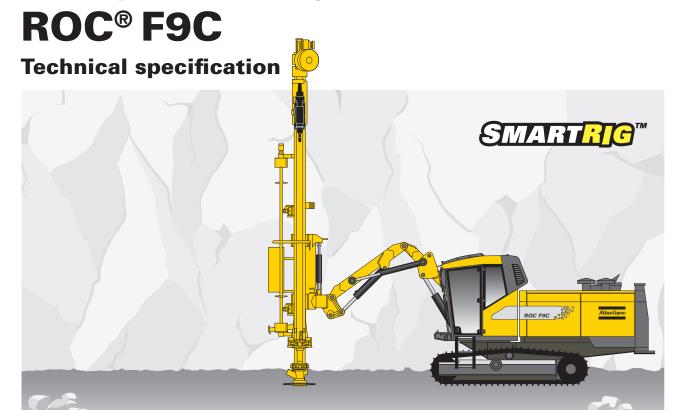
Atlas Copco Surface drill rigs



Powerful tophammer rig with SmartRig intelligence

- The total solution from planning and drilling to full documentation
- · Combined high strenght, productivity and hole quality thanks to outstanding drill system efficency
- Trouble free high productivity operation

ROC F9C is intended for construction sites, quarries for construction and aggregate quarries. The main components are:

- RCS, computerized Rig Control System
- Crawler type two speed undercarriage with track oscillation system
- Caterpillar turbo charged diesel engine CAT C9
- Stepless fuel saving RPM regulation system
- Atlas Copco screw type compressor
- Hydraulic cooling system for 50° C ambient temperature
- Combined warning sound and warning light
- Single section boom or folding boom system
- Hydraulic chain feed system with hose guide
- Hydraulic rock drill COP 2560

- Rock drill lubrication system
- Reduced impact pressure mechanism
- Anti-jamming system
- Automatic feed force control
- Manometer panel for setting of pump circuits
- Toe-hole drilling system
- Carousel type tube handling system
- Hydraulic double drill steel support with movable dust collector hood
- Dust collection system

Hole range						
Recommended hole range						
ROC F9C	T45, T51 89-127 mm 3 ½"- 5"					
Hydraulic rod adding system for max hole depth, with 4,3 m (14') extension rods						
ROC F9C Single-section boom	T45, T51 33 m 1		108′			
Hydraulic rod handling system for max hole depth, with 3,6 m (12') extension rods						
ROC F9C Folding boom	T45, T51	28 m	92'			



Specifications

Engine

Feed

Hydraulic chain feed with hose guide and double drill steel support with movable lower guide/dust hood

ust noou	
1 150 mm	3'9"
0.92 m/s	180 ft/min
20 kN	4 500 lbf
30 kN	6 750 lbf
8 360 mm	27'5"
5 110 mm	16'9"
7 700 mm	25'3"
4 610 mm	15'2"

Dust collector DCT 150 F

• Filter area	15 m ²	164 sq.ft
• Number of filter elements	15 pcs	•
• Suction capacity at 500 mm wg	350 l/s	741 cfm
Suction hose diam		5"
Cleaning air pressure, max	8 bar	116 psi
Cleaning air consumption	2-4 l/pulse	4-8 cfm

Safety cabin

- ROPS and FOPS approved with rubber vibration dampers
- 2 x wipers with washer
- Clear laminated glass (front and roof windows)
- Clear toughened glass (side and rear windows)
- Fully adjustable operator's seat
- · Adjustable foot rest
- Cabin light
- · Rig inclination indicator
- Rear view mirror
- \bullet Fire extinguisher, 6 kg (13 lbs) dry chemical type ABE class III type
- · Outlet socket, 24 V
- Prepared with speakers for CD-radio
- Combined front mounted platform/tool box
- Electric combined engine, hole inclination with aiming unit, and hole depth instrument

Air conditioner

- Dafricanant	D124-	
Refrigerant		
Cooling capacity	5,5 kW	
• Fan suction capacity	125 l/s	265 cfm

Compressor

Atlas Copco M-01, screw type compressor		
Working pressure, max	12 bar	175 psi
• FAD, at normal working pressure	213 l/s	450 cfm

Hydraulic system

Hydraulic oil cooler • Max ambient temperature	50°C	122°F			
Pumps					
• Axial piston pump (1)	190 l/min	50 US gal/min			
• Gear pump (2)	72 l/min	19 US gal/min			
• Gear pump (3)	38 1/min	10 US gal/min			
• Gear pump (4)	34 l/min	8.9 US gal/min			
• Gear pump (5)	33 1/min	8.6 US gal/min			
• Gear pump (6)	33 1/min	8.6 US gal/min			
Return and drainage filters (2 x 3 filt					
• Filtration rate					

Electrical system

Voltage	24 V
Batteries	
Alternator	
Work lights, front	4 x 70 W
Work lights, rear	
• Work lights, feed	

• Warning lamp and reverse buzzer

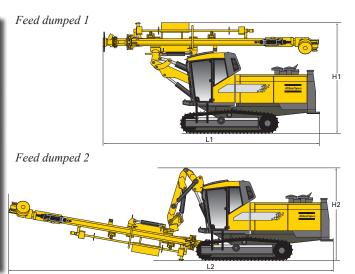
Volumes

Hydraulic oil tank	300 1	80 US gal
• Hydraulic system, total		100 US gal
Compressor oil		10.6 US gal
• Diesel engine oil	32 1	8.5 US gal
• Diesel engine, cooling water	60 1	16 US gal
• Diesel engine, fuel tank	400 1	106 US gal
Traction gear	3 1	0.8 US gal
• Lubrication tank (ECL)	5 1	1.3 US gal

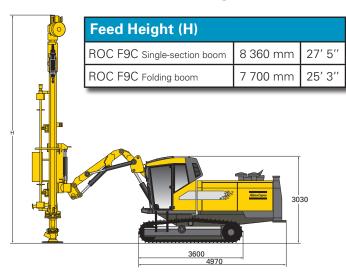
Hydrauli	c rock drill									
Rock drill	Drill rig	Impact	power	Hydraulic p	ressure, max	Impact rate	Torqu	e, max	Weight	approx
COP 2560	ROC F9C	25 kW	33.5 HP	230 bar	2 225 mai	44.11-	1 810 Nm	1 335 lbf/ft	187 kg	412 lb
COP 2560EX		25 KVV	33.5 HP	230 bar	3 335 psi	44 Hz	I 8 I U INITI	1 335 101/11	249 kg	549 lb

Transport dimensions

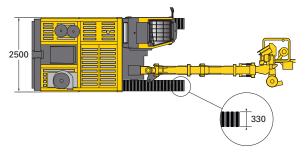
Hight and length						
Feed dumped 1						
ROC F9C Single-section boom	Height (H1)	3 800 mm	12′ 6′′			
ROC F9C Single-section boom	Length (L1)	12 300 mm	40′ 4′′			
ROC F9C Folding boom	Height (H1)	3 500 mm	11′ 6′′			
ROC F9C Folding boom	Length (L1)	11 300 mm	37′			
Feed dumped 2	Feed dumped 2					
ROC F9C Single-section boom	Height (H2)	3 200 mm	10′ 6′′			
ROC F9C Single-section boom	Length (L2)	12 300 mm	40′ 4′′			
ROC F9C Folding boom	Height (H2)	3 200 mm	10′ 6′′			
ROC F9C Folding boom	Length (L2)	13 000 mm	42'8''			



Dimensions and weight



Weight					
Standard unit excluding all options and drill steel					
ROC F9C Single-section boom	16 400 kg	36 150 lb			
ROC F9C Folding boom	16 600 kg	36 600 lb			



Selection of optional equipment

- Track chains with triple grouser pads
- Hydraulic support leg
- Hydraulic winch including wire with towing eye and wire guide, remote controlled
- Heavy duty air intake filters for engine/compressor
- Electric refuelling pump
- Diesel engine pre heater
- Insulated compressor regulation
- Xenon work lights, 2 pcs on top of cab pointing forward and
- 2 pcs on top of canopy pointing to the rear
- ProCom satellite based drill rig monitoring system (only in combination with a written service agreement)

Safety cabin

- · Clear laminated glass (front window and roof)
- Tinted toughened glass (side window and rear)
- Sun shade kit (rear side
- windows and rear window) · Wiper for right hand side
- window
- Cab heating
- Electric heated operator's seat
- Radio/CD

Feed

- TAC guide tube guides for drill steel support
- TAC 76 for 76 mm guide tube
- TAC 89 for 89 mm guide tube
- · Feed foot extension

SmartRig upgrading functions · Laser receiver upgrading kit

- · Automatic feed alignment
- Hole Navigation System (HNS)
- · GPS compass aiming device

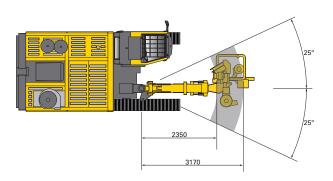
Lube oil, lube system and water mist system

- · Central lubrication system, type Lincoln
- · Thread greasing device, ECG (with oil)
- Thread greasing device, brushes (with grease)
- Artic hydraulic oil, VG 32
- Tropical hydraulic oil, VG 68
- Biological hydraulic oil, VG 46
- · Water mist system with a 225 l pressurized water tank

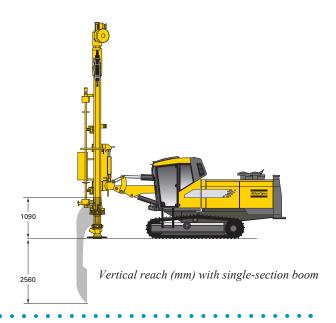
Delivered equipment, not mounted

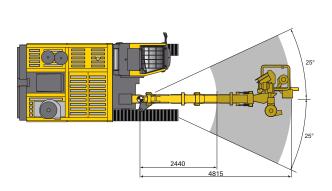
- · Gas charging equipment for rock drill
- First 50 hours service kit for compressor
- Conversion kit for T45 drill
- · Conversion kit for T51 drill steel

Coverage areas

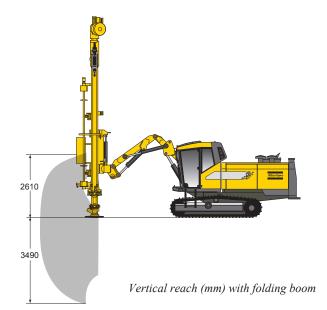


Horizontal reach (mm) with single-section boom

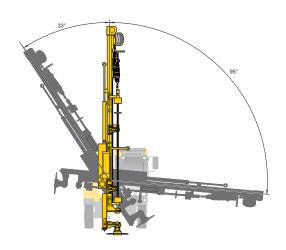




Horizontal reach (mm) with folding boom



Feed swing angles



With single-section boom and folding boom - toe-hole drilling kit (standard)

