

# Atlas Copco Surface Drill Rig **CM 470**



## **Combining simplicity and flexibility**

Hole range 64 mm - 89 mm (2½" - 3½")

*Atlas Copco*

<b>Technical data CM 470</b>		
<b>Recommended hole range</b>		
Hole range	64-89 mm	2½" - 3½"
Drill steel dimensions	T38, T45	
<b>Rod handling capacity</b>		
Hole depth	18 m (T38) 15 m (T45)	59' (T38) 49' (T45)
<b>Hydraulic rock drill</b>		
Yamamoto / YH70		
Impact power, max.	15 kW	20 HP
Rotation speed	0 - 180 rpm	
Torque, max.	450 Nm	101 lbf/ft
<b>Engine</b>		
Cummins B5.9-C		
Rating at 2300 rpm	107 kW	144 HP
Emission control level	Stage 1	Tier 1
<b>Fuel tank</b>		
Capacity	290 l	~77 US gal.
<b>Compressor</b>		
Working pressure, max.	8 bar	114 psi
FAD	83 l/s	176 cfm
<b>Boom variant</b>		
Type	Single	
<b>Feed</b>		
Feeding system	Chain	
Feed length, total	6 550 mm	21'
Travel length	4 170 mm	14'
Feed extension	1 300 mm	4'3"
Feed rate, max.	0.6 m/s	118 ft/min
Feed force, max.	18 kN	4047 lbf
Pull force, max	18 kN	4047 lbf
<b>Tramming</b>		
Tramming speed max.	3 km/h	2 mph
Traction force	53 kN	11 915 lbf
Hill climbing ability	30°	
Track oscillation	±10°	
Ground clearance	420 mm	16,5"
<b>Transport dimensions, approximately</b>		
Weight (exkl. optional equipment)	9 tonnes	19.730 lb
Width	2.53 m	8'4"
Length	8 m	26'2"
Height	3.18 m	10'2"

## Standard equipment

- Limited ambient temperature: 52 deg. C
- Rod handling system prepared for 5 x 3 050 mm T38 rods with 55 mm couplings
- Track chains with single 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
- Toe hole drilling forward positioning system
- Safety shutdown device on feed
- Rod handling system
- Side opening dust hood
- Dust collector
- Anti-jamming system
- Thread greasing device, spray system
- JIS hydraulic hose coupling system
- JIS to JIC hydraulic hose coupling conversion kit
- 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 4 x 3 050 mm T45 rods with 63 mm couplings
- Rod handling system prepared for 4 x 3 050 mm T45 rods with 66 mm couplings
- Anti freezing system
- Angle indicator 2-D Lim
- Water mist system (tank included)
- Water mist system (exclusive tank)
- Rod handling lockout system
- Vertical sliding dust Hood
- Dust pre-separator
- Rock drill hour meter
- Percussion pressure control
- Super rotation system
- Reverse percussion system
- Smooth drilling system
- Hydraulic pressure test kit