

ASSEMBLY GUIDELINES FOR RSBOX9000



In the first step, you should determine the place where the cabin is to be placed and check the remaining dependencies:

1. Demand for electricity
 - a. Minimum 18 kW

Note: Protection of the electrical installation with the appropriate value and time delay for three-phase electric motors (approx. 62A type C or D).
In the case of cabs with inverter control, suitable ones should also be provided residual current protection. Electric wire with a minimum cross-section of 5x6 mm²
2. Determining the location of the cabin generator: RIGHT, LEFT
3. The need to lead a five-wire cable (min 5x6 mm²) to power the cabin, to the place where the control panel is installed - on the right or left side of the side walls at the service entrance. The grounding of the spray booth must be taken into account.
4. Prepare a local earth connection for the cabin - connect it to the moat structure (I-beams supporting the platform gratings).
5. Gas supply (**option**):
 - Minimum supply gas pressure 20mbar = 2kPa
 - Maximum pressure of supplied gas 40mbar = 4kPa
 - Natural gas consumption 11/12 - 24.6 m³/h (GZ50) (maximum value, it is not continuous consumption)
 - LPG gas consumption - maximum 34kg/h(More information later in this document, only for BSSD gas burners)
6. Oil supply - it is necessary to determine the location of the fuel oil tank (distance not greater than 20-25 m from the location of the burner).
 - Fuel oil consumption 11-22l/h
7. It should be noted whether the elements of the building structure, especially the roof, will not enter the outline of the cabin - based on the comparison with the given dimensions of the cabin.

EXTERNAL cabin dimensions: 7.1m x 4.1m x 3.65m (cabin based on 30 cm base)

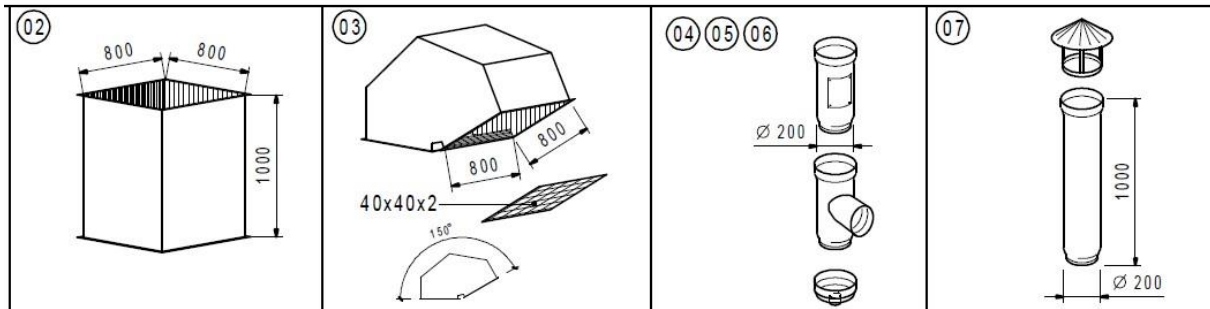
Dimension WITH GENERATOR: 7.1m x 5.83m x 3.65m

GENERATOR dimensions: 3.86 m x 1.73 m (with connector)

Distance of the generator from the cabin: 28cm

The lowest structural point of the roof under which the cabin stands: 4.00 m

8. Pay attention to the structure of the roof - the possibility of passage of ventilation and flue gas chimney - the way of making the holes:
- Ventilation - 2 openings (1 ventilation duct is 80cm x 80cm)
 - Exhaust chimney - 1 hole (20 cm diameter chimney) - if the cabin is equipped with a heat exchanger.



The height of the channels together with the cabin is up to 6 m from the floor level, calculated with the generator. Holes and seals are made by the customer, in consultation with the contractor, during the installation of the cabin.

9. Be sure to keep the minimum distance from the building structure and around places where the cabin is serviced.
- Minimum 60cm around the cabin generator for filter replacement or engine service
 - The wall of the cabin opposite to the generator can be placed in contact with the wall of the building.
10. Attention should be paid to the possibility of carrying out construction works in the workshop floor - e.g. the presence of deeply anchored pillars of the building, passing in the ground floor of the installation, etc.
11. Concrete class minimum B-20

NOTE - ONLY FOR CABINETS WITHOUT BASE:

- ❖ Depth of the moat under the cabin, generator, and connecting channel - 80cm from the "0" level
- ❖ Dimensions of a single moat platform grating: 100cm x 78cm x 3cm, for a load of 500kg per wheel track, 100cm x 78cm x 4cm, for a load of 800kg per wheel track.
- ❖ Grille dimensions - 3 rows of 5 grilles (234cm x 500cm)
- ❖ Non-standard dimensions of the cabin, larger than 7m x 4m x 2.8m - according to individual arrangements.
- ❖ It is recommended to make the side walls of the basin from blocks or steel formwork, for the accuracy of dimensions.
- ❖ Minimum concrete class B-20

During the construction of the moat, VERY EXACT DIMENSIONS OF THE ANGLE SECTIONS IN WHICH THE PLATFORM GRATINGS ARE FIXED must be kept. Their imprecise execution results in the need to cut the finished gratings, or the need to modify the structure!

- ❖ I-beam or Hab. Used for the structure supporting the grille, with dimensions 120mm x 120mm x 120mm (minimum 80 x 80 x 80mm)
- ❖ Angle bar anchored to the right and left wall of the building with dimensions of 35mm x 35mm for the 500kg grate and 45mm x 45mm for the 800kg grate

During the assembly of the cabin, after making the spout according to our designs, it is possible to correct the position of the generator along its length, in the range of about 20 cm.

Drawing of the cabin with the generator placed on the side:

