

CABLE R44

Drilling Rig for mechanize Cable Bolting installation



Cable R44, equipment for mechanized installation of cable bolt, fortification in medium sections from 3x3.

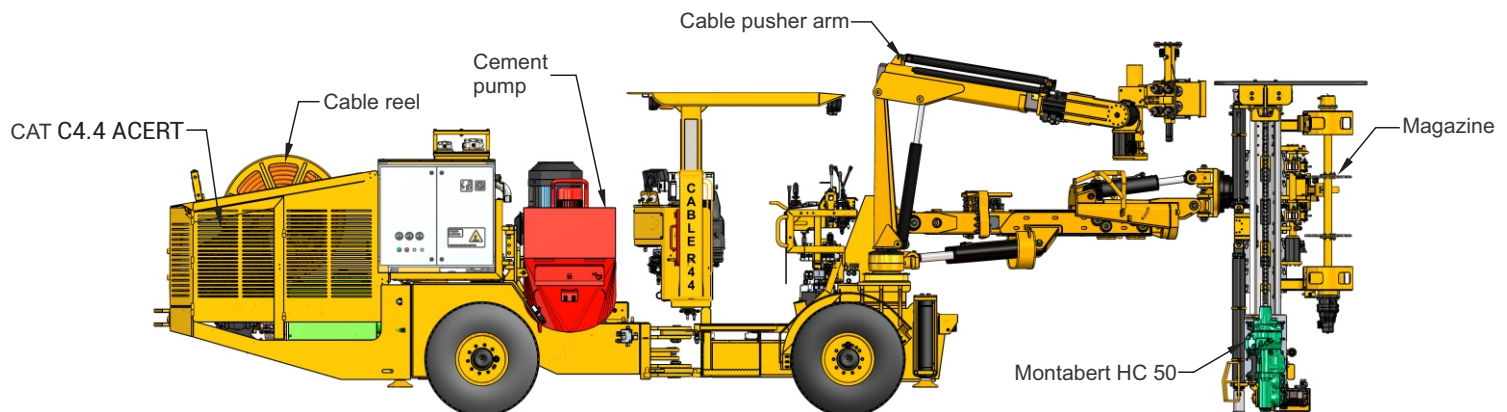
It includes an arm equipped with a long hole feed for 4 ft rod, in addition a second arm with cable pusher mechanism and hose to perform the injection of cement.

Maximum drilling length up to 22 m, diameters up to 64 mm, rimed 127mm.

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

The hydraulic system of direct controls with piloted hydraulic control makes this equipment highly reliable for operation. On the other hand, the montabert HC 50 drifter has the lowest operating cost of its kind in the market.

SPECIFICATIONS



DRIFTER

• Model	Montabert HC 50
• Percussion power	12 kW
• Percussion pressure	130 bar
• Frequency	56Hz
• Rotation Speed	0 - 237 rpm
• Rotation torque	466 Nm
• Hole diameter	33 - 64 mm
• Air consumption (flushing)	83.3 l/s (hasta 7bar)
• Air consumption (lubrication)	5l/s (a 3 bar)
• Oil consumption (lubrication)	0.8cc/min
• Water consumption	25 l/ min(a 8 bar)
• Shank Adapter	T38 - macho
• Weight	104 kg

VIGA

• Model	RE 8000 series
• Drifter advance	Hydraulic motor and chain
• Feed extension	400 mm
• Hydraulic clamp	BULL 120
• Stinger cylinder	2 units to stabilize while drilling
• Digital inclinometer	AMLH SYSTEM - Angle Measurement Long Hole & Software
• Feed 8000 of 4'	4 of rods
• Magazine	T38 / 14 + 1 rods

BOOM

• Model	Boom 4APR-2R
• Boom extension	1200 mm
• Lift angle	+46° / -34°
• Swing angle	±30°
• Rotation	360°
• Hydraulic cylinders	Parker

CARRIER

• Model	C44.4
• Diesel engine	Caterpillar C4.4 ACERT, Tier 3
• Power	106 kW @ 2200 rpm
• Exhaust catalyzer	Standard
• Transmission	Hydrostatic
• Transmission pump	Sauer Danfoss
• Hydrostatic motor	Four MSE 18 motors, two of them with service brake ± 8°
• Rear axle oscillating	
• Tramming speed:	max. 11 km/h
- Horizontal	max. 5 km/h
- Positive ramp 15%	
• Positioning pump	Parker, PGP511
• Service brakes	We Disc Brake in two motors
• Emergency and parking brakes	SAHR (Spring Applied Hydraulic Release)
• Steering (articulated carrier)	±38°
• Tyres	8.25 x R15
• Hydraulic jacks	2 extendable front, 2 rear
• Canopy	FOPS / ROPS
• Fuel tank	15.8 gal / 60 l
• Battery	2x12 V, 90 Ah
• Electric system	24 VDC
• Tramming lights	8X, Halogen 65W HD, 24 V
• Centralized grease system	SKF
• Drilling lubrication system	SKF
• Automatic fire suppression system	ANSUL, 4 nozzles
• Fire extinguisher	1x6kg, Type ABC
• High pressure washing system	Manual
• Reel grease gun	Manual

HYDRAULIC CONTROL SYSTEM

• Direct control valve	Parker KA-18
• Percussion pump (compensated pressure)	Rexroth A10VO100
• Triple pump	Parker, PGP620 - 511
• Working pressure	180 bar
• Hydraulic oil tank	51.5 gal / 195 l
• Hydraulic return filter	Parker, 10μ
• Hydraulic pressure filter	Parker, 10μ
• Hydraulic filter saturation indicator	Parker
• Low oil level indicator	Hydac
• Oil temperature indicator	Hydac

LUBRICATION AND WATER, AIR SYSTEM

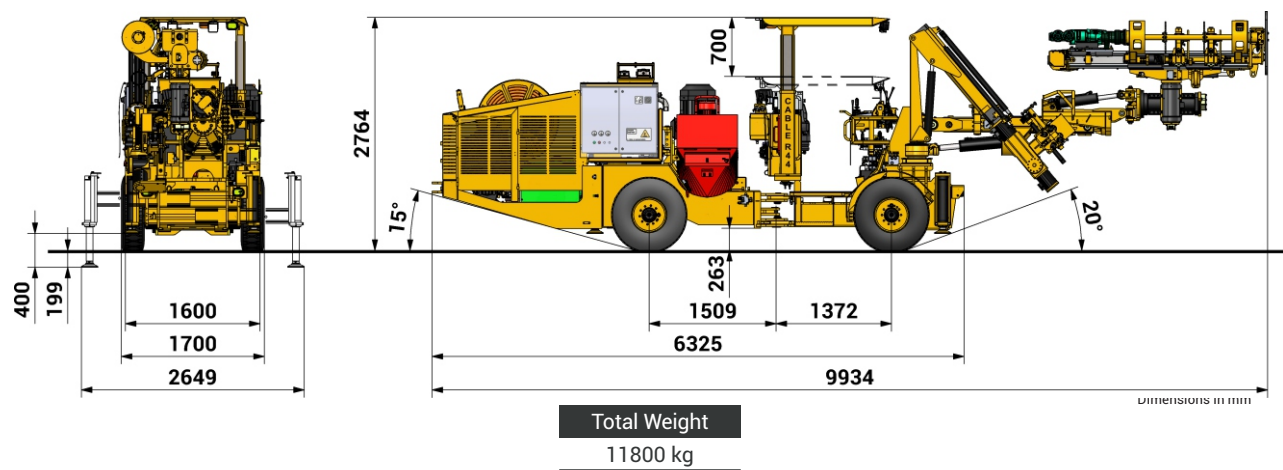
• Compressor bar	CT6B.23
• Maximum capacity	120 cfm
• Working pressure	8 bar
• Water pump and hydraulic motor	Grundfoss, CR5 - 9
• Maximum flow	6.9 m³/h (115 l/m)@3500rpm
• Minimum water inlet pressure	2 bar
• Bowman cooler	FG-120, 48.6 GPM, 20 bar

ELECTRIC SYSTEM

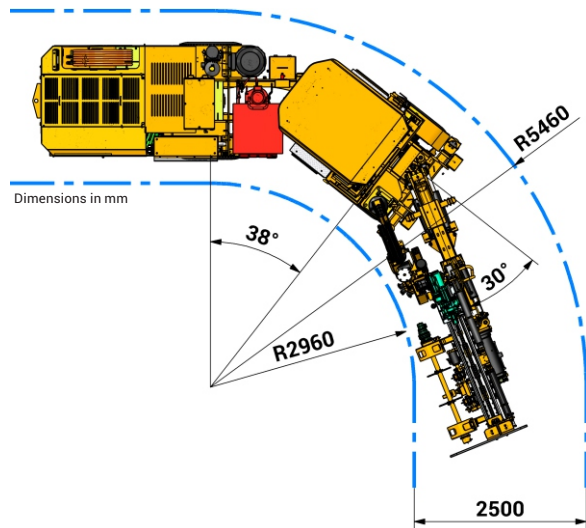
• Electric motor	60 Hz, 75 kW, 100 HP
• Voltage	380 - 440 - 550 - 690 - 1000 VAC
• Frequency	50 - 60 Hz
• Starting method	Star - Triangle
• Option to 1000 VAC	Direct start
• Overload protection and ground fault	Schneider, Module VIGI
• Percussion horometer	VDO 24V
• Phase sequence indicator	Siemens
• Battery charger	32 VAC, 300W 13A
• Electric transformer	3.5 kVA
• Working lights	2X, LED 6900 lm, 24V
• Electric cable reel	65 m
• Electric cable	3x4/0 - AWG (95 mm)
• Degree of protection	IP 55



DIMENSIONS



TURNING RADIUS



COVERAGE

