

DS210L-M UNDERGROUND DRILL RIG

TECHNICAL SPECIFICATION



DS210L-M is a fully mechanized one man operated electro hydraulic low profile bolting machine for rock reinforcement in excavations with headroom as low as 1.6 m.

The robust rectangular profile telescopic boom allows the installation of severall rows of bolts without moving the machine, the single operator working under the FOPS protective canopy.

The exceptional «V» shape layout is designed for good visibility and balance, this and the powerful four-wheeldrive articulated carrier ensure fast and safe

manoeuvering even in low headroom conditions.

The high performance drilling system allows high drilling

performance with good drill steel economy and high machine reliability.

The operator environment and added automatic functions allow the operator to concentrate on safe, fast and accurate drilling and bolts installation. All functions are piloted by an electric cable remote control.

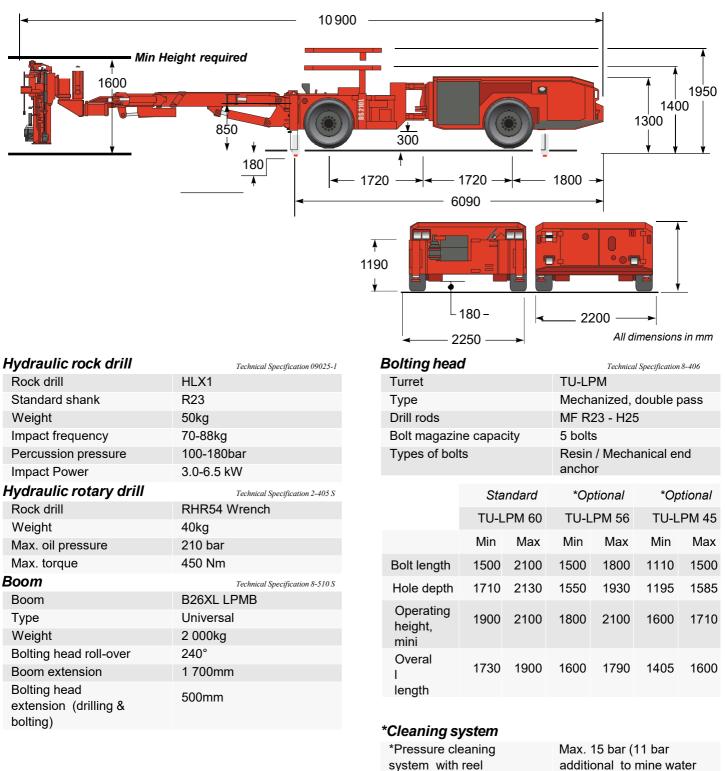
All the service points are well protected but easy to access.

Carrier	TC LP
Rock drill	HLX1
Wrench	RHR54
Boom	B26 XL-LPMB
Bolting head	TU LPM60
Control panel	TA 132E
Powerpack	30kW
Shank lubrication device	KVL10-1
Air compressor	CT10
Water pump	WBP1
Cable reel	TCR LP
Length	10 900mm
Width	2250mm carrier, front part 2200mm carrier, rear part
Height	1 400 mm roof down 1 950 mm roof up
Weight	13 100 kg



DS210L-M

General dimensions



*High pressure

reel

cleaning system with

*Greasing systems and options

*Greasing unit with		
pump, reel and nozzle		
*Centralized greasing nipples		

Manual Remoted and centralized carrier greasing nipples



network)

Max. 180 bar

DS210L-M

Tramming dimensions 1400 1300 Overall length 10 900 300 20° 15° Turning radius ŧ 3440 1800 - 6090 All dimensions in mm 6750 3040 45° 5500 3600

Hydraulic system

Filtration rate	20 microns (pressure) 10 microns (return)
Oil cooler	Cooling capacity 30kW OW30 water cooling
Drilling oil tank	160 liters
Tank filling	Manual filling pump
Powerpack	HPP130 (30kW)
Percussion pump	Gear pump, double stage
Rotation pump	Gear pump
*Tank filling	Electric filling pump
*Additional HP filters on	
tramming circuit	
Control system	
Туре	TA132E
Control	Electric remote
Power control	Adjustable full power Adjustable collaring speed
Rotation control	Adjustable rotation speed Reversible rotation
Flushing control	Water flushing
*Fire suppression system and options	
*Manual fire suppression system (Ansul)	6 nozzles
*Automatic fire suppression system (Ansul)	6 nozzles

6 kg

aiorona (progaura)



*Hand held fire extinguisher

Electric system and *options

Air compressor

Electric motor

Air consumption

Oil consumption

Air tank

Shank lubrication device

(flushing on rock drill return)

*Optional features/components

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Total input power	45kW
Main switch	MSE-1JH
Standard voltage	380-690 VAC
Voltage fluctuation	+/- 10%
Phase sequence indicator frequency	50 or 60 Hz
Starting method	Star/delta
Thermal overload protection	
5 x hourmeters (Engine; Powerpack, Percussion,	Compressor, Tramming)
Reverse alarm	
Cable reel -Capacity	TCR LP type, with spooling device Seespec, 5-4100
Batteries	Voltage: 2x12V Rating: 120Ah
Transformer rating	1.3kVa
*Ground fault and overcurrent protection	VYK200
*Electric cable rubber or PUR	80, 100, 150 meters depending on voltage
Flushing system and *options	
Flushing	Water
Water pump	WBP1(4kW)
Water pump capacity	33 l/min (at 11 bar)
Min water supply pressure	2 bar
Inlet pressure	2 - 7 bar (while drilling)

CT10, screw type 7.5 kW (10hp)

KVL 10-1

250-350 l/min

180-250 g/h

60 liters