

Atlas Copco Surface Drill Rig **ECM 660IV**



Combining simplicity with good hole quality

Hole range 76 mm - 115 mm (3" - 4½")

Atlas Copco

Technical data ECM 660IV		
Recommended hole range		
Hole range	76-115 mm	3"-4½"
Drill steel dimensions	T45, T51	
Rod handling capacity		
Hole depth	25 m	82'
Hydraulic rock drill		
Montabert / HC158		
Impact power, max.	21 kW	28 HP
Rotation speed	0 - 170 rpm	
Torque, max.	1225 Nm	900 lbf/ft
Engine		
Cummins / QSC 8.3		
Rating at 2200 rpm	194 kW	260 HP
Emission control level	Stage 3	Tier III
Fuel tank		
Capacity	400 l	~106 US gal.
Compressor		
Working pressure, max.	10 bar	140 psi
FAD	167 l/s	350 cfm
Boom variant		
Type	Extendible	
Feed		
Feeding system	Chain	
Feed length, total	7 660 mm	25'
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.	3.4 km/h	2.1 mph
Traction force	89.6 kN	20 000 lbf
Hill climbing ability	30° (In CE 20°)	
Track oscillation	±9°	
Ground clearance	420 mm	16.5"
Transport dimensions, approximately		
Weight (exkl. optional equipment)	13 tonnes	28.660 lb
Width	2.47 m	8'2"
Length	9.98 m	32'9"
Height	2.87 m	9'5"

Standard equipment

- Limited ambient temperature: 52 deg. C
- Rod handling system prepared for 6 x 3 660 mm T51 rods with 72 mm couplings
- Track chains with triple grouser pads
- Full length track guard
- Two speed traction motor
- Work lights
- Back up alarm
- Warning horn
- Engine auto throttle
- Cab
- Cab air conditioning system
- Safety switch on operators seat
- Back mirror
- Inclinometer instrument in Cab
- Safety shutdown device on feed
- Rod handling system
- Rod handling system one lever control
- Rod handling lockout system
- Vertical sliding dust hood
- Dust collector
- Two lever drilling control
- Percussion hour meter
- Smooth drilling system
- Thread greasing device, spray system
- JIC hydraulic hose couplings
- Low level indicator for fuel and hydraulic oil
- Standard tool kit
- First 50 hrs service kit for compressor

Selection of optional equipment

- Rod handling system prepared for 6 x 3 660 mm T45 rods with 63 mm couplings
- Rod handling system prepared for 6 x 3 660 mm T45 rods with 66 mm couplings
- Track chains with single grouser pads (only available for CE)
- Cooling system retrofit kit
- Cold weather kit
- Anti freezing system
- Angle indicator 2-D Lim
- Angle indicator 3-D Lim
- Water mist system (tank included)
- Water mist system (exclusive tank)
- Dust pre-separator
- Gas charging equipment (for rock drill)
- Conversion kit T51 72 mm sleeves to 77 mm sleeves
- Hydraulic pressure test kit