



Original may vary from picture

### Main features of the machine:

- Compact mining machine for mounting a hydraulic hammer for underground mining
- Working height, max.: 8.0 m

### Telescopic boom with swivel function:

- Telescopic boom with two stages
- All bearings are made of wear-resistant material
- 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
- hoisting unit protected against falling rocks

### Operating conditions:

- Operating temperature: -20 °C \*up 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
- Emergency stop switch at the rear of the machine

### Weights and permissible axle loads:

- Operating weight: 10,000 kg\*
  - Payload,max: 400 kg
  - Permissible front axle load: 6,500 kg
  - Permissible rear axle load: 6,500 kg
- \* depending on selected options

**Diesel engine HRC:**

- Manufacturer / Type: Caterpillar / C 4.4
- Exhaust stage: EU stage III / EPA Tier 3
- Power: 97 kW at 2,200 rpm
- Exhaust system: Catalyser with measuring points
- Generator / Starter: 28 V, 100 A / 24 V, 4.5 kW
- Cold start limit temperature: - 15°C
- Fuel prefilter and fuel fine filter with water separator
- Manual fuel feed pump
- Engine monitoring and operating data on HRC diagnostic display
- Dry air filter with pre-filter

**Fuel system:**

- Fuel tank capacity: 130 l
- Electrical fill level indicator

**Driveline:**

- Hydrostatic propeldrive
- 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 %
- Operating data display on HRC diagnostic display

**Axles:**

- Manufacturer: Dana
- Front axle:
  - o Type: 112
  - o Differential: 100 %
- Rear axle:
  - o Type: 112
  - o Differential: open

**Service brake:**

- Hydraulic foot brake as 2-circuit brake system
- In the axle housings located oil immersed multiple disk brakes

**Parking brake:**

- Spring-applied, hydraulically released (SAHR)
- Hand pump to release the brake in case of system failure

**Auxiliary brake:**

- One circuit of the service brake

**Tires:**

- Single tired, air filled: 9.00x20
- Foamed

**Hydraulic system:**

- Tank capacity: 1 x 80 l, 1 x 100 l
- Operating pressure: 200 bar
- Two separate hydraulic circuits, for hammer hydraulics and travel drive/working hydraulics
- Inspection glasses for min/max indication
- Electrical fill level indicator
- Electrical filter monitoring
- All screw connections in DIN design
- Hand pump for filling the hydr. tanks
- Hand pump for tilting the cabin for maintenance work
- Hydraulic oil ATF

**Steering:**

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

**Electric system:**

- Operating voltage: 24 V
- Batteries: 2 x 12 V, 110 Ah
- Lockable battery main switch
- In case of driver absence, this is done automatically:
  - o shifting the traction drive to neutral gear
  - o activation of the parking brake

**Lighting (LED):**

- two headlights each for illumination of the road at close range and at long range
- parking lights, reversing lights, brake lights and directional lights
- four front headlights for the working area
- four rear headlights
- two work lights on the telescopic boom
- flashing beacons yellow

**Hill Start Assistant:**

- Automatic release / engagement of the parking brake

## Driver's compartment:

- Closed drivers stand
- Hydraulically tiltable for ideal visibility of the attachment
- ROPS/FOPS certified
- 3-point entry left, emergency exit right
- emergency stop switch
- Heating with ventilation and filter
- Sliding windows right and left
- Safety glass in front
- Wiper/washer system for front and rear window
- hinged rockfall protection grid for windscreen
- Interior lighting
- Document box
- Two exterior mirrors
- Operation Hydraulic hammer via foot switch or joystick, interval time and impact frequency adjustable
- HRC driver display 4.3"
- HRC diagnostic display 4.3" HRC
  - o active errors and error history
  - o Parameter changes with authorization levels
  - o Various operating data
- All drive relevant switches and controls are located within reach of the operator
- Driver's seat:
  - o with lap belt
  - o synthetic leather cover
  - o Adjustment of backrest and seat

## Finish:

- RAL 1007 / 7016

## Accessories and equipment (included):

- Articulated joint lock
- Central grease bar
- hand-held fire extinguisher Total PK 10 / BuT 10
- Two wheel chocks
- Tool kit with bag
- Safety helmet and ear protection
- Two triangular safety reflectors
- First aid kit

## Documentation:

- A printed version of the operating instructions in the document box on the vehicle
- Operating instructions, spare parts list and wiring diagrams in electronic form via online access

## Options

### Drive:

- Diesel engine, Manufacturer / Type: Caterpillar / C 4.4
  - o Exhaust stage: EU stage V / EPA Tier 4F
  - o Power: 92 kW at 2,200 rpm
  - o Exhaust system: DOC, DPF and SCR
  - o Cold start limit temperature: - 15°C
  - o Fuel prefilter and fuel fine filter with water separator
  - o Engine monitoring and operating data on HRC diagnostic display
  - o Dry air filter with pre-filter
  - o for fuels with a sulphur content < 10 mg/kg
- Fast speed version 30 km/h

### Work equipment:

- Hydraulic Hammer, Manufacturer / Type: NPK / PH-2TS
  - o Operating weight: 260 kg
  - o frequency: 500 - 1,200 min<sup>-1</sup>
  - o Central lubrication system for hydraulic hammer
  - o Extra long pointed chisel
  - o Spezial hydraulic hammer for scaling operation
- Hydraulic Hammer, Manufacturer/ Type: Epiroc / SB 202
  - o Operating weight: 200 kg
  - o frequency: 850 - 1,800 min<sup>-1</sup>
  - o Central lubrication system for hydraulic hammer
  - o Pointed chisel
- Hydraulic Hammer, Manufacturer / Type: Epiroc / SB 302 SC
  - o Operating weight: 304 kg
  - o frequency: 950 - 1,250 min<sup>-1</sup>
  - o Central lubrication system for hydraulic hammer
  - o Pointed chisel
  - o Dust suppression system:
    - o Water tank 130 l
    - o Water pump
    - o Flat spray nozzle on hydraulic hammer
  - o Air pressurization of hammer:
    - o Piston Compressor
    - o Air storage tank
    - o Air pressurization of hammer case to avoid contamination
  - o Front outriggers:
    - o Hydraulic telescopic outriggers
    - o Right and left fixed to the front of the vehicle
    - o vertically extendable
    - o Lowering brake valves in the hydraulic cylinders
  - o Mechanical quick change system
  - o PSDS - Paus vibration damping system automatic / deactivatable
  - o Five-Axis Boom

## Safety equipment:

- Lift cylinder with lowering brake valves
- Escape function
- Pre-installation "plug-in" for radio remote control
- Radio remote control
- Brake test
- Overpressure system driver's compartment
- Driver's seat 3-point seat belts (3-P)
- Seat contact monitoring driver's seat
- Belt monitoring driver's seat
- Inclination bar on display
- HRD Fire extinguishing system manual
- HRD fire extinguishing system automatic
- Hand fire extinguisher brand ANSUL \*  
\* Replaces Total PK 10 / BuT 10 hand fire extinguisher
- Gas detection system Methane (CH<sub>4</sub>)
- Rear view camera system
- Return signal acknowledgeable
- Heated exterior mirrors
- Rear window heating system

## Comfort equipment:

- Air conditioning
- HRC Driver's display 7"
- Radio with USB port
- Driver's seat with air suspension
- No door contact monitoring \*  
\* Only possible if seat contact monitoring or belt contact monitoring is selected.

## Lighting:

- two additional working lights on the front of the driver's compartment
- Rear working lights active while reversing
- Driving direction lights red / green
- Red flash light \*  
\* Replaces yellow flash lights
- Blue flash lights \*  
\* Replaces yellow flash lights

## Other options:

- Maintenance interval menu on HRC diagnostic display
- Hydraulic fittings JIC
- Paus Connect:
  - o telemetry unit for data transfer to the Paus Connect Cloud
  - o data transmission via existing WLAN and/or mobile phone networks
  - o intermediate storage of all data in the absence of connectivity (up to 30 days)
  - o access to the Paus Connect Cloud:
    - remote diagnosis/remote maintenance
    - statistical application evaluation
    - vibrational monitoring
    - two-way communication
    - authorisation of machine use
    - user administration with controlled data access
    - individual evaluations and statistics
  - o direct access at the machine to read out data
- External power socket for starter
- Extended sealing of connectors:
  - o Grease filling
  - o Sealing tape
- Central automatic lubrication system Basic vehicle
- Tires 10.00x15, foamed
- Spare wheel
- Service packages for 2,000 operating hours
- Service packages for 3,000 operating hours
- Additional 1 operating instructions and Spare part list in national language in printed form

Further equipment and options on request