

# Atlas Copco ROC F7

Setting a new standard

Recommended hole range: 76–115 mm, 3"–4½"



**Atlas Copco**

# Technical Data ROC F7

**Recommended drill bit diameters:  
76–115 mm, 3"–4 1/2"**

**Compressor**

Atlas Copco, screw type compressor		
Working pressure	10,5 bar	152 psi
FAD	143 l/s	303 cfm

**Engine**

Mercedes Benz watercooled diesel OM441A		
Rating at 2000 rpm	170 kW	230 HP

**Fuel tank**

Capacity	400 l approx. 100 gal.	
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**Feed**

Feed length tot.	8 100 mm	26'7"
Travel length	4 770 mm	15'8"
Feed rate, max.	0,92 m/s	180 ft/min
Feed force, max.	20 kN	4 500 lbf

**Tramming**

Travel speed, max.	3,6 km/h	2,2 mph
Traction force	112 kN	25 200 lbf
Hill climbing ability, without winch	20°	20°
Hill climbing ability, with winch	35°	35°
Track oscillation	±10°	±10°
Ground clearance	405 mm	16"

**Hydraulic rock drill**

**COP 1838HE, COP 1840HE, COP 1850**

Impact power	20 kW	26,8 HP
Working pressure max.	230 bar	3 335 psi
Torque	980 Nm	722 lbf.ft
Weight approx.	190 kg	420 lb
Includ. hydr.drill steel extractor approx.	250 kg	550 lb

**Transport dimensions**

<b>Length</b>		
folding boom version	10 850 mm	35'6"
single boom version	11 000 mm	36'
<b>Width</b>		
	2 420 mm	8'
<b>Height</b>		
folding boom version	3 500 mm	11'6"
single boom version	3 350 mm	11'
<b>Weight</b>		
folding boom version	15 700 kg	34 600 lb
single boom version	15 100 kg	33 300 lb



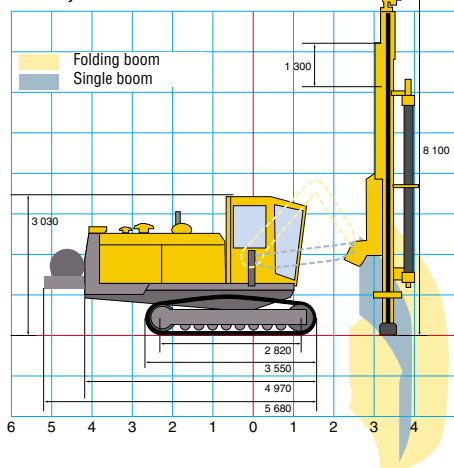
**Standard equipment**

- Reduced impact pressure mechanism
- Antijamming system
- Automatic feed force control (RPC-F)
- Fuel saving device
- Two-speed traction
- Dust collector and pre-separator
- Double hydraulic drill steel support
- Rod handling system (7+1 rods)
- Feed extension
- Heavy duty tracks
- Operator's cabin, ROPS and FOPS approved
- Air flow control switch

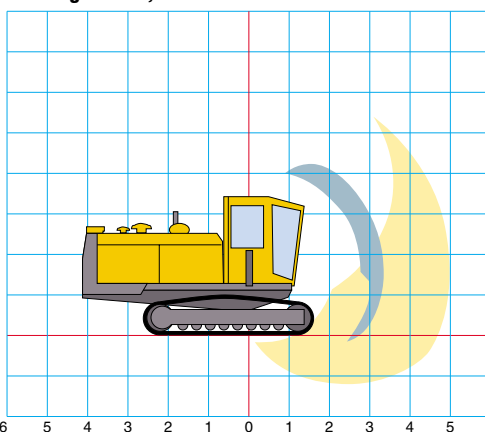
**Optional equipment**

- Hydraulic winch
- Hydraulic support leg
- Electric refuelling pump
- Anti-freeze equipment for compressed air
- Air conditioning, heater
- Electronic hole depth and inclination instrument
- Central lubrication system
- Water mist system
- TAC tube guides for precision drilling
- Thread greasing device

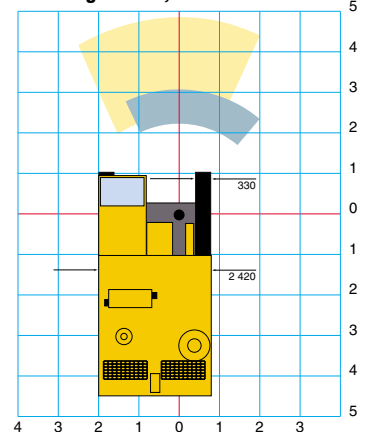
**Reach, vertical**



**Coverage areas, with horizontal feed**



**Coverage areas, with vertical feed**



**TOTAL ROCK DRILLING TECHNOLOGY®**

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

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