



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:

- Lift cylinder with lowering brake valves
- 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 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 %
- 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: 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
- Load sensing, electro-hydraulically pilot-controlled
- Inspection glasses for min/max indication
- Electrical fill level indicator
- Electrical filter monitoring
- All screw connections in DIN design
- All hydraulic motors and pumps in cast iron
- 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

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 and head rest
 - 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⁻¹
 - 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 T
 - o Operating weight: 199 kg
 - o frequency: 1,250 - 1,700 min⁻¹
 - o Central lubrication system for hydraulic hammer
 - o Pointed chisel
- Hydraulic Hammer, Manufacturer / Type: Epiroc / SB 302 T
 - o Operating weight: 315 kg
 - o frequency: 950 - 1,250 min⁻¹
 - o Central lubrication system for hydraulic hammer
 - o Pointed chisel
- Dust suppression system:
 - o Water tank 130 l
 - o Water pump
 - o Flat spray nozzle on hydraulic hammer
- Air pressurization of hammer:
 - o Piston Compressor
 - o Air storage tank
 - o Air pressurization of hammer case to avoid contamination
- 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
- Mechanical quick change system
- PSDS - Paus vibration damping system automatic / deactivatable
- Five-Axis Boom

Safety equipment:

- Escape function
- Pre-installation "plug-in" for radio remote control
- Radio remote control
- Brake test
- Hill Start Assistant:
 - o Automatic release / engagement of the parking brake
- 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 (CH₄)
- 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

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