

Atlas Copco Surface Drill Rig **ECM 580**



Small in size – big in performance

Hole range 64 mm - 102 mm (2½" - 4")

Atlas Copco

Technical data ECM 580		
Recommended hole range		
Hole range	64-102 mm	2½"- 4"
Drill steel dimensions	T38, T45	
Rod handling capacity		
Hole depth	25 m	82'
Hydraulic rock drill		
YH80		
Impact power, max.	16.5 kW	22 HP
Rotation speed	0 - 150 rpm	
Torque, max.	578 Nm	427 lbf/ft
Engine		
Cummins B5.9CA		
Rating at 2300 rpm	127 kW	170 HP
Emission control level	Stage 1	Tier I
Fuel tank		
Capacity	290 l	~77 US gal.
Compressor		
Working pressure, max.	9 bar	128 psi
FAD	115 l/s	245 cfm
Boom variant		
Type	Extendible	
Feed		
Feeding system	Chain	
Feed length, total	7 380 mm	24'2"
Travel length	4 250 mm	14'
Feed extension	1 500 mm	4'11"
Feed rate, max.	0.7 m/s	132 ft/min
Feed force, max.	19.6 kN	4400 lbf
Pull force, max	19.6 kN	4400 lbf
Tramming		
Tramming speed max.	3 km/h	1.86 mph
Traction force	78.5 kN	17 640 lbf
Hill climbing ability	30° (In CE 20°)	
Track oscillation	±9°	
Ground clearance	420 mm	16,5"
Transport dimensions, approximately		
Weight (exkl. optional equipment)	10.5 tonnes	23.150 lb
Width	2.42 m	8'
Length	9.20 m	30'3"
Height	3.30 m	10'10"

Standard equipment

- Limited ambient temperature: 52 deg. C
- Rod handling system prepared for 5 x 3 660 m T45 rods with 63 mm couplings
- Track chains with triple grouser pads
- Full length track guard
- Work lights
- Back Up Alarm
- Warning horn
- Engine auto throttle
- Cab
- Cab air conditioning system
- Back mirror
- Inclinometer instrument in Cab
- Safety shutdown device on feed
- Rod handling system
- Vertical sliding dust hood
- Dust collector
- Percussion hour meter
- Smooth drilling system
- Anti-jamming system
- Thread greasing device, spray system
- JIC hydraulic hose couplings
- Low level indicator for fuel and hydraulic oil
- Gas charging equipment (for rock drill)
- Standard tool kit
- First 50 hrs service kit for compressor

Selection of optional equipment

- Rod handling system prepared for 5 x 3 660 m T38 rods with 55 mm couplings
- Rod handling system prepared for 5 x 3 660 m T45 rods with 66 mm couplings
- Anti Freezing System
- Angle indicator 2-D Lim
- Angle indicator 3-D Lim
- Water mist system (tank included)
- Water mist system (exclusive tank)
- Rod handling lockout system
- Dust pre-separator
- Super rotation system
- Reverse percussion system
- Conversion kit T45 63 mm sleeves to 66 mm sleeves
- Hydraulic pressure test kit