

Chassis Requirements

Dimensional requirements

- Vertical or horizontal exhaust pipe.
- Pneumatic or asymmetrical rear suspension to get the chassis cut suitable for each equipment, as indicated in the BWC. From the indicated cut position, the chassis must be clean of elements or accessories, on the contrary, their relocation will be necessary.
- Rear axle chassis working heights from top of frame to floor:
 - 1000mm \pm 20 mm with pneumatic suspension.
 - 1100mm \pm 20 mm with mechanical suspension.Higher heights as 4x4 chassis will lead problems while unloading bins due to the height of lifter comb.
- Equipment that incorporates the irrigation option need an element-free space of 1000mm between axles on the right side (see diagram, red area).

PTO requirements

Manual or automatic gearbox with preparation for a PTO.

In case of PTO supplied with the chassis, it should be direct to engine or gearbox, with a minimum torque of 300Nm at 1000 rpm and a speed ratio close to 1:1 and output for direct connection DIN5462. If it is not possible, output should be DIN100x6x8.

In case of pump in frontal PTO or crankshaft, chassis must come with AEBS disabled.

With a CNG Chassis PTO should be continuous, direct to engine or to automatic gearbox. Wheelbase should be checked because it can be longer than usual. **Please always contact Engineering with a CNG chassis.**

Equipment with irrigation option needs a PTO direct from engine.

Electric requirements

The electronic control unit must be able to accelerate and decelerate the engine from idle to a certain value by means of an external signal. This operating system must have the neutral gear signal "active" as a safety condition.

For the irrigation equipment option, the electronic switchboard must be able to interpret two independent inputs. One with fixed rpm and stopped truck (for BW) and another one with variable rpm and truck with the possibility to move with the PTO activated (for irrigation equipment).

Signals to be interpreted or supplied (EN1501):

- Neutral gear engaged.
- Speed limit 30 km/h.
- Stop-Motor
- Acceleration
- Engine ON.
- Accept a signal from the BW to disconnect the PTO so that when the signal is active, the PTO will remain activated until it is manually deactivated (as in all chassis), once the PTO is disabled it cannot be re-activated until the signal stops.

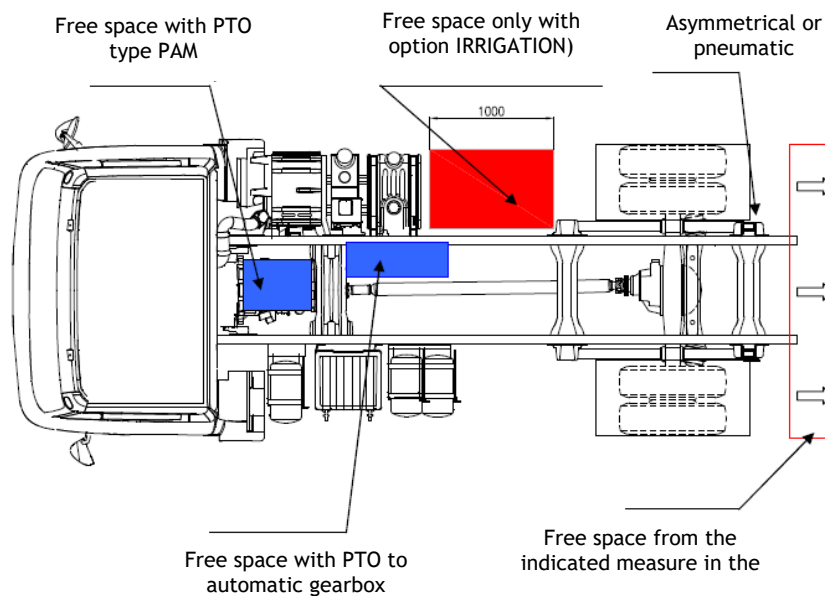


If the equipment requires the assembly of front elements such as irrigation frontal bar or other elements intended for irrigation, the AEBS system must be disabled by the truck manufacturer.

Requirements for HOT WATER Bin Washers

An output and return of diesel from the fuel tank of the chassis is required in order to use diesel for the heating water system (our need is 18l/h maximum).

Necessary space to assemble elements



NOTE: ROS ROCA reserves the right to change the specification, design, material, procedures and dimensions of the vehicles described herein without prior notice at any time in the future, in accordance with the company's constant product improvement policy.