

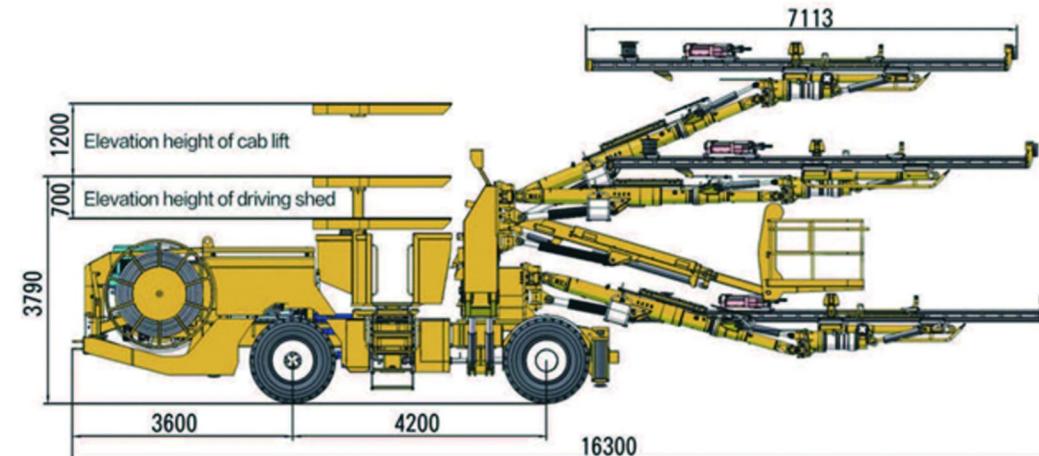
FK80-3BCDL is a perfect and powerful drilling rig suitable for large sized tunnels with extensive coverage areas up to 205 m<sup>2</sup>. The triple-boom with service basket makes it perfect choice for construction projects. Breaking ground is made easy thanks to the computerized intelligent control system and heavy-duty booms, which allows the miners to rapidly advance in the toughest rock conditions. The durable rig makes excellent investments given their long-lasting drill strings, high drilling accuracy and reduced over break.

### Standard Features

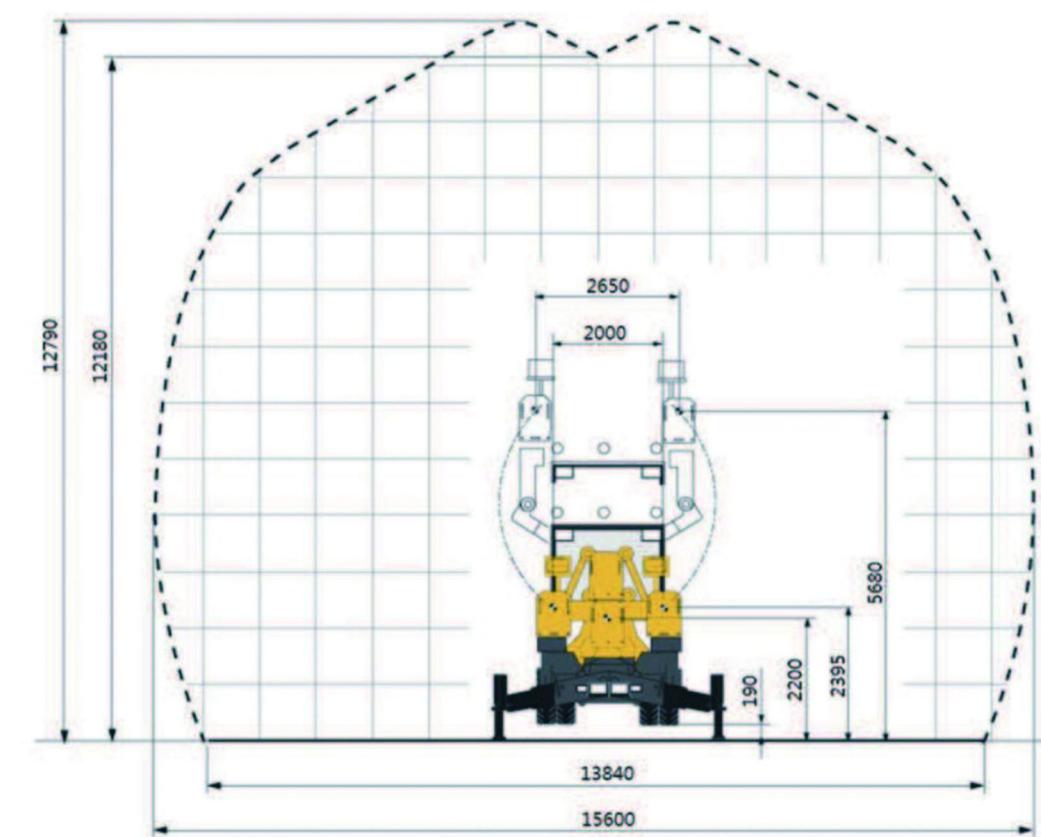
- Flexible and versatile thanks to the modular boom bracket design which aids in achieving the desired tunnel shape and the W/X - consoles for maximum width/height.
- Smart investment for the miners due to the reward wining FOCOR rock drilling machine. FOCOR rock drill is designed and produced by Focor Hydraulic, which gives the miners the cost - benefits advantage, and more efficient after-sale service.
- The rig is equipped with the intelligent control system which allows the operator to easily monitor and control all rig functions and maintain a better focus on safe drilling.
- The rig is powered by a strong diesel engine that currently offer powerful performance and low emissions to reduce environmental impact. The stable for

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

### Measurements



### Coverage area





## 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: 4305 mm, Total length: 5900mm

### » Boom

- Feed extension ..... 1800 mm
- Boom extension ..... 1600 mm
- Parallel holding ..... Complete
- Feed roll-over ..... 360°
- Feed dump ..... +70° /-30°
- Max. swinging angle ..... ± 45°

### » Control system

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

### » Hydraulic system

- Hydraulic pump ..... Three separate units
- Pump unloaded at start
- System pressure. Max ..... 210 bar
- Hydraulic oil tank, volume max ..... 755 L
- Low oil level indicator including shut down
- Oil temperature gauge on oil tank, electronically supervised
- Electric oil filling pump
- Filtration ..... 16 µm
- Oil filter indicator
- Water cooled oil cooler in stainless container
- Mineral hydraulic oil

### » Water system

- Electric driven water booster pump
- Water booster pump max capacity at 15 bar ..... 300 L/min
- Min. water inlet pressure, bar ..... 2 bar
- Motor ..... 15kW
- Water hose ( option ) ..... Ø 1800mm
- Water flow guard/ water pressure guard

### » Electrical system

- Total installed power ..... 200 kW
- Main motors ..... 3x55 kW
- Voltage ..... 400–690 V
- Frequency ..... 50–60 Hz

- Starting method ..... star/delta

- 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 ..... 12 kVA

- Cable reel, inner / outer diameter, mm ..... Ø 1020/1800mm

- Position indicator for cable reel

### » Air system

- Compressor ..... High quality
- Capacity max at 7bar ..... 15.7 L/s
- Motor ..... 7.5kW
- Air pressure gauge

### » Carrier

- Diesel engine ..... Deutz TCD2013L06 2V
- Power rating at 2300 rpm ..... 173 kW
- Torque at 1500 rpm ..... 907 Nm
- Fixed seat for tramping with safety belt
- Four-wheel drive
- Hydrostatic power steering system
- Hydrostatic transmission ..... Clark 32000
- Front axle ..... Dana 37R
- Rear axle ..... Dana 213 , ± 8° oscillation
- Front axle Automatic differential lock, limited slip
- Tyres ..... 14.00 x R24

- Clearance outside axles ..... 15°

- 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 ..... 150 L

- Electric system ..... 24V

- Batteries ..... 2x125 Ah

- Tramming lights ..... 8 x 70 W

- Working lights ..... 2x1000W

- Illuminated stairs for platform/ brake lights ..... 2x70W

- Central lubrication system

- Catalyser, silencer, spirit levels

- Horn, beacon, and reverse alarm

- Gradeability at max load on drive wheels ..... 1:4

- Traming speed on flat ground ..... >17 km/h

- Traming speed on incline 1:8 ..... >6 km/h

- Turning radius, inner / outer ..... 6700/12100 mm