Hz
Torque, max.	2 600 Nm
Weight, approx	171/253 kg

### Compressor

Atlas Copco, screw type compressor C106	
Working pressure, max.	at 10,5 bar
FAD	105 l/s

### Fuel tank

Capacity	280 l
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### Feed

Feed length, total	7 140 mm
Travel length	4 240 mm
Feed extension	1 400 mm
Feed rate, max.	0,92 m/s
Feed force, max.	20 kN
Coverage area	15-17 m <sup>2</sup>

### Tramming

Tramming speed, max.	3,6 km/h
Traction force	110 kN
Hill climbing ability	20° (winch 30°)
Track oscillation	±12°
(Max lateral angle ±10°, longitudinal ±20°)	
Ground clearance	450 mm

### Transport dimensions

Total weight, optional equipment excluded	
approx.	12 100 kg
cab-version	13 000 kg
Width	2 390 mm
Length	11 000 mm
Height	3 100 mm



### Standard equipment

- Rodhandling for 28 m
- Swing-arm for drilling controls
- Double drill steel support
- Fuel saving device
- Toe-hole drilling kit (standard with RHS system)
- Two-speed traction motors
- Dust collector
- Feed extension
- Air flow control switch
- Anti jamming system
- Reduced impact and air pressure mechanism for collaring
- Extractable suction hood
- Heavy duty tracks
- Hydraulic support leg
- Work lights

### Cabin version

- Operator's cabin, ROPS and FOPS approved

### Optional equipment

- Preseparator, DPS 12,
- Thread greasing device with brushes
- Thread greasing device (ECG)
- Hydraulic winch
- Sleeve retainer
- Engine pre-heater
- Central lubrication system
- Mechanical inclination instrument
- Electric refuelling pump
- Water mist system

### Cabin version

- Air conditioner, heater
- Cabin heating
- Heated cabin chair
- Tinted windows
- Laminated windows
- Electronic hole inclination instrument
- Electronic hole depth instrument

**Atlas Copco**

**Total Rock Drilling Technology**

Illustrations in this brochure may show equipment with optional extras. Specifications and equipments subjects to change without notice. Consult your Atlas Copco sales company for specific information.