

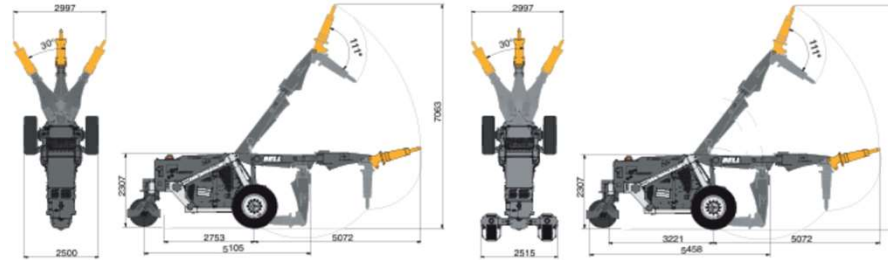


Technical Data - 220E Rockscaler GEN 2



| | | | |
|---|---|---|--|
| HAMMER | Aspirated Naturally | TYRES | HYDRAULIC SYSTEM |
| Atlas Copco SB302 | | Dimensions: Front 17.5 R25 L5 | Filtration type Suction |
| Option Atlas Copco SB202 | ISO/DIN Spec 3 046 IFN | Rear (dual) 35 x 15 - 15 | Filtration grade 20 µm |
| MEASUREMENTS | Power rating 56.5 kW @ 2 200 rpm | Type Tubeless, treaded | Cylinder rod surface treatment Chrome |
| Width, Dual tail wheel 2 515 mm | Torque, max 270 Nm @ 1 500 rpm | Wheel rim guards Rear tyre | FUEL |
| Width, Single tail wheel 2 500 mm | | | Fuel tank capacity 100 L |
| Length 5 105 mm | TRANSMISSION | STANDARD EQUIPMENT | Primary fuel filter 5 µm |
| Height 2 307 mm | Pump Eaton | Hour-meter Yes | Water separation Yes |
| | Type Variable Displacement, Tandem Axial Piston | Engine oil pressure and Temperature warning lamp Yes | OTHER |
| ENGINE | Control / Option Servo control via foot pedal linkage or servo control via electric pedal | Hydraulic temperature warning lamp Yes | Lubrication (Grease) Manual Auto Grease, optional |
| Engine brand /model Deutz F4L914 Tier 2 | | Alternator charge lamp Yes | Fire extinguisher Optional |
| Number of cylinders 4, in-line | Motor Poclain | Combined park & low charge pressure lamp Yes | SAFETY |
| Displacement 4 300 cm ³ | Configuration Double planetary reduction | Lighting (LED) 6 x 15 W Forward (1 500 Lumens) 2 x 15 W Rear (1 500 Lumens) | Door interlock standard Hydraulic emergency brake push button SAHR Brake test switch PDS ready, optional |
| Dry type air cleaner Yes | Travel speed 10 km/h | Beacon Light Yes | Electrical foot pedal option 1. Wheel speed interlock 2. Training app via android device |
| Remote engine oil drain Yes | Brakes SAHR Brakes Go / no-go gauge | Hooper Yes | |
| Type of cooling Air | | | |
| Exhaust rock protection Yes | | | |

Dimensions



Barring

7.1.

Stop at a safe place close to the face: Stop close the face. Apply park brake. Lower the boom. Switch off the machine. Disembark the scaler. Put stop blocks at the wheels.

7.2.

Confirm where to bar: Report to the miner and confirm the area to be barred. Drive to the specified area. The crew, operator and the Miner to conduct a pre-work risk assessment.

7.3.

Install barricade: The Miner or assistant must install a barricade at the entrance of the face. Note: Nobody is allowed in the face while barring takes place.

7.4.

Start barring: Start barring the most dangerous area at the hanging wall first, then start barring the sidewalls. Do not go into an unsupported area.

7.5.

Clean the footwall: Note: Replace themoil with a shovel. Clean the footwall from the face backwards. The footwall must be level to enable the drill rigs to drill the bottom holes properly.

7.6.

Re-evaluate the face: The Miner and his crew must re-evaluate the face to determine whether the face is barred solid and if the face is safe.

7.7.

Sign off declaration: The crew, operator and the Miner must sign off the declaration to declare the workplace safe.

7.8.

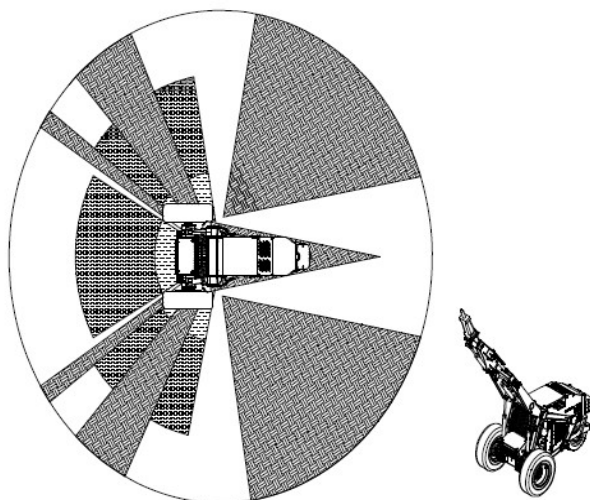
Remove the barricade: The Miner or assistant must remove the barricade at the entrance of the face. Crew can continue with their work.



MACHINE INFORMATION
VISIBILITY DIAGRAM

220E# ROCKSCALER VISIBILITY

NOTE:
THE ILLUSTRATION IS FOR THE MACHINE IN A WORKING POSITION WITH
THE BOOM IN AN UPRIGHT ORIENTATION



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7.2. Replacing (Installing) a shovel or moil

1.

Replacing the shovel or moil:

Two persons (The operator and the assistant) are required to lift the shovel / moil and guide the shovel / moil shaft into the boom chuck. Make use of the shovel handlers to lift the shovel / moil.

2.

Take up position to replace two sliding pins / flat locking keys: Once the shovel / moil is in position the assistant must hold the shovel / moil in position while the operator inserts the two sliding pins / flat locking keys from the top.

Note: Prevent the sliding pins / locking keys from falling through by covering the locking key holes underneath the chuck.

3.

Take up position to replace the lock pin:

Take up a safe position next to the boom to replace the lock pin.

Ensure firm footing.

The required PPE must be used.

Insert the 12mm lock pin from either side and let the assistant jiggle the shovel to let the 12mm pin move into position.

Use the sliding hammer to hammer in the pin should it be necessary.

4.

Place boom chuck holder at the scaler:

Place the boom chuck holder at the front of the scaler in the bracket provided for that purpose.

