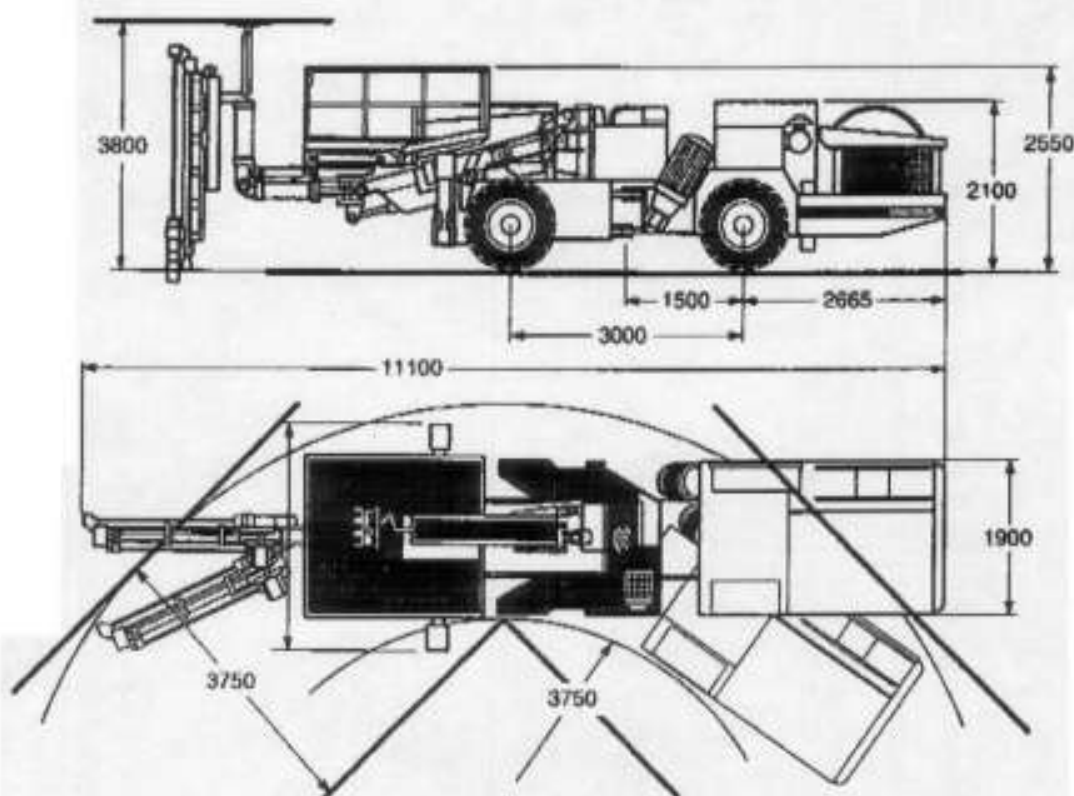


TAMROCK**PLUTON 1PSB
D6- E 50****B - 309 S - A**

1997 - 01 - 28

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DOC 010



**Mechanized high productivity rock bolter,
four wheel drive articulated jumbo,
for installation of bolts from 5 to 8 ft in combination with
sheets of metal screen in drift heights up to 6.15 m.**

Rock drill

Model	Hydrastar 200 B
Standard female shank	R 25 - R 32
Weight	115 kg
Impact frequency	40-65 Hz
Percussion pressure	160-200 bar
Impact power	6-10 kW

Wrench

Model	RHR 40 series
Weight	45 kg
Oil pressure	160 bar
Maxi. torque	25 mdaN

Turret

Model	TU - SB
Steel length	5 to 8 ft
Drill steel	H 22 till H 28

Boom

Model	BSB
Type	Universal
Weight (with hoses)	2400 kg
Feed roll-over	320°
Boom extension	800 mm
Turret extension	1200 mm

Platform

Size	2000 x 2300 mm
Extension	600 mm
Maxi load	600 kg
Electric control box	Boom & Turret movements

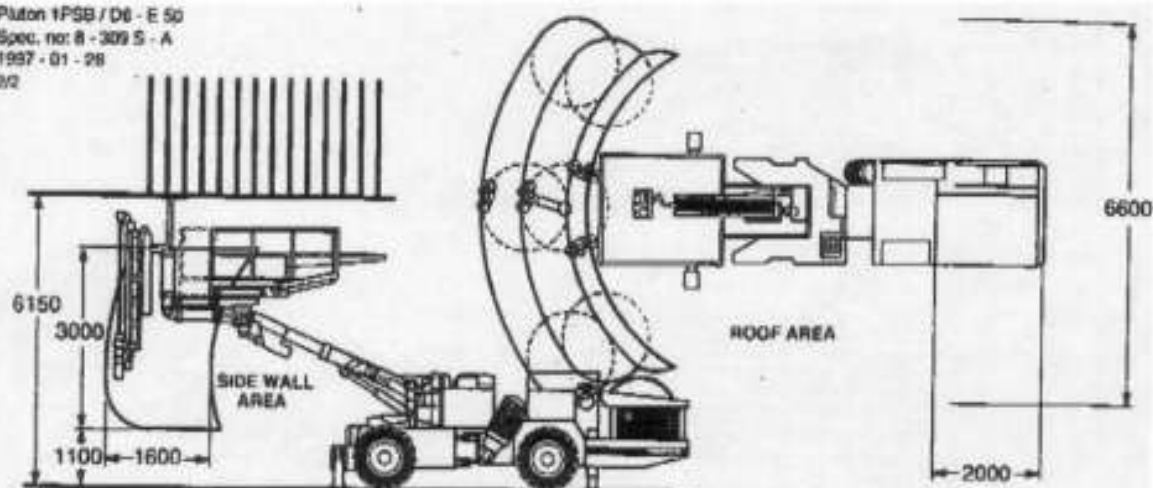
Hydraulic control panel

Providing	I.B.C.P.B.
.....	auto smooth collaring
.....	precise anti-jamming
.....	only one control lever for thrust/percussion (full & half)

Tramming possibilities

Tramming speed	1 st gear	3 km/h
.....	2 nd gear	7.5 km/h
Maximum operating grade		up to 30%
Weight, approximate		16550 kg

Pluton 1PBB / D6 - E 50
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Carrier	Pluton
Service capacities	
Fuel tank	170 litre
Hydraulic tank	350 litre
Engine	
Diesel	6-cyl. Deutz F6L912 W
Max. rating at 2300 rpm	82 hp (60 kW)
Cooling system	Air-cooled
Exhaust treatment	ECS purifier
Transfer case	
Type	Gear
Hydrostatic Transmission	
One pump	Variable displacement Axial piston, 0-75 cm ³ /rev
One motor	Dual displacement, axial piston
Axes	
Front & Rear	Ford D45 HD, heavy duty with differential and planetary reduction
Oscillation	
Rear	± 10°
Wheels	
Tyres	12.00 x 20
Steering	2 hydraulic cylinders
Steering control	Stick steering
Articulation angle	35° either side from center line
Service Brake	Hydrostatic transmission
Parking and Emergency Brakes	
Type	Hydraulic oil immersed multiple disc brakes in both axles
Actuation	Emergency button Spring applied, hydraulically released
Stabilizers	
Front	2 outriggers S.F.S.O. 35
Rear	2 hydraulic jacks S.J. 3
Oil Cooler	
Type	O.C. 25, water-actuated counterflow
Cooling capacity	25 kW

Power Pack	P.P. 37 kW/3.2 Q
Electrical motor	37 kW (50 hp)
Hydraulic pump	fixed displacement, radial piston

Rock Drill Lubrication

Compressor	C.T. 2, piston
Volume / Pressure	800 l/min - 4 bar
Motor	Electric - 7.5 hp (5.5 kW)

Water Flushing

Water booster pump	W.B.P. 1, centrifugal
Volume/Pressure	2000 l/h - 15 bar
Motor	Electric - 5.5 hp (4 kW)

Electrical system

High/Low voltage	Separate cabinets
Voltage	Standard 380 - 660 V Alternative 1000 V
Frequency	50 or 60 Hz
Cable Reel	C.R.P.
Capacity	160 m of cable 32 mm O.D.
Lighting	
Working light	Two 24 V x 150 W halogen, W.L. 2.150
Tramming light	Three 24 V x 70 W, T.L. 3.70
Tail light	One 24 V x 15 W red light

Alternatives

- R - injection system (Resin cartridges).
- CC - injection system (Cement Cartridges).
- S - installation system (Split Set bolts) with impactor HH 200.
- SW - installation system (Swellex bolts) with water pressure intensifier.

Optional equipment

- High pressure water cleaning pump.
- ANSUL Fire Suppression System LTA 101-30.
- Spare wheel.
- Electric cable.
- Ground fault detector.
- Manual water hose reel with 60 m hose.
- Fume diluter.
- Tramming with electrics on short distance controlled from platform