

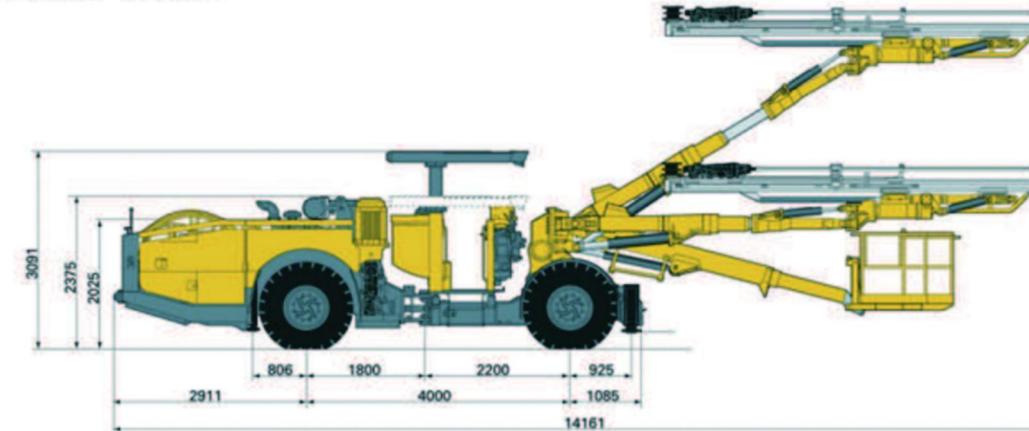
FK80-2BCDL are modern hydraulic face drilling rigs suitable for medium sized drifts and tunnels with cross sections up to 64 m². The rigs are equipped with a direct control system (DCS) that is robust and reliable. FK80-2BCDL is equipped with a heavy-duty boom and HYG550 rock drill for optimized productivity. For greater productivity, rig components are crafted for extreme durability, and systems are based on standard parts to make the rig easy and economical to maintain. When you need high performance drilling, you can rely on FK80-2BCDL to safely increase your production.

Standard Features

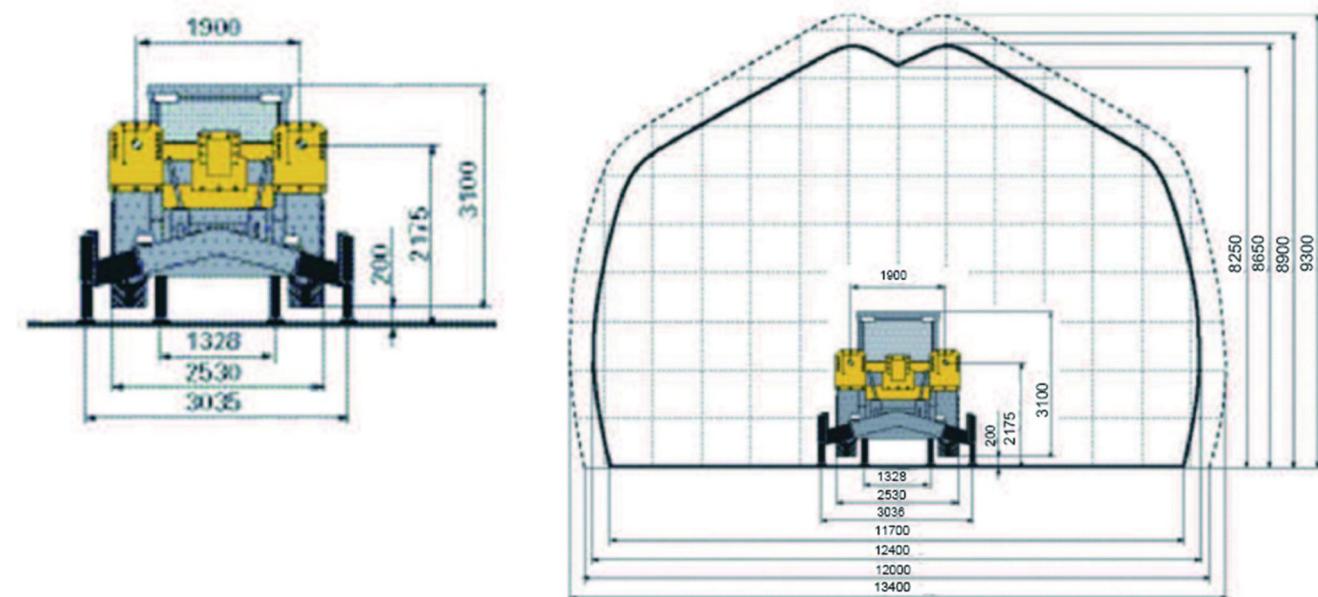
- Advanced PLC control system, telescopic drilling feed, and a FOPS-approved ergonomically designed telescopic protective roof ensures the best production efficiency.
- The telescopic feed is easily positioned and steadily stays in place during high impact drilling to help the miners to achieve desired rates in local ground conditions to boost the productivity.
- Equipped with patent-winning FOCOR series hydraulic rock drill, FOCOR series rock drilling machine has dual-damping system for shock wave absorption and continuous rock contact for high penetration. Lubricated and pressurized surfaces give long service intervals.
- The rig is powered by a strong diesel engine that currently offer powerful performance and low emissions to reduce environmental impact. The stable

four-wheel driven system provides the rig with stable and flexible movement.

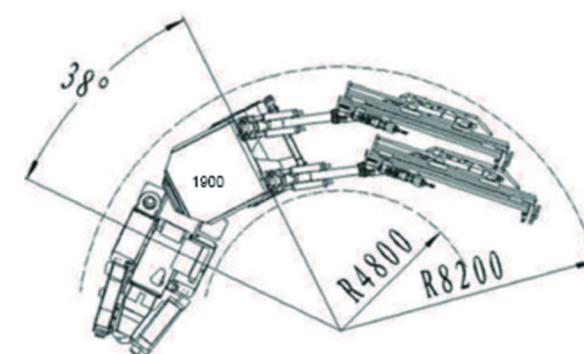
Side View



Coverage Area



Truning Radius





Technical Specifications

» Rock Drill

- FOCOR550
- Shank adapter R32 R38 T38
- Impact power 24kW
- Impact rate 60–75 Hz
- Hydraulic pressure, max 230bar
- Rotation motors: Separate rotation
- Rotation speed 0–300 rpm
- Rotation torque 980Nm
- Lub. air consumption 5L/s
- Water consumption 50L/min
- Weight 190 kg

» Feed

- HYTL
- Drill rod length: 5525mm Total length: 7110mm
- Drill rod length: 4305mm Total length: 5900mm

» Boom

- Feed extension 1800 mm
- Boom extension 1600 mm
- Parallel holding Complete
- Feed roll-over 360°
- Feed dump +70° /-45°
- Max. swinging angle ± 45°

» Control system

- Direct Electric Control System (DES)
- Anti-jamming included

» Hydraulic system

- Hydraulic pump Two separate units
- Pump unloaded at start
- System pressure. Max 200 bar
- Hydraulic oil tank, volume max 250 L
- Low oil level indicator including shut down
- Oil temperature gauge on oil tank, electronically supervised
- Electric oil filling pump
- Filtration 10 µm
- Oil filter indicator
- Water cooled oil cooler in stainless container
- Mineral hydraulic oil
- Two remote-controls

» Electrical system

- Total installed power 158 kW
- Main motors 2x75kW
- Voltage 380–1000V
- Frequency 50 – 60 Hz
- Starting method star/delta (380V– 690V)
direct (1000V)
- Thermal overload protection for electric motor
- Percussion hour meter on operator display
- Digital voltmeter / amperage meter in electric cabinet
- Phase sequence indicator/ Earth fault indicator

/Battery charger

- Transformer 8 kVA
- Cable reel, inner / outer diameter, mm Ø 660/1600mm

» Air system

- Compressor High quality
- Capacity max at 9bar 26 L/s
- Air pressure gauge

» Water system

- Hydraulic driven water booster pump
- Water booster pump max capacity at 15 bar 250 L/min
- Min. water inlet pressure, bar 2 bar
- Water flow guard/ water pressure guard

» Carrier

- Diesel engine Deutz TCD2013L04
- Power rating at 2300 rpm 120kW
- Torque at 1600 rpm 618 Nm
- Fixed seat for tramping with safety belt
- Articulated steering ± 38°
- Four-wheel drive
- FOPS roof
- Hydrostatic power steering system
- Hydrostatic transmission Clark 24000
- Front axle Dana 114
- Rear axle Dana 114 , ± 8° oscillation
- Front axle Automatic differential lock, limited slip
- Tyres 14.00 x R24

- Clearance outside axles Forward 19° , backward 14°
- Hydraulic jacks, front 2 extendable
- Hydraulic jacks, rear 2
- Service brakes 2 separate circuits (hydraulically applied, fully enclosed wet disc. brakes)
- Emergency and parking brakes SAHR
- Fuel tank, volume 100 L
- Electric system 24V
- Batteries 2x125 Ah
- Tramming lights 8 x 70 W
- Working lights 2x1000W
- Illuminated stairs for platform/ brake lights
- Central lubrication system
- Catalyser, silencer, spirit levels
- Gradeability at max load on drive wheels ... 1:4
- Traming speed on flat ground >14 km/h
- Traming speed on incline 1:8 >6 km/h
- Horn, beacon, and reverse alarm