



daBo

Noise reduction solutions

Assembly Manual

dabo-solutions.com

Assembly Manual

daBo Classic & Large

daBo Classic

1 x package - Large

- Dimensions: B 121 x D 110 x H 15cm
- Weight: ca 22 kg

1 x package - Small

- Dimensions: W 111 x D 53 x H 15cm
- Weight: approx. 20 kg

daBo Large

1 x package - Large

- Dimensions B 160 x D 120 x H 15cm
- Weight: approx. 23 kg

1 x package - Small

- Dimensions: W 120 x D 53 x H 15cm
- Weight: approx. 20 kg

Overview of materials required:

- Screwdriver with socket wrench size 8.
- Measuring tape.
- Fasteners to attach the daBo to the surface of the façade/fence; these are not included as standard.

View instructional video



Contents of LARGE package

1 piece	Front panel noise barrier dimensions: Classic: W 120 x H 93 cm – Large: W 157.5 x H 102 cm
1 piece	Plastic sound absorption panel for façade/fence (white or black) Dimensions Classic: W118 x H 108 x D 40 cm - Large: W120 x H 120 x D 40 cm
2 pieces	Top corner profile 12.5 x 12.5 x 2
4 pieces	Ground anchors 9x9cm
40 pieces	Self-drilling 4.8x25 with ring for fastening: • Side panels on front panel • Top corner profile on screen panels • Ground anchors on side panels • Air stoppers on side walls and on 1x underside on bigfoot
5 pieces	Plastic grey mounting disc, diameter 60 mm, for attaching facade/fence panels
1 piece	Rain profile for sound-absorbing façade panel
3 pieces	Air stoppers • 2 pieces for side walls 100x5x75 cm • 1 piece for bottom 143x143x75 cm



Contents of SMALL package

2 pieces	Side panel. Dimensions Classic: 51 x H 108 cm - Large: 51 x H 117 cm
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Assembly steps

1 Place the large package flat and horizontally on the ground near the heat pump.

2 Open the package containing the plastic sound absorption panel at the top. Set the plastic sound absorption panel aside. The perforated side of the front panel is facing upwards. Leave the front panel on the cardboard to prevent damage.

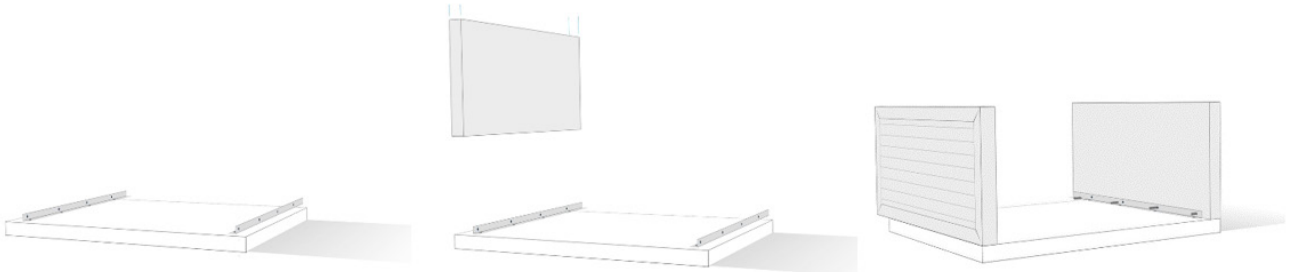
3 Take 1 side panel out of the small package and position it on the edge of the horizontal front panel.

- The bottom of the front panel can be recognised by the drainage hole.
- The bottom of the side panel can be recognised by the two screw heads and drainage hole.
- Position the side panel tightly against the steel corner line on the front panel with the perforated side* facing inwards.
- Position the top of the side panel exactly flush with the top of the front panel (see illustration on the right).



4 Screw (4x) the side panel to the corner line in the pre-drilled holes. Securely fastened.

5 Repeat steps 3 to 4 above to assemble the second side panel.



6 Attach the 4 ground anchors to both side screens using the screws provided.

7 Fit the top corner profiles at the top of both corners of the screen using the screws (see illustration on the right); position the brackets approximately 0.5 to 1 cm below the top edge of the screen panels. Securely fastened.

* Perfo side = Inside = Heat pump side

8 Fit the air stopper (14.3 x 14.3 x L75 cm) with the screws provided on or between the bigfoots, so that the air gap underneath the heat pump is minimal.



Assembly steps

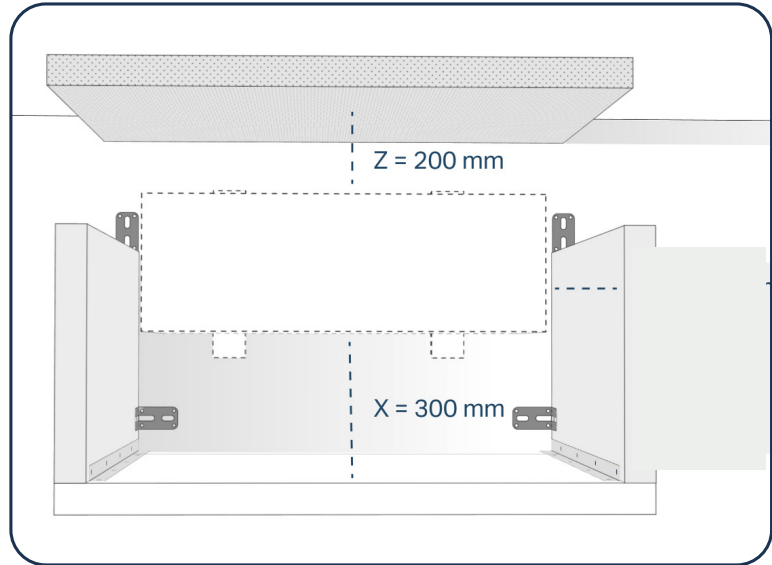
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The minimum distance (**X**) from the noise barrier to the outdoor unit, in relation to air resistance, is based on results obtained with a test unit in a daBo Classic. Distances from other outdoor units must be determined in consultation with the manufacturer/installer.

The distance between the outdoor unit and the façade (**Z**) must be maintained to a minimum, however, according to the manufacturer/installer.

Distances from the test with daBo Classic

- X = 30 cm
- Z = 20 cm



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Tilt the sound screen to the upright position and place the screen around the heat pump. Position the daBo approximately 30 cm from the front of the unit (or as specified by the manufacturer, see also explanation in point 10). Then position an air stopper (100 x 50 mm) on one of the side walls of the screen. Start the stopper at the bottom from the edge and align it as closely as possible with the front of the heat pump. Secure the stopper with the 2 £screws supplied. Repeat these steps for the other side.

Mark the holes for the ground anchors on the surface for fastening. Remove the daBo screen. At your discretion: pre-drill the marked holes and insert plugs. Replace the daBo and secure the corner anchors to the surface using a suitable and appropriate fastening method.

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Mount the plastic sound absorption panel (white or black) behind the heat pump against the rear façade/ fence, aligned with the position of the screen. Use a Stanley knife to cut any necessary recesses or adjustments out of the panel.

Secure the panel with the 5 grey mounting discs and a suitable fastener to be determined on site. Place the rain profile above the panel using a suitable and appropriate fastener.