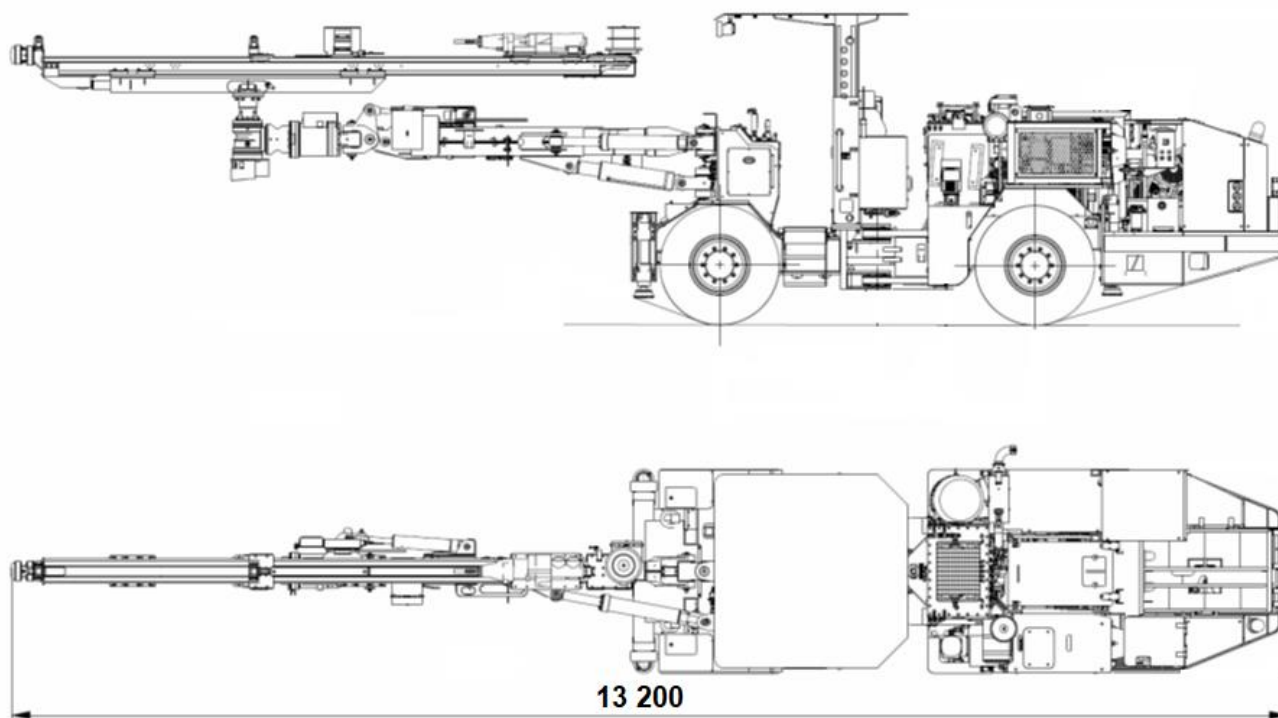


Single boom face drilling machine



DESCRIPTION

- Diesel powered articulated chassis with permanent 4-wheel drive.
- Fail-safe, wet multi-disc service brakes with additional fail-safe emergency-parking brake.
- Latest concept heavy duty alloy profile feeder with stainless steel guide surfaces. Designed to improve performance, and reduce operation costs.
- Minimum tramming height with collapsed canopy (only for container transport): 2.3m.
- Max. height of the machine with extended canopy: 3,0m.
- Full direct hydraulic boom control. Shock protection is provided.
- B-40 Head Rotation Boom, equipped with 2-axial hydraulic actuator, with full automatic parallelism in both planes, and the boom can also be used for cross-cutting.
- Reliable hydraulic controls – ensuring low operating costs and high performance.
- Ergonomic, fully adjustable operator seat with suspension. Hydraulically adjustable operator's protection canopy conforming to FOPS / ROPS regulations.

MAIN COMPONENTS

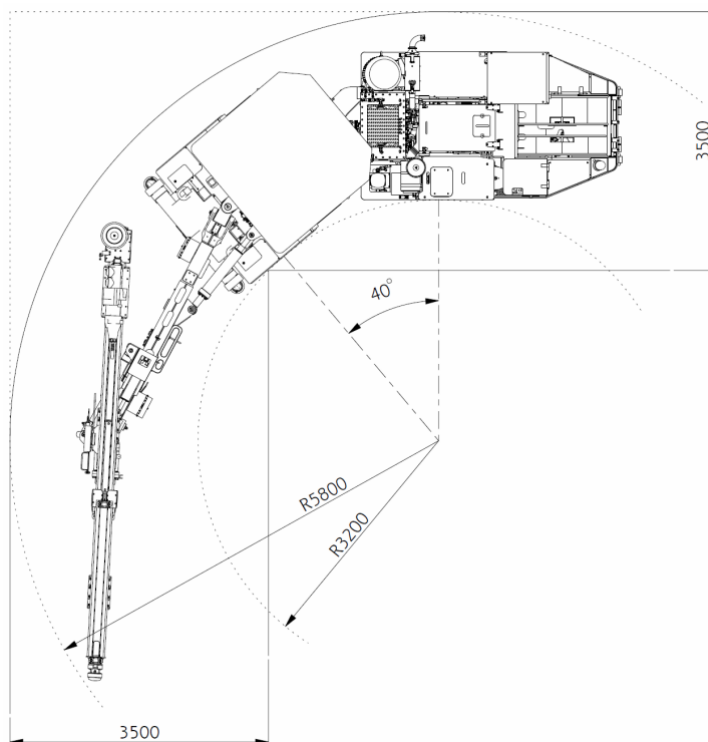
Rockdrill	Montabert HC 95 LM
Boom	B 40
Diesel engine	Deutz TCD2012L04 – 100kW @ 2300 rpm
Feeder	alloy series for face drilling
Tires	12.00 x 20

MAIN PARAMETERS

WEIGHT	Approx. 21 500 kg
DIMENSIONS	
Length with 16ft feeder	13 200 mm with 16ft face drilling feeder
Width	2 000 mm
Tramming height	2 300 – 3 000 mm
Minimum width of heading (with 16ft feeder)	3 500mm
GRADEABILITY	
downgrade	15 degrees
cross-grade	8 degrees
Max. speed on flat surface	15 km/h
Max. speed on 10 degrees slope	4 km/h

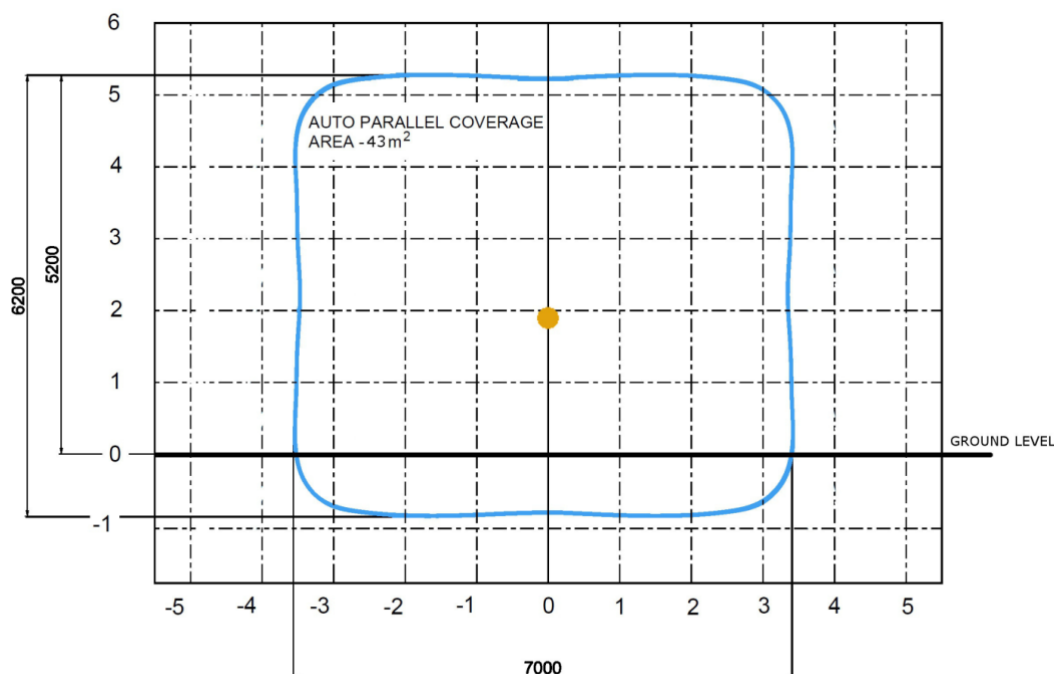
Turning radiuses

Turning radius



Inner radius	3200 mm
Outer radius	5800 mm

FACE DRILLING COVERAGE – 43m² in auto parallel mode



BOOM

B 40 (equipped with 2-axial rotary actuator)

Boom extension	1500 mm
Boom Lift	+40 /-30°
Boom Swing	+/- 40°
Feeder horizontal rotation	360°
Feeder crowd	400 mm
Feeder vertical rotation	+90 /-90°
Rotary actuator swing	+30 /-30°
Weight (with slide support)	2150 kg

Feeder for face drilling:

Type	F-7000 (16ft) Aluminum Alloy version
Overall length	6 600 mm
Hole depth	4 400 mm
Rod length	4 915 mm
Weight	880 kg
Type or rods	Prepared for RODs R/T38-R32-HEX35

CARRIER

Diesel engine	Deutz TCD2012L04 - 100 kW @ 2300 rpm, liquid cooled
Tramming	Four wheel drive (Power shift)
Transmission	Dana Off-Highway
Torque converter	Transmission integrated
Axles	113 Dana Off-Highway front (LS 45%) and rear (open)
Articulation	Danfoss – Orbitrol controlled by steering wheel
Brakes	Fail-safe, wet multi-disc service brakes with additional fail-safe emergency-parking brake
Tires	12.00 x 20
Fuel tank	90 l
Fuel pre-filter	Included – filter installed in the line between fuel tank and engine
Electrical control system	24 V
Battery	2 x 12 V
Driving lights	4 x 35 W LED, low beam high beam – front, RED – rear incl. braking
Automatic centralized lubrication system	SKF
Hand pump to release emergency/parking brakes	

HYDRAULIC SYSTEM

Hydraulic pump	Axial-piston with load sensing for percussion and two gear pump for rotation and feed
Percussion	Approx. 170 bar
Feed	80 bar
Rotation	Max. 130 bar (anti-jamming)
Tank of oil with oil level indicator, return filter	260 l
Filtration	10 µm
Oil cooler	Water cooling system
Hydraulic oil	HV 68

WATER SYSTEM

Water booster pump	rotodynamic pump GRUNDFOS CRN5-14
Max. capacity	90 lpm
Min. inlet pressure	3 bar
Water hose reel capacity	80 m - 1" water hose included

AIR SYSTEM

Compressor	Screw type
Capacity	0,7 m³/min

ELECTRICAL SYSTEM

Motor	1 x 55 kW
Voltage	440V, 60Hz
Starting method	star/delta
Working lights	4x 50W LED front, 4x 50W LED rear
Cable reel capacity	100 m – cable included
Electric cable last turn lock	stops machine while electric cable is fully pulled out

ROCKDRILL

Montabert HC 95 LM

Efficient drilling range	45-76mm
Shank adapter	R38, T38
Weight	186 kg
Impact power	21 kW
Frequency	54-62 Hz
Impact energy	approx. 290 - 340 J per blow
Percussion oil flow	Approx. 120 lpm @ 160 bar
Rotation speed	275 RPM
Rotation torque	Max. 597 Nm
Rotation oil flow	60 l/min
Lubricator	5l tank, electrical drifter protection system
Penetration rate	1,8 – 2,0 m/min for a diameter 51mm and compressive strength of rock up to 100 MPa

ADDITIONAL EQUIPMENT INSTALLED ON THE MACHINE

HYDRAULICALLY EXTENDED CANOPY

Provide minimum tramming height 2,3m.
The canopy can be lifted up to 3,0m.

24V ELECTRIC PUMP TO FILL UP HYDRAULIC OIL (FOR MAIN HYDRAULIC SYSTEM)

FIRE SUPPRESSION SYSTEM

ANSUL activated manually

SPARE WHEEL

12.00 x 20" (including rim and tire)

TRAILING CABLE

100m, without plug