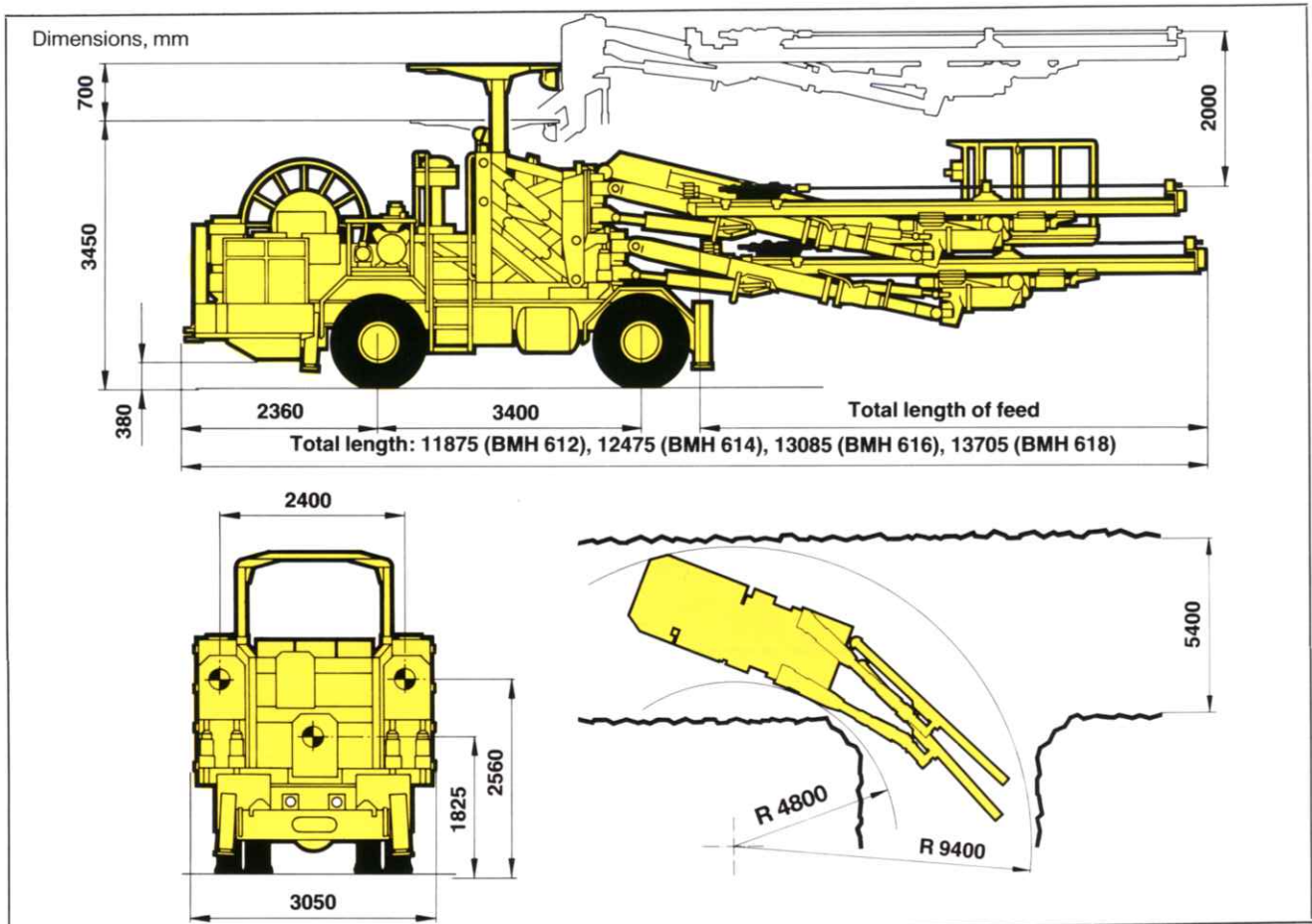


Technical Specification

Boomer H 178

Hydraulic drill rig with three BUT 35 booms and boom elevation for extended reach

Atlas Copco



Features

- Two meters elevation of the outer booms extends the coverage area
- Electro-hydraulic drilling with COP 1238ME
- Semiautomatic collaring for easy drilling
- Automatic protection against drill steel jamming
- Accurate, rapid and simple positioning with BUT 35
- Adjustable expanding shafts in all boom joints
- Precise parallel holding
- No blind spots in the coverage area

Main components

Carrier	Plamek DC 160H
Boom	3×BUT 35
Power pack	BHU 38-3
Feed	3×BMH 600-series
Rock drill	3×COP 1238ME

Carrier

Type	Plamek DC 160 H
Engine, Volvo TD 60B	116 kW (157 hp) at 2500 rpm
Electrical system	24 V
Max. travel speed	16 km/hr
Transmission	Hydraulic, type ZF
Hill climbing ability	1:4 at max. load on drive wheels
Braking system	Air brakes, with parking brake and emergency brake
Tyres	12.00×24/18 ply. Double wheels on boom section
Steering system	ZF power steering with manual emergency steering

Boom BUT 35

Weight boom only	2700 kg
Feed extension	1600 mm
Boom extension	1600 mm
Feed roll-over	360 degree
Parallel holding	Complete
Printed Matter No.	ACC 11188

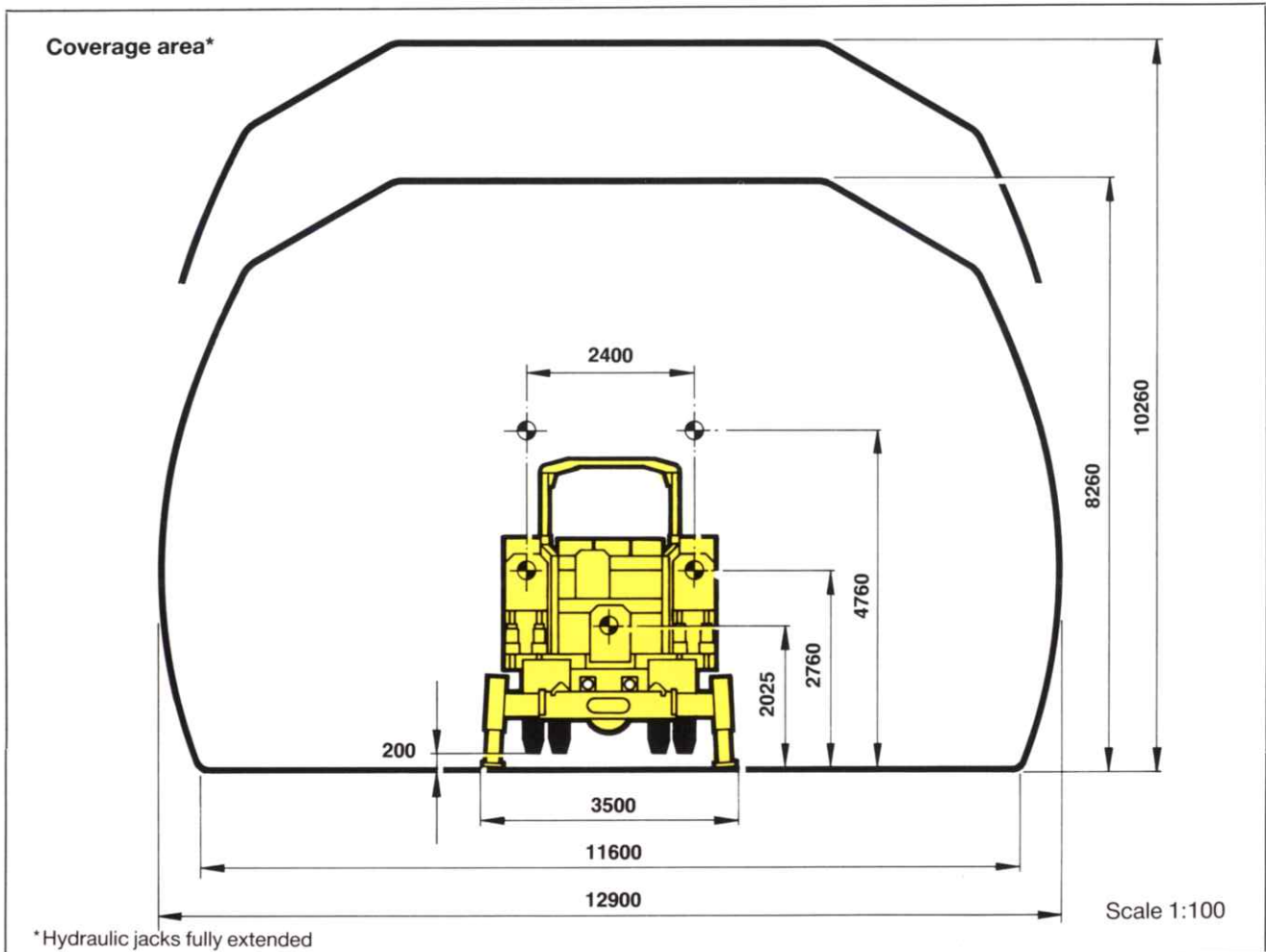
Power pack BHU 38-3

Pump motors	3×45 kW
Voltage	380–660 V
Frequency	50 or 60 Hz
Hydraulic pumps	3× double axial piston pumps
System pressure, impact mechanism	150–250 bar
Hydraulic oil tank, volume	460 litres
Hyd. oil types	mineral, HFC, HFB

Feeds

	BMH 612	BMH 614	BMH 616	BMH 618
Total length, mm	5295	5895	6505	7125
Max hole depth, mm	3405	4005	4615	5235
Drill steel length, mm	3700	4305	4915	5525
Weight, incl. rock drill, kg	540	570	595	670
Feed force, kN	12.5	12.5	12.5	12.5
Printed Matter No.	ACC 11254			

Boomer H 178



Rock drill COP 1238ME

Drill steel	R38
Impact power, max	15 kW
Impact rate	40–60 Hz
Lub. air consump. (at 2 bar)	2.5 l/s
Water requirement (at 12 bar)	3 × 1.1 l/s
Rotation system	separate rotation
Rotation speed	0–300 rpm
Weight	151 kg
Sound level	106 dB(A)

Electrical system

Total el. power cons.	150 kW
Voltage	380–660 V
Frequency	50–60 Hz
Rec. size of el. cable, (RDOT) 380–440 V	4 × 95 mm ²
500–660 V	4 × 70 mm ²

Dimensions and weights

Height with protective roof, transp.	3450 mm
Height with protective roof, drilling	4150 mm
Width	3050 mm
Length (with 18 fts feeds)	13705 mm
Turning radii	
Outer (with booms & feeds)	9400 mm
Inner	4800 mm
Gross weight	
excl. service platform	32200 kg
incl. HL 91	34300 kg

Optional equipment

- Protective roof
- Silenced operators cabin
- Cable reel
- Water booster pump (for flushing)
- Service platform HL 75/HL 91
- Hydraulic rock drill COP 1238
- High frequency rock drill COP 1238 HF
- Deutz diesel engine
- Exhaust scrubber
- Exhaust catalyzer
- Extra working lights 2 × 1500 W

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