



# RAISE BORE DIVISION ATLAS COPCO 61-RH

## 1000V HYDRAULIC DRIVE MACHINE

The Atlas Copco 61-RH is a powerful, compact and lightweight raise bore designed to fit in smaller underground excavations. It is the ideal solution for all mid-size ventilation raises, ore passes and escape way raises.

### FEATURES

- Capable of reaming 1.4m to 3.0m diameter rises, up to 350m in length

**FAST.  
EFFICIENT.  
RESPONSIVE.**

#### INTEGRATED UNDERGROUND MINING SERVICES:

- Mine development
- Production mining
- Cable bolting, production drilling and ITH drilling
- Raise boring and specialist boxhole boring
- Shotcreting
- Plant and equipment hire

**PYBAR**  
MINING SERVICES  
LEADERS IN UNDERGROUND MINING

# Atlas Copco 61-RH

## 1000V Hydraulic Drive Machine

### OPERATIONAL

Conventional Ream Diameter	Diameter Length	1.4m to 3.0m 350m
Raise Angle	Ream Mode	45 degrees to vertical
Pilot Hole Diameter	Normal Maximum	11" (279mm) 12-1/4" (312mm)

### TECHNICAL

Rotation System	Type	Hydraulic Drive
Pilot Drilling Data	Pilot RPM Pilot Thrust	0 – 40RPM variable 470kN (106,000lbs)
Reaming Data	Reaming RPM Reaming Thrust Reaming Torque Maximum Torque	0 – 8RPM variable 2,224kN (500,000lbs) 106kNm (78,000ft/lbs) 150kNm (111,000ft/lbs)
Drill Pipe Data	Diameter Length s/s	HS 10" (254mm) 1.525m

### ELECTRICAL

Power Supply	Main Supply Generator Transformer Supply Cable Size	1000V, 50hz 300Kva 250Kva 35mm <sup>2</sup>
Power Pack Supply	Power Rating Full Load Current Starter Type Start Up Current Voltage	100kW (220Hp) 109A Soft Starter 250A 1000V

### CONSUMPTION

Air	Pilot Drilling Air	17m <sup>3</sup> /min @ 7 bar (600cfm @ approximately 100psi)
Water	Pilot Drilling Water Cooling Water	Approximately 500 litres/min which is recirculated via sumps Approximately 75 litres/min

### WATER PUMP

Water Recycling	Pilot Drilling Water	37kW (pending pilot hole diameter and length)
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### RAISE BORE RIG

Dimensions	Extended Height Height Retracted Width Depth Weight Standard Beams	5.600m 3.800m 1.500m 1.600m 9.1 tons 4.0m x 500mm high beams 5.5m x 500mm high beams
Transporter	On Sled	With inbuilt erection device