

MUKI LHP

Production long hole rig for narrow veins



MUKI LHP is an electro-hydraulic rig for long hole drilling, it has tilt, rotation and pendulum arm, perform precise and smooth movements for parallel holding.

Long hole drilling feed 2500 series with 2 Stingers and hydraulic clamp. Equipped with Montabert drifter HC 50 (13 kW).

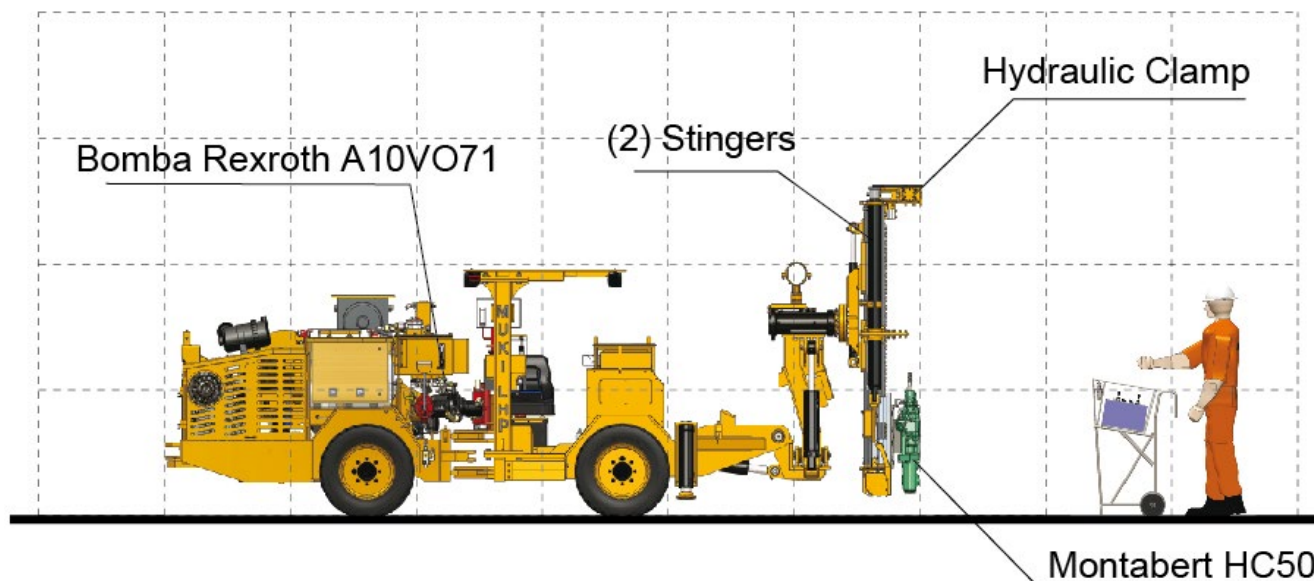
Full 360°, horizontal coverage with parallel holding is 1.44 m; maximum length of drilling up to 15 m, diameters up to 74 mm bit, Reamer 127 mm.

Chassis for heavy duty application, articulated 4WD, self-propelled with diesel, electro hydraulic system for drilling.

Applications:

- Sub Level Caving, benching
- Sub Level Stopping
- VCR and cable bolting

SPECIFICATIONS



DRIFTER

• Model	Montabert HC50
• Percussion Power	13 kW
• Percussion pressure	130 Bar
• Frequency Percussion	62 Hz
• Rotation speed	0 - 195 rpm
• Rotation Torque	415 Nm
• Hole diameter	33 - 64 mm
• Lub air consumption	83.3 l/s (to 2.5 bar)
• Lub oil consumption	0.8 cc/min
• Water consumption	25 l/min (to 8 bar)
• Shank Adapter	R32 Female
• Weight	102 kg
• Length with shank	855 mm

FEED

• Model	RE 2500 Series
• Advance drilling	Hydraulic motor and chain
• Feed extension	400 mm
• Hydraulic clamp	Bull 121
• Standard Feed	4 ft rods
• Options	3, 5 ft rods
• Two Stinger to stabilize while drilling	
• Digital inclinometer for measuring angles	Transtronic

CARRIER

• Model	C22.1
• Diesel Engine	Deutz BF4L2011
• Power	55,1 kW @ 2300 rpm
• Exhaust catalyst	Standard
• Transmission	Hydrostatic
• Hydrostatic pump	Poclain, MSE 08
• Positioning pump	Rexroth
• Rear axle Oscillating	± 8°
• Service brakes	Separate
• Emergency and parking brakes	SAHR (Spring Applied Hydraulic Release)
• Tyres	7.50 x R15
• Steering (articulated carrier)	±38°
• Hydraulic jacks	2 extendable front
• Battery	2x12 V, 90 Ah
• Electric system	24 VDC
• Gradeability	15%
• Canopy	FOPS / ROPS
• Trimming lights	8X, LED N44, 50W, 6700 lm, 24 V
• Centralized Lubrication System	SKF
• Drilling Lubrication System	SKF
• Automatic fire suppression system	ANSUL, 6 nozzles
• Fire extinguisher	1x5 lb, Type ABC
• High-pressure washing system	
• Reel grease gun	

PENDULUM ARM

- Angle tilt +65°/ -20°
- Swing angle ± 30°
- Rotation angle 360°
- Hydraulic cylinders Parker

ELECTRIC SYSTEM

- Electric motor ABB - 55kW (75 HP)
- Voltage 380 - 440 - 550 - 690 -1000 VAC
- Frequency 50 - 60 Hz
- Starting method Star - Delta
- Option to 1000 VAC Direct start
- Overload protection and ground fault Schneider, Module VIGI
- Percussion hour meter In the control panel
- Phase sequence indicator Siemens
- Battery charger 32 VAC, 300W, 13A
- Electric transformer 1.5 kVA
- Work Lights 2X, LED N44, 50W, 6700 lm, 24 V
- Electric wire reel 60 m
- Electric wire GGC - 3X2 - AWG (35 mm)
- Protection degree IP 55

WATER AND AIR SYSTEM

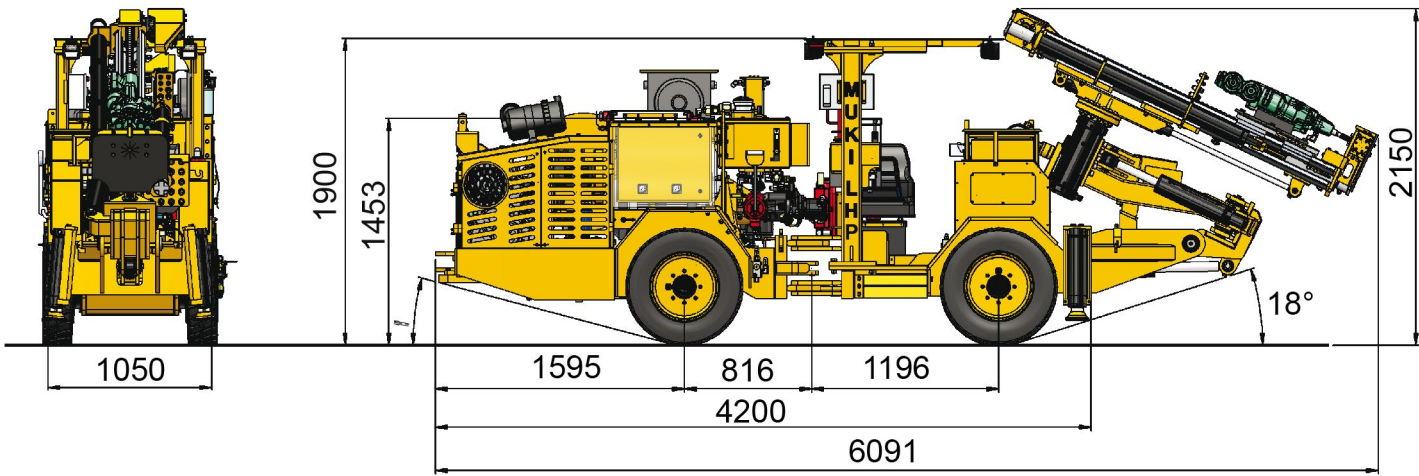
- Compressor AC - LE3 3-10 UV
- Maximum capacity 5.1 l/s (10.8 cfm)
- Work pressure 3 Bar
- Water pump with hydraulic motor Grundfoss, CR5 - 9
- Maximum flow at 8 Bar 6.9 m³/h
- Minimum inlet pressure 2 Bar
- Cooler Thermal Transfer EK 1018T, 80 GPM, 34 Bar

HYDRAULIC CONTROL SYSTEM

- Direct Control Valve Parker K18
- Percussion pump (compensated pressure) Rexroth A10V071
- Rotation Pump Parker, P315 A
- Work pressure 180 bar
- Hydraulic oil tank 130 l
- Hydraulic return filter Parker, 10µ
- Hydraulic high filter Parker, 20µ
- Saturation hydraulic filter indicator Parker
- Indicator of low oil Hydac
- Indicator temperature oil Hydac



DIMENSIONS



Total Weight	6,790 Kg.
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COVERAGE AREA

TURN RADIO

