

ROC F7CR SURFACE DRILL RIGS

TECHNICAL SPECIFICATION



**Two powerful COPROD® rigs for drilling
straight holes fast**

Hole range 90 mm - 107 mm (3½" - 5")

Recommended hole range

COPROD 76 mm	90-105 mm	3 1/2"-4 1/8"
COPROD 89 mm	105-127 mm	4 1/8"-5"
Hole Depth	30 m	98'

Compressor

screw type compressor

ROC F7CR

Working pressure, max.	10.5 bar	152 psi
FAD	148 l/s	314 cfm

ROC F9 CR

Working pressure, max.	12 bar	175 psi
FAD	210 l/s	445 cfm

Engine**ROC F7CR**

Caterpillar, diesel engine, CATC7

Rating at 2000 rpm	186 kW	253 HP
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ROC F9CR

Caterpillar, diesel engine, CATC9

Rating at 2000 rpm	224 kW	304 HP
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Fuel tank

Capacity	400 l	106 US gal.
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Feed

Feed length, total	8 100 mm	267"
Travel length	4 770 mm	158"
Feed extension	1 300 mm	43"
Feed rate, max.	0.92 m/s	180 ft/min
Feed force, max.	20 kN	4 500 lbf

Tramming

Tramming speed, max.	3.6 km/h	2.2 mph
Traction force	112 kN	25 200 lbf
Hill climbing ability	20°	
Track oscillation	±10°	
Ground clearance	405 mm	16"

Hydraulic rockdrill**ROC F7CR**

COP 2150CR

Impact power, max.	21 kW	28.1 HP
Hydraulic pressure, max.	210 bar	3 045 psi
Impact rate	36 Hz	
Torque, max.	3 960 Nm	2 920 lbf/ft
Weight, approx.	242 kg	533 lb

ROC F9CR

COP 2550CR

Impact power, max.	25 kW	33.5 HP
Hydraulic pressure, max.	230 bar	3 335 psi
Impact rate	44 Hz	
Torque, max.	3 960 Nm	2 920 lbf/ft
Weight, approx.	242 kg	533 lb

Transport dimensions

Weight, optional equipment excluded

ROC F7CR, approx.	15 800 kg	34 800 lb
ROC F9CR, approx.	17 300 kg	38 100 lb
Width	2 490 mm	8'2"
Length*	12 300 mm	40'4"
Height*	3 200 mm	10'6"

* Feed damped

Standard equipment

Tube handling system with permutation capacity of 8 COPROD-sections

Fuel saving device

Two-speed traction

Cab windows tinted

Engine pre-heater

Dust collector and pre-separator

Feed extension

Operator's cabin, ROPS and FOPS approved

Air conditioner, heater

Electronic hole depth and hole inclination instrument

Air flow control switch

Anti jamming system

Automatic impact stop

Reduced impact and air pressure mechanism for collaring

Break-out table

Electric refuelling pump*

Extractable suction hood

Extractable drill tube support

Heavy duty tracks

Hydraulic support leg*

Toe-hole drilling kit

Water mist system excl. tank

* option on F9CR

Optional equipment

Central lubrication system

TED extracting unit

Track chains with triple grouser pads

Transport position