



## PG 10 HA

### Compact grader for use in underground mining

- High tractive force
- Good visibility with a comfortable cabin
- Optimized machine performance and lower operating costs
- Simple and intelligent operation
- Durable, robust machine construction

# Technical data

5520-01-000 - 18.04.2026

## DEFINITION OF OPTION / OPTIONAL EQUIPMENT

13667-2

In the following, the selectable equipment of the machine is identified by the terms "option" or "optional equipment."  
 The option describes equipment that can be selected in addition to the standard machine.  
 The optional equipment describes equipment that replaces other equipment on the machine.

## KEY FEATURES OF THE MACHINE

13281-2

Compact grader for use in underground mining

- Hydraulically actuated center moldboard with wear-resistant, replaceable main and side blades
- Flat cabin construction with optimized view of the center moldboard

## SAFETY FEATURE

14097-2

All machines are designed and manufactured in accordance with the applicable legal requirements. They offer a correspondingly high level of safety for users.

Some safety features at a glance:

- ROPS/FOPS protective canopy
- Battery main switch, lockable
- EMERGENCY STOP button: 1x in driver's cab, 1x outside
- Engine start warning with startup delay
- Audible reverse signal
- 3-point safety entry
- Emergency exit
- Non-slip and color-contrasting entrances and exits
- Articulation lock

The following happens automatically in the case of operator absence:

- Travel drive gear shift in neutral position
- Parking brake is activated

## OPERATING CONDITIONS

12998-5

Permitted ambient temperature \* -20 °C to +40 °C

\* *Observe the cold start limit temperature of the engine*

Permitted longitudinal inclination, maximum 35 %

Operating height without power reduction, maximum < 1,500 m

## WEIGHTS AND LOADS

13282-2

Operating weight \* 10,500 kg

Permitted front axle load, maximum 5,000 kg

Permitted rear axle load, maximum 7,500 kg

\* *Depends on selected options and optional equipment*

## CHASSIS

13283-3

Articulation angle, maximum ±10°

- Split chassis with articulated steering and steering axle
- Fixed rear axle and oscillating front axle
- Front and rear tow rings
- Transport rings for assembly and shaft transport
- Additional weight on front frame \*

\* *Can be replaced or supplemented by options.*

## ENGINE

13284-6

### CUMMINS QSB 4.5-C160 T3 diesel engine

Manufacturer CUMMINS

Type QSB 4.5-C160 T3

## Technical data

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Emission standard EU	Stage III A
Emission standard USA	EPA Tier 3

USA certification	MSHA
Canada certification	CANMET

Output	127 kW
At speed	2,500 rpm

Alternator	24 V 95 A
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Starter motor	24 V 7.8 kW
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Cold start limit temperature	-15 °C
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- Catalytic converter with measuring points
- Fuel prefilter and fuel fine filter with water separator
- Dry air filter with pre-separator
- Liquid-cooled

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### ENGINE (OPTIONAL EQUIPMENT)

#### CUMMINS B 4.5L diesel engine

Manufacturer	CUMMINS
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Type	B 4.5L
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Emission standard EU	Stage V
Emission standard USA	EPA Tier 4

Output	123 kW
At speed	2,200 rpm

Alternator	28 V 100 A
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Starter motor	24 V 4 kW
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Cold start limit temperature	-15 °C
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Exhaust after-treatment	DOC DPF SCR
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- Catalytic converter with measuring points
- Fuel prefilter and fuel fine filter with water separator
- Dry air filter with pre-separator

13286-1

### FUEL SYSTEM

Fuel tank capacity	170 L
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- Electric level indicator
- Shut-off valve to prevent fuel leakage in the event of a hose breakage

13287-1

### DRIVE

Forward speed, maximum	20 km/h
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Reverse speed, maximum	20 km/h
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Tractive force, maximum	70 kN
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Gradeability, maximum	35 %
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- Hydrostatic drive
- Drive reversible under load
- All-wheel drive

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### AXES

Manufacturer	DANA
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Front axle type	212
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Front axle differential	Open
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Rear axle type	112
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Rear axle differential	Lockable, 100 %
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### SERVICE BRAKE

11330-3

- Hydraulic foot brake as 2-circuit external force brake system
- Wet brake in oil bath

- Inspection gauges for min/max level display
- Temperature sensor
- Electrical fill level monitoring
- All fittings as JIC version

### PARKING BRAKE

11332-1

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

### HYDRAULICS (OPTIONAL)

13376-1

- Manual pump for filling the hydraulic fluid reservoir
- Electric pump for filling the hydraulic fluid reservoir

### EMERGENCY BRAKE

11333-1

- One circuit of the service brake

### ELECTRICAL SYSTEM

12243-6

Operating voltage	24 V
Number of batteries	2 pcs.
Battery voltage	12 V
Battery charge	110 Ah

### TIRES

13247-1

Tire size	12.00x20
Tire filling	Air

### ELECTRICAL SYSTEM (OPTIONAL)

12822-3

- Jump start socket
- Enhanced sealing of the connectors with grease filling and sealing tape

### TIRES (OPTIONAL EQUIPMENT)

13248-1

Tire size	12.00x20
Tire filling	PUR

### STEERING

13235-1

- Hydraulic articulated steering with a double-acting hydraulic cylinder
- Joystick steering
- Emergency steering

### HYDRAULICS

11335-2

Hydraulic tank capacity	110 L *
<i>* depending on selected options</i>	

### LIGHTING

13310-2

All headlights and lights as LED variants:

- Two headlights for road illumination, one each for low and high beam
- Two rear tail lights, with reversing light, parking light, brake light and turn signal
- Parking light and front turn signal
- Four front headlights on the cab roof for the close-range area
- Four rear headlights on the cab roof for the close- and long-range area, automatically activated in reverse gear
- Two headlights to illuminate the main moldboard
- Two yellow flashing lights

- Rearview camera system
- All driving-related switches and operations within easy reach of the operator

### LIGHTING (OPTIONAL)

13560-1

- Turn signal lights red / green
- Two additional working lights to illuminate the center moldboard

### CAB

#### Driver's seat

- Lap belt
- Vinyl cover
- Adjustable backrest and seat surface
- Height adjustable

#### Open cabin

- Open cabin with half door
- Emergency exit
- Front window with laminated safety glass
- Rear and side windows with single-pane safety glass
- Wiper/washer system for windshield
- Ventilation for windshield
- Interior lighting
- Document box
- Two mirrors

13465-6

### DRIVER'S CAB (OPTIONAL EQUIPMENT)

13312-7

#### Driver's seat

- 3-point harness
- Headrest
- Vinyl cover
- Adjustable backrest and seat surface
- Height adjustable
- ARMREST

#### Enclosed cabin

- Enclosed cabin with door and sliding windows
- Emergency exit, right
- Heater
- Front window with laminated safety glass
- Rear and side windows with single-pane safety glass
- Wiper/washer system for windscreen and rear window
- Ventilation for windshield
- Interior lighting
- Document box
- Two mirrors
- Rearview camera system
- All driving-related switches and operations within easy reach of the operator
- 1-DIN installation slot for radio or two-way radio unit, compliant with DIN ISO 7736 and ISO 10487

### DRIVER'S CAB(OPTIONAL)

13559-5

- Reverse signal acknowledgeable
- Air conditioning system
- Driver's seat contact switch
- Driver's seat seatbelt contact switch
- Brake test function
- Tire pressure monitoring

## Technical data

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### WORK EQUIPMENT

13471-1

#### Center moldboard 3 m

Working width	3,055 mm
Displacement range	+/-500 mm
Height	500 mm
Working depth, maximum	310 mm
Cutting angle, maximum	41-62 °
Swivel angle, maximum	+/-45 °

#### Ripper hook

Working width	1,500 mm
Number of teeth	5 pcs.

- Towing frame with hydraulic height adjustment, mounted behind the front axle
- Replaceable teeth

12818-6

### FIRE PROTECTION

- Handheld fire extinguisher

### WORK EQUIPMENT (OPTIONAL EQUIPMENT)

13473-1

#### Center moldboard 2.5 m

Working width	2,500 mm
Displacement range	+/-500 mm
Height	500 mm
Working depth, maximum	310 mm
Cutting angle, maximum	41-62 °
Swivel angle, maximum	+/-45 °

### FIRE PROTECTION (OPTIONAL EQUIPMENT)

12993-3

- HRD fire suppression system (PROTECFIRE) with manual trigger and dry chemical extinguishing agent
- HRD fire suppression system (PROTECFIRE) with automatic trigger and dry chemical extinguishing agent
- HRD fire suppression system (ANSUL) with manual trigger and wet agent solution
- HRD fire suppression system (ANSUL) with automatic trigger and wet agent solution
- Portable fire extinguisher (ANSUL) with 7.7 kg of dry chemical extinguishing agent

### WORK EQUIPMENT (OPTIONAL)

13476-3

- Extension piece for center moldboard 375 mm
- Center moldboard blade with hard metal pins
- Center moldboard float position, electrically switched
- Center moldboard suspension

### PAINTWORK

13450-1

Driver's cab color	RAL 7016
Chassis color	RAL 1007
Drive components color	RAL 9005

#### Front dozer blade

Working depth	80 mm
Working width	2,100 mm

- Hydraulic height adjustment
- Mechanical parallel guide

## ACCESSORIES

12249-5

- Two wheel chocks
- Two hazard warning triangles
- Tool bag
- Safety helmet and hearing protection
- First aid kit

## ACCESSORIES (OPTIONAL)

- Spare tire
- Expanded tool kit
- Holder for self-rescuer
- Central lubrication system

## DOCUMENTATION

11344-3

- A printed operating manual in the local language in the document box
- Operating manual, spare parts list and circuit diagrams in electronic form via online access

## DOCUMENTATION (OPTIONAL)

12825-4

- An additional operating manual in local language, in printed form, included with the machine
- A spare parts list in local language or English, in printed form

## MAINTENANCE KITS (OPTIONAL EQUIPMENT)

12824-3

- Service package, 2000 operating hours
- Service package, 3000 operating hours
- Service package, 5000 operating hours

## PAUS CONNECT CLOUD (OPTIONAL)

11355-8



The PAUS CONNECT CLOUD collects and visualizes data, messages or location information of the machine.

The data is transmitted to the cloud using a built-in telemetry unit.

Your advantages:

- Faster service
- Lifecycle cost management
- Data transmission via existing wi-fi and/or cellular networks
- Data buffering of all data in case of no connectivity (up to 30 days)
- Access to the PAUS CONNECT CLOUD
- Remote diagnostics/remote maintenance
- Statistical usage analysis
- Vibration monitoring
- Individual evaluation and statistics

## CUSTOMER SERVICE

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Repair work and maintenance work are central points in customer support. Here, PAUS is broadly positioned and offers its customers and dealers worldwide an extensive service program. Trained employees are available on our service hotline, as are competent contact persons at our local dealers.

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### SPARE PARTS

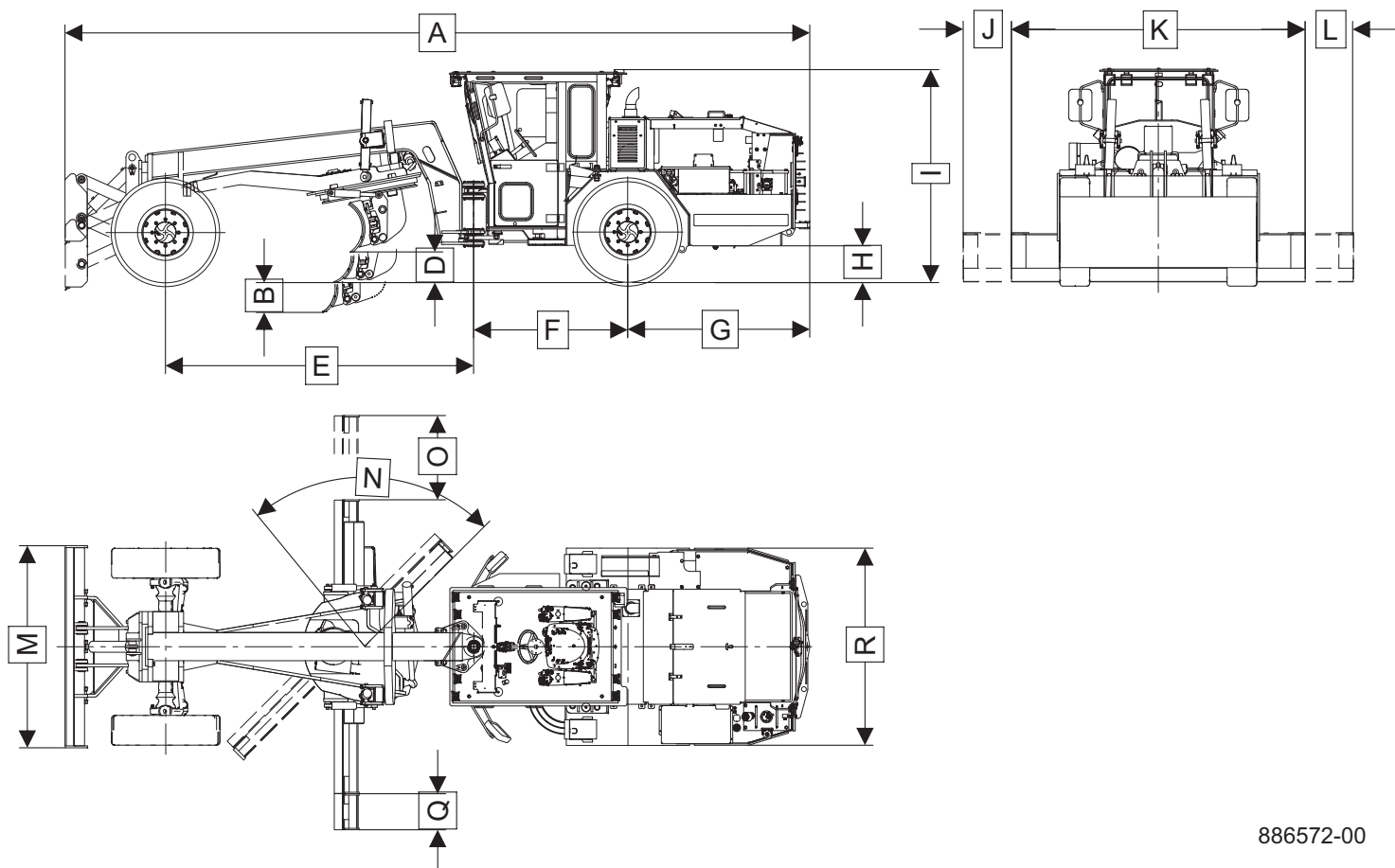
We attach great importance to a high level of availability of PAUS spare parts. In addition to maintenance and service parts, which are available at any time, customers and dealers are able to purchase spare parts for engines, axles, transmissions, etc. easily and quickly through us. Benefit from our on-line catalog with refined spare parts lists.

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## DIMENSIONS

13551-2



886572-00

Dimension	Value	Unit
A	7,750	mm
B	310	mm
C	-	mm
D	315	mm
E	3,200	mm
F	1,600	mm
G	1,890	mm
H	390	mm
I	2,225	mm

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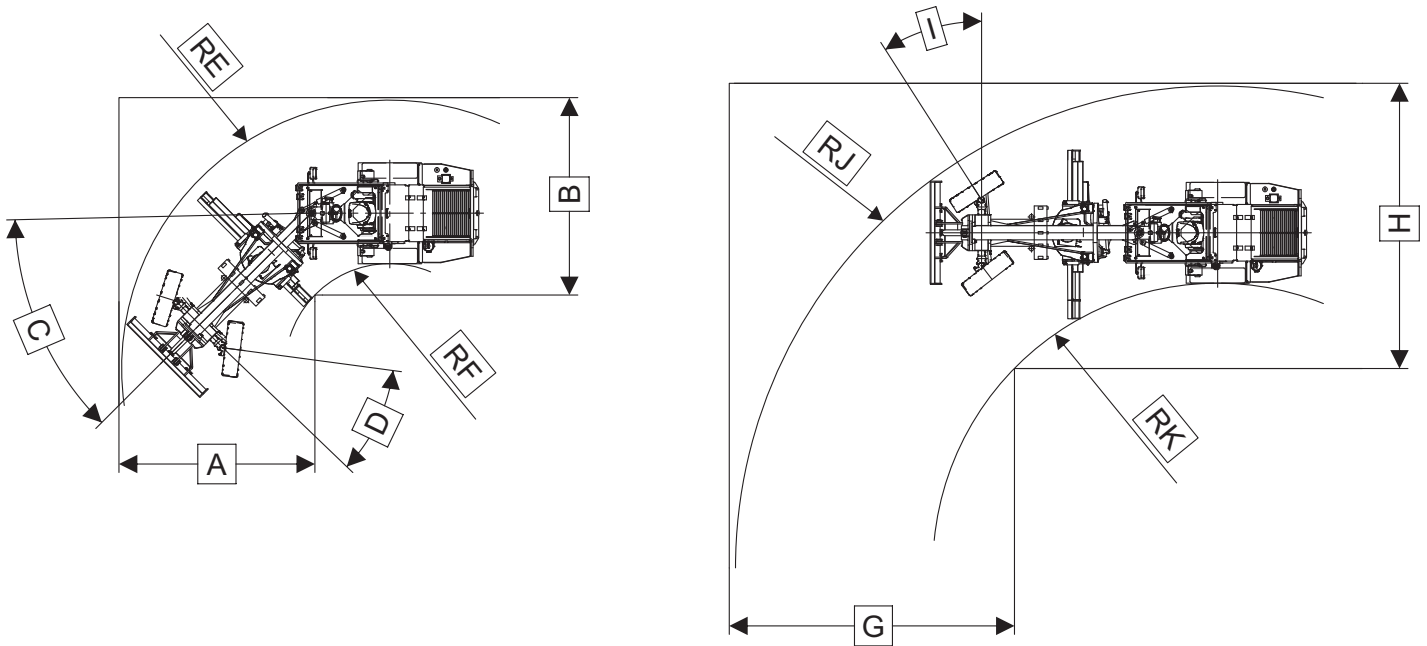
Dimension	Value	Unit
J	500	mm
K	3,054	mm
L	500	mm
M	2,100	mm
N	±45	°
O	875	mm
Q	375	mm
R	2,050	mm

## Technical data

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14973-1

### TURNING RADII



Dimension	Value	Unit
A	4000	mm
B	4000	mm
C	45	°
D	38	°
RE	5450	mm
RF	2100	mm
G	5800	mm
H	5800	mm
I	38	°

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Dimension	Value	Unit
RJ	9800	mm
RK	5800	mm