

Technical data

Weight (without drill steels)

ROC F9CR (excl. optional equipment) Weight 16 300 Kg

Performance

Diesel engine, Caterpillar C9

Output at 2000 rpm	224 kW
Temperature range during operation	-25°C till +50°C
Tramming speed, max	3.6 km/h
Tractive force	112 kN
Ground pressure, average	0.085 N/mm ²
Ground clearance	405 mm
Track oscillation	±10°
Noise level (inside cab)	81.2 dB(A)
Noise level (outside cab)	
Idling (1500 rpm)	109.1 dB(A)
Max. engine speed (2100 rpm)	117.0 dB(A)
Drilling (2000 rpm)	122.9 dB(A)
Vibration in operator's seat during drilling (weighted average)	0.05 m/s ²

Permitted tilt angles

Angles of inclination - tramming (in direction):	
Downward/Upward, max.	20/20°
Laterally, max.	20/20°
Angles of inclination - drilling:	
Longitudinally, max. (Upward/Downward)	20/20°
Laterally in extreme cambers, max. (Left/Right)	18/2°

Hydraulic system

Hydraulic oil cooler for max. ambient temperature	+50°C
Hydraulic pressure, max.	250 bar

Electrical system

Voltage	24 V
Batteries	
Voltage	2 * 12 V/170 Ah
Working lights	
Voltage	24 V
Rating	6 * 70W
Generator	
Voltage	28V/95 Ah

Air system

Compressor:	Screw compressor: Size 1.5 long (XAHS 236MD)
Max. Air pressure	12 bar
Free air delivery at 10.5 bar	208 l/s

Capacities

Hydraulic oil tank level	300 l
Hydraulic system, total	380 l
Fuel tank	400 l
Tramming gear	3 l
Compressor oil	40 l
Lubricating oil tank (+ECL)	2 * 5 l

Diesel engine

Caterpillar, C9	34 l
Engine cooling system	50 l

Hydraulic rock drill ROC F9CR
COP 2550CR

Impact effect, max.	25 kW
Hydraulic pressure, max.	230 bar
Torque, max.	3960 Nm
Weight, approx.	242 kg

Normal values CAT C9

	Nominal	Max.	Min.
Engine oil pressure (bar):	4.05	6.0	2.5
Fuel pressure (bar):	5.35	5.51	5.19
Turbo pressure (bar):	1.42	1.56	1.28
Engine temperature (°C)	91	99	83.2
Power output (kW, shown as percent on display):	224	230.7	217.3

Miscellaneous

Fire extinguisher A-B-C powder	2 * 6 kg
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