



Original may vary from picture

Main features of the machine:

- Compact Scaler for holding a hydraulic hammer for use in underground mining
- Working height, max.: 8,0 m

Operating conditions:

- Operating temperature: -20°C *to +50°C
 - Permissible longitudinal gradient: max. 35%
 - Operating altitude above sea level: < 1.500 m
- * note cold start limit temperature of the diesel engine

Chassis:

- Divided chassis with articulated steering
 - Rigid mounted front axle and oscillating rear axle
 - Angel of oscillation: +/- 8°
 - Automatic lock function of the oscillation by swiveling the boom > ± 15°
 - Operating weight: 8.750 kg*
 - Payload, max: 300 kg
 - Permissible front axle load: 6.000 kg
 - Permissible rear axle load: 5.400 kg
- * depending on selected options

Boom:

- Heavy duty telescopic boom with two stages and hydraulic swivel function
- All bearings are made of wear-resistant material
- Lift cylinders with safety check valves
- Robust wiper to protect telescopic boom against dirt
- Rock protector at the boom to protect hydraulic fittings
- Rock deflector on top of the boom

Scraper blade:

- hydraulic lift
- mechanical swivel $\pm 8^\circ$

Diesel engine:

- Manufacturer: Deutz
- Type: BF 4M 2012
- Exhaust stage: EU stage II / EPA Tier 2
- Power: 74,9 kW at 2.300 min⁻¹
- Generator: 28 V, 55 A
- Starter: 24 V, 4.0 kW
- Cooling system: liquid cooled
- Cold start limit temperature: -15°C
- Fuel prefilter and fuel fine filter with water separator

Exhaust system:

- Catalyzer with measuring points before and after
- Silencer

Intake system:

- Dry air filter with pre-filter

Fuel system:

- Fuel tank capacity: 110 l
- Electric level indicator

Driveline:

- Hydrostatic propel drive
- driving direction can be changed under load
- All wheel drive
- Driving performance:
 - o Driving speed forward and reverse: 18 km/h
 - o Tow capacity: 53 kN
 - o Gradeability: 40 %

Axles:

- Manufacturer: DANA
- Type: 112
- Differential: 100%

Service brake:

- 2 circuit hydraulically operated brake, actuated by brake pedal
- In the axle housings located oil-immersed multiple disc brakes

Parking brake:

- Spring-applied, hydraulically released parking brake
- SAHR – Brake

Auxiliary brake:

- One circuit of the service brake

Tires:

- Dimension, Single tired: 9.00x20
- Foamed

Hydraulic system:

- Tank capacity: 2x65 l
- Two separate hydraulic circuits, one for hammer hydraulic and the other for driving and working hydraulic
- Inspection glasses for Min/Max indication
- Temperature sensor
- Electric level indicator, control of minimum level
- All screwing's in DIN type

Steering:

- Hydraulic-articulated steering with one double-acting hydraulic cylinder
- Steering wheel
- Emergency steering

Electric system:

- Operating voltage: 24 V
- Battery: 2 x 12 V, 74 Ah
- main switch
- Emergency stop button, 1x in the drivers stand, 1x outside
- Reversing signal

Lighting:

- 2 front headlights with high beam, low beam, parking light and indicator
- 2 rear lights with taillight, brake light, rear beam and indicator
- 2 LED-working lights at cabin roof front
- 2 LED-working lights at cabin roof rear
- 1 LED-working light at telescopic boom
- 1 LED flash light (yellow)

Driver's compartment:

- Open drivers stand:
 - ROPS/FOPS proofed
 - Entrance from left, emergency exit on the right
 - Safety glass on front, rear and in the roof
 - Wipers and washing plant on front and roof window
 - Hinged rock protection grid on front and roof windows
 - 2 side mirrors
 - Control of hydraulic hammer with foot switch or joystick
 - All switches and controls placed in the range of the operator
- Driver's seat:
 - with lap belt
 - Synthetic leather cover
 - Adjustment of back part and seating, height

Finish:

- RAL 1007 / 7016

Accessories and equipment (included):

- 1 Articulation joint lock
- 1 central grease bar
- 1 hand-held fire extinguisher Total PK 10 / BuT 10
- 2 chocks
- 1 Tool kit with bag
- 1 Safety helmet and ear protection
- 1 triangular safety reflector
- 1 first-aid kit

Documentation:

- 2 operating instructions, 1 in printed form in the document box on the vehicle
- Spare part list in electronic form

Options

Diesel engine:

- Manufacturer: Deutz
 - Type: BF 4M 2012C
 - Exhaust stage: EU Stage II / EPA Tier 2
 - Power: appr. 60 kW at 2.300 rpm *
 - Generator: 28 V, 80 A
 - Cold start limit temperature: -15°C
- *(4.000m above sea level at 20°C)

Diesel engine:

- Manufacturer: Deutz
- Type: TCD 2012 L04 2V
- Exhaust stage: EU Stage III A / EPA Tier 3
- Power: 74,9 kW at 2.200 rpm
- Generator: 28 V, 80 A
- Cold start limit temperature: -15°C

Diesel engine:

- Manufacturer: Deutz
- Type: TCD 3.6
- Exhaust stage: EU Stage 4 / EPA Tier 4f
- Power: 80 kW at 2200 rpm
- Generator: 28 V, 80 A
- Cold start limit temperature: -15°C

Hydraulic Hammer:

- Special hydraulic hammer for scaling operation
- Manufacturer: NPK
- Type: PH-2TS
- Operating weight: 260 kg
- frequency: 500 – 1200 min⁻¹
- Central lubrication system for hydraulic hammer
- moil chisel, long version

Hydraulic hammer:

- Manufacturer: Atlas Copco
- Type: SB 202
- Operating weight: 200 kg
- frequency: 850 – 1800 min⁻¹

Hydraulic hammer:

- Manufacturer: Atlas Copco
 - Type: SB 302 SC
 - Operating weight: 304 kg
 - frequency: 950 – 1250 min⁻¹
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Dust suppression system:

- Water tank 70 l
 - Water pump
 - Nozzle placed at hydraulic hammer
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Air pressurization of hammer:

- compressor
 - Air pressurization of hammer case to avoid contamination
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Driver's cap:

- Closed drivers compartment with ventilation and heating
 - Air conditioning unit
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Tires:

- 10.00x15 foamed
 - Spare wheel
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Screwing's:

- JIC-screwing's
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Remote control:

- Remote control complete
 - Remote control "plug in"
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Fire extinguishing system:

- HRD fire extinguishing with manual release
 - HRD fire extinguishing with automatic release
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Additional options:

- Automatic central lubrication
 - Electrical connectors with optimized corrosion protection through internal grease filling and external sealing with self-welding tape
 - 1 hand-held fire extinguisher made from ANSUL
 - Service packages for 2.000 operating hours
 - Service packages for 3.000 operating hours
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Further equipment and options on request
