

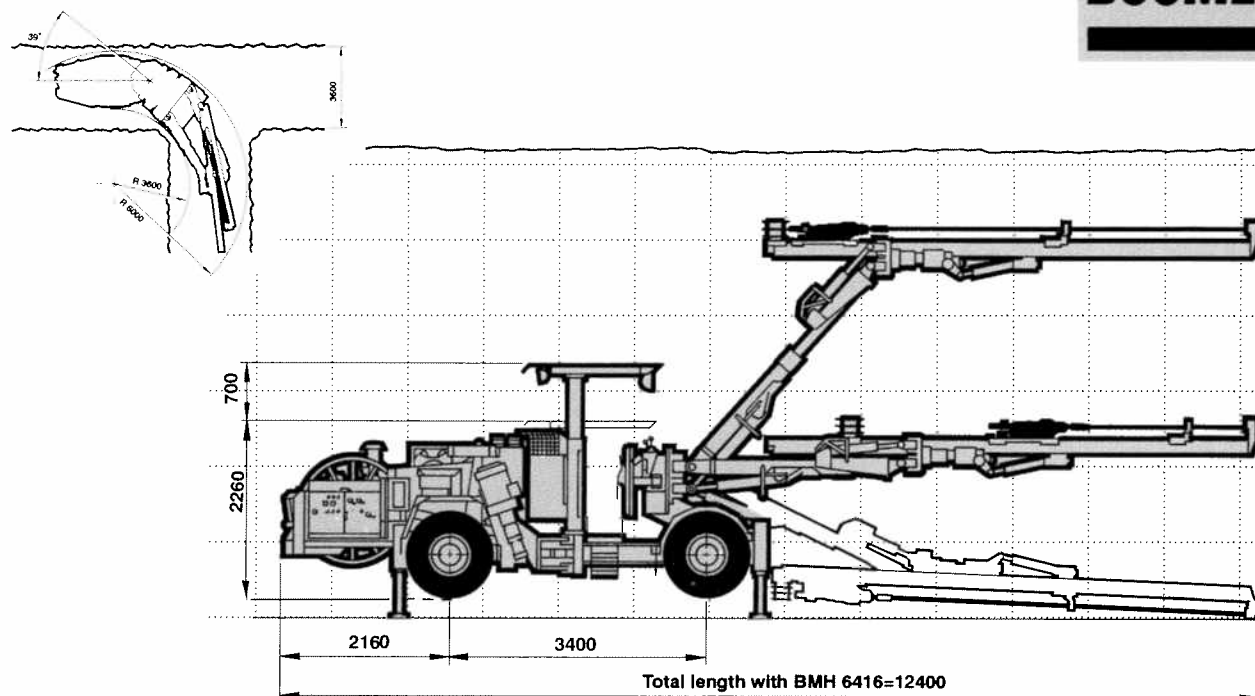
Technical Specification

Rocket Boomer 322-1838

High capacity hydraulic drill rig for medium sized tunnels and mine production (8-45 m²)

Atlas Copco

BOOMER



Features

- Fully equipped with protective roof, cable reel and working lights, 3x500 W halogen
- Electro-hydraulic drilling with COP 1838
- Four-wheel drive with automatic diff lock in both axles
- Accurate, fast and simple positioning with BUT 32
- Precise parallel holding in all directions
- Semi-automatic collaring and anti-drill-steel-jamming for easy drilling with low drill steel cost
- Adjustable expanding shafts in all boom joints
- Central lubricated carrier frame
- Safety brakes type spring applied, hyd. release
- Water booster pump for efficient flushing
- Pump un-load function for easier start with low voltage

Main components

Rock drill	2xCOP 1838ME
Feed	2xBMH 6000-series
Boom	2xBUT 32
Power pack	ECS 18-2
Carrier	DC 17

Rock drill COP 1838ME

Drill steel	T 38
Impact power, max	20 kW
Impact rate	60 Hz
Lub. air consump. (at 2 bar)	5 l/s
Water requirement	1.1 l/s
Rotation system	separate rotation
Rotation speed	0-300 rpm
Weight	171 kg
Sound level	106 dB(A)

Feeds

	BMH 6412	BMH 6414	BMH 6416
Total length, mm	5290	5880	6490
Hole depth, mm	3440	4030	4640
Drill steel length, mm	3700	4305	4915
Weight, incl. rock drill, kg	580	610	650
Feed force, kN	20.0	20.0	20.0

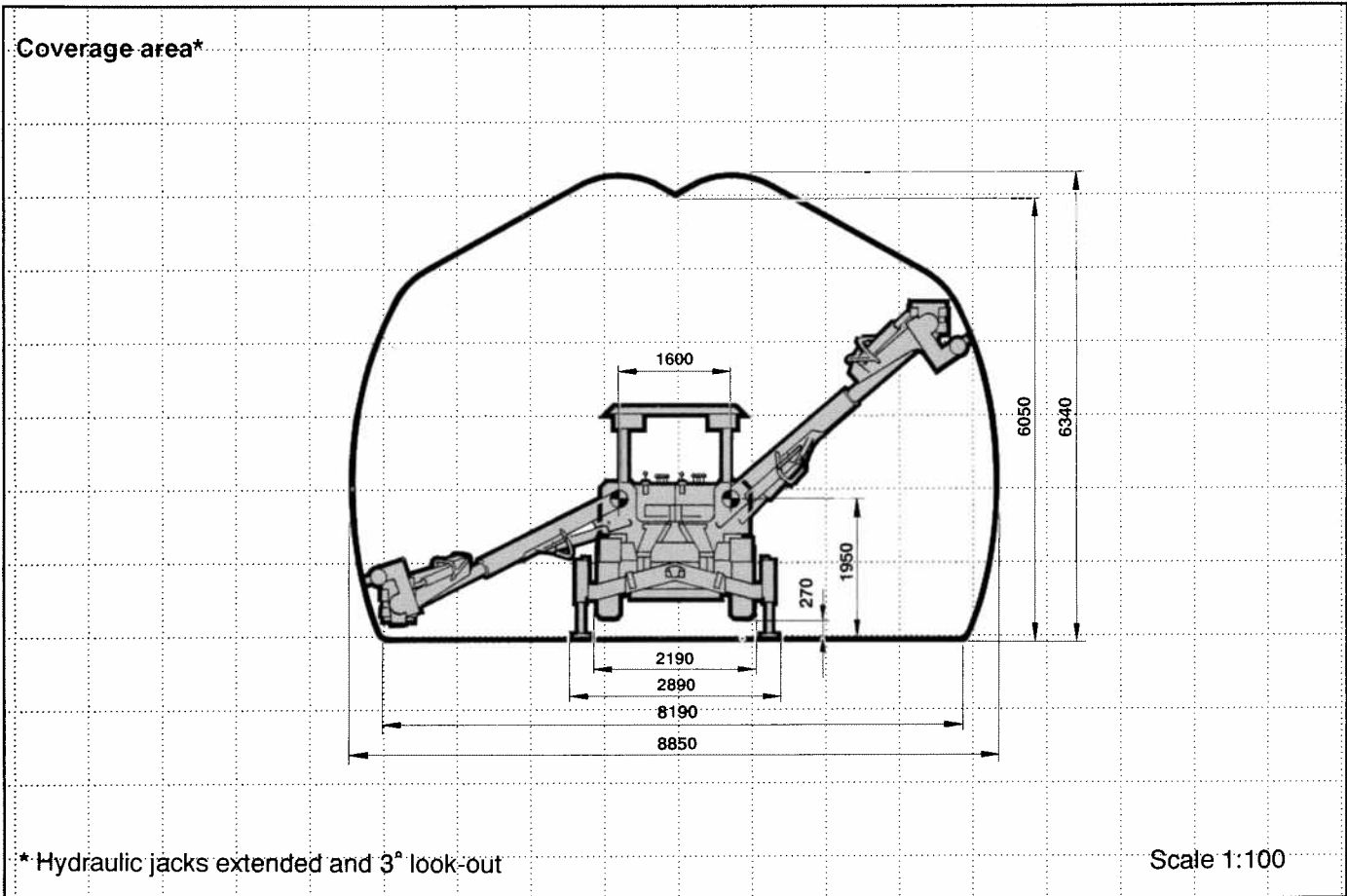
Boom BUT 32

Weight, boom only	1985 kg
Feed extension	1800 mm
Boom extension	1250 mm
Feed roll-over	360 degrees
Parallel holding	Complete

Drilling system ECS 18-2

Control system	electrical, PLC-based
Pump motors	2x55 kW
Hydraulic pumps	variable pumps for percussion constant flow pumps for rotation and dampening
System pressure, impact mechanism	150-250 bar
Hydraulic oil tank, volume	350 litres
Hydraulic oil type	mineral
Compressor, type	LE 8
Water booster, capacity	300 l/min at 14 bar boost

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Carrier

Type	DC 17
Engine	Deutz F6L 912W 66kW (88 hpDIN) at 2500rpm
Electrical system	24 V
Max. travel speed	13 km/h
Transmission	Hydrodynamic, Clark 12000
Axles	Hurth with wet discbrakes
Hill climbing ability	1:4
Braking system	All hydraulic brakes, with parking and emergency brake. Two independent circuits
Tyre dimensions	Boom and engine axles 13.00x20 PR 18
Steering system	Hydrostatic power steering

Electrical system

Total el. consumption	120 kW
Voltage	380-660 V
Frequency	50 or 60 Hz
Rec. size of el. cable,	
380-420 V special reel	4x95 mm ² , 90m
440-550 V	4x70 mm ² , 75m
660 V	4x50 mm ² , 100m

Dimensions and weights

Height with protective roof, transp.	2250 mm
Height with protective roof, drilling	2950 mm
Width	2190 mm
Length (with BMH 6416)	12400 mm
Turning radius, inner	3600 mm
outer	6000 mm
Gross weight	18400 kg

Optional equipment

- Silenced operator's cab
- Cable
- Exhaust water scrubber
- Exhaust catalyzer
- Telescopic feed BMHT 6000-series
- Extension drilling set, BSH 110
- Rod Adding System RAS
- Inclination instrument TAS
- Boom lubrication system
- Hydraulic Swellex pump
- Electric oil filling pump
- Electric outlet for accessories, 32 Amp.
- 1000 V electric system
- Water flow guard
- Built-in fire extinguisher system
- Hole blowing kit

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The manufacturer reserves the right to make modifications without prior notice.

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