

Cinderella[®]



CINDERELLA TRAVEL Model Cinderella Travel

 Made in Norway



Cinderella Travel Installation Manual

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Installation of Cinderella Travel (Serial number):

GENERAL INFORMATION



It is important to read this guide from start to finish and consider all the details of installing Cinderella Travel before you begin with the actual documentation and installation.

Temperatures indicated in the instruction are the maximum temperature you may expect with proper installation. Improper/faulty installations may result in higher temperatures.

WARRANTY

The three (3) years warranty of the Cinderella Travel will be null and void if found that an improper installation is carried out. Improper installation may affect the following:

- Service intervals
- Incineration efficiency
- Lifetime of the toilet or parts
- Warranty

PLANNING THE INSTALLATION

Before you begin, you should prepare a plan to cover several important elements. These elements include:

- Be sure to check that you have sufficient space surrounding the toilet for ease of use and access for service and maintenance
- Feeding and mounting the exhaust hose through the roof
- Feeding and mounting the inlet air hose through the floor
- Hatches for access to connections
- Power cable routing
- Gas supply routing
- Location of the control panel

INSTALLATION

SKETCH OF AN INSTALLATION



Illustration 1

PLACING THE TOILET

The toilet has a Build-in module that must be built into the wall. You can also create a box around the Build-in module. Clearance between Build-in module and rear wall is recommended, approx. 5 mm. Please note that recommended panel thickness is 8 mm, and a thicker panel will reduce the space for insulation around the exhaust hose. Sufficient insulation space must be maintained, in order to maintain the insulation properties.

If the floor is molded in a hard plastic material, preventing you from placing the toilet where you would prefer it, the material may need to be removed, and a new floor installed, unless it is possible to modify parts of the floor. You should consider that the ash container insert regularly must be emptied. This will require at least 40 cm space in front of the toilet. There must be at least 5 cm clearance on each side of the toilet but keep user comfort in mind and provide extra space if possible.

The toilet has four fixing points to the floor. Remove ash container for access. If the bathroom has floor heating, take precautions when fixing the toilet to the floor. We also recommend that you place bowl liners in near and easy reach of the toilet for ease of use and to ensure correct use. Two different bowl liner holders are available from reseller/producer.

EXHAUST AIR

Exhaust hose with insulation is fed from roof feed-through flange to the toilet and secured at each end with a powerful hose clamp that is included in the installation kit. Avoid horizontal stretches (max. 60 cm) and turns as far as possible as this creates counter pressure and will cause increased stress on the toilet over time and the possibility of overheating. Bends should be as gentle as possible. Under no circumstances should negative fall or sharp 90° bends occur as this will cause overheating of the product. The insulation must not be squeezed as this affects the insulating and special care must be taken for proper sealing in both ends. Exhaust hose should be mounted to toilet and feed-through flange with sealant paste around the exhaust to avoid leakage.

On top of the roof feed-through flange, a chimney cap is mounted, this is included in the toilet box. If there are larger objects within one meter of chimney cap, or if there is snow on the roof that can prevent air flow, an extension must be mounted between the flange and the chimney cap.

The roof feed-through flange must be placed in a flat area of the roof, to ensure proper sealing. Find a suitable place where the flange makes good contact with the roof and make a hole in the roof with an 83 mm hole saw. Take precautions when making the hole through the roof, to avoid electric cables. Be sure to use enough sealant between the flange and roof to ensure no water ingress. Roof feed-

through is in material quality EN 1.4016. Take necessary precautions to avoid galvanic corrosions. Fasten roof feed-through flange with appropriate stainless-steel screws.

INLET AIR

An inlet air hose is included in the installation box. Use an 83 mm hole saw for implementation in flooring. An optional floor nozzle is available for double floors. Consider air supply into double floor compartment for sufficient air flow.

If the wheel arch or other obstructions prevent the hose from going directly down, it can be bypassed, but make sure the hose is routed with gentle bends and as short a stretch as possible, maximum hose length 120 cm. Finish with floor nozzle under floor exterior. The hose may be insulated, if desired.



Illustration 2

An air grate can be used in both floor and wall, but make sure you have a minimum 50 cm² light opening and that you protect against water intrusion. Please note that floor intake is preferred instead of wall intake. If the toilet in large parts of the year is used in cool climates that experience extreme cold for extended periods, condensation may form on the outside of the toilet. It may be advantageous to preheat the air in. This can be done using a radiator connected to the heating system that preheats the air.

GAS INSTALLATION



Please note that a sticker is delivered with the toilet for marking of the gas shut-off valve and this sticker is mandatory in some countries.



Illustration 3

Please be aware that regulations regarding gas installations in vehicles vary from country to country. The installation may require certified personnel in order to be approved. Be sure to research the local regulations where you live and adhere to these before installation.

The gas is supplied through an 8 mm pipe directly to the toilet with an angled compression fitting on top of the Build-in module. No adjustment of fitting is allowed. The toilet is designed to run on propane. If you know that you frequent areas with low quality propane, a filter should be considered. A separate gas shut-off valve is required when connecting to an existing gas supply line.

This will aid trouble shooting and allow operation of other appliances in case the toilet is dismantled. The connector is a brass compression coupling which takes $\varnothing 8$ pipe. Be sure to clamp the pipe close to the fitting to avoid stress fatigue in the pipe.

INSPECTION HATCH

There must be access to the top of the Build-in module for easy access to connections. This allows for annual inspection and leak testing of the gas connection.

CONTROL PANEL

Locate the desired placement of the control panel. Create an opening for the signal cable and route the cable out here. The signal cable is a flat cable with approx. 20 mm width. Connect the signal cable together with the control cable and fasten the control panel. **The signal cable can be connected in two ways, but only one way is correct.** If you get a red light, and not a green, reconnect signal cable the opposite way. The signal cable is approx. 150 cm long.



Illustration 4

CONNECTING AND TEST OF TOILET

Testing procedure after installation and before adding panels and closing hatches

- Open main gas supply valve from gas container
- Check for gas leakages on supply line
- Turn on main switch located inside toilet, see illustration 5.
- Open and close toilet lid
- Start incineration on control panel
- Wait 2-3 minutes for continuous incineration
- Stop incineration by pressing incineration button until a long beep is heard (approx. 8 sec)
- Close main gas supply valve from gas container

If you do not have the control panel in place yet, you can still test the toilet by connecting the control panel to the signal cable.

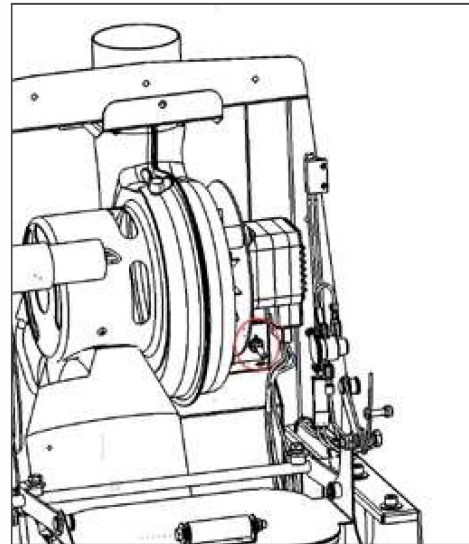


Illustration 5

FINAL INSTALLATION

Adjust docking frame for equal clearance around outer shell. Some modification might be necessary for perfect fit. Please note: the docking frame is made for mounting behind the steel plate on the toilet. This will give better clearance between outer shell and docking frame when operating the shell elevator. Operate the shell elevator to ensure that there is no contact during operation. When the toilet is tested, mount panels and close covers. Mount control panel if not mounted earlier.

DIMENSIONS

CUTOUT DIMENSION IN REAR WALL

The following dimensions act as a guideline for cut out in the interior wall of the room, behind where the Cinderella Travel will be positioned.

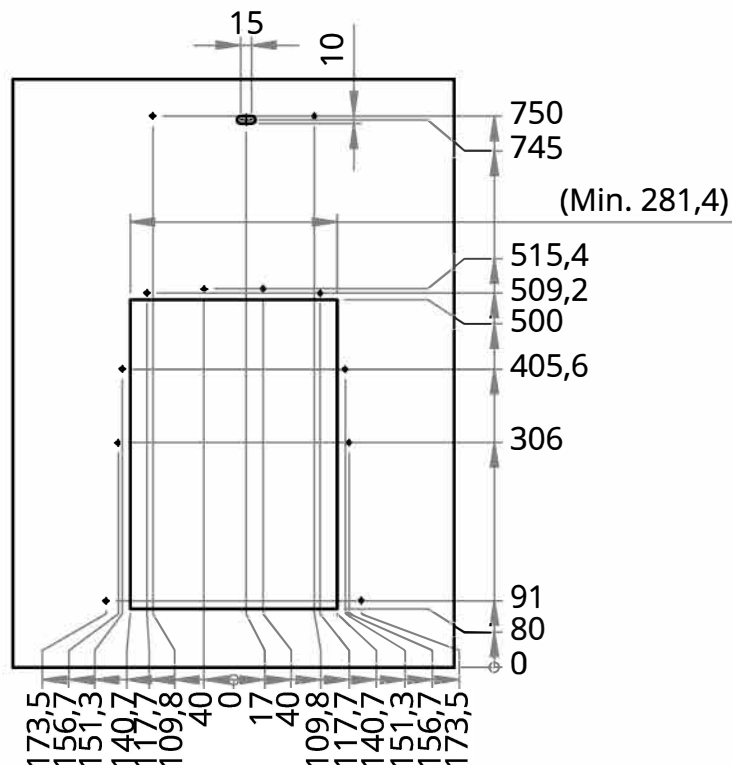


Illustration 6

DIMENSIONS FOR SHELL ELEVATOR

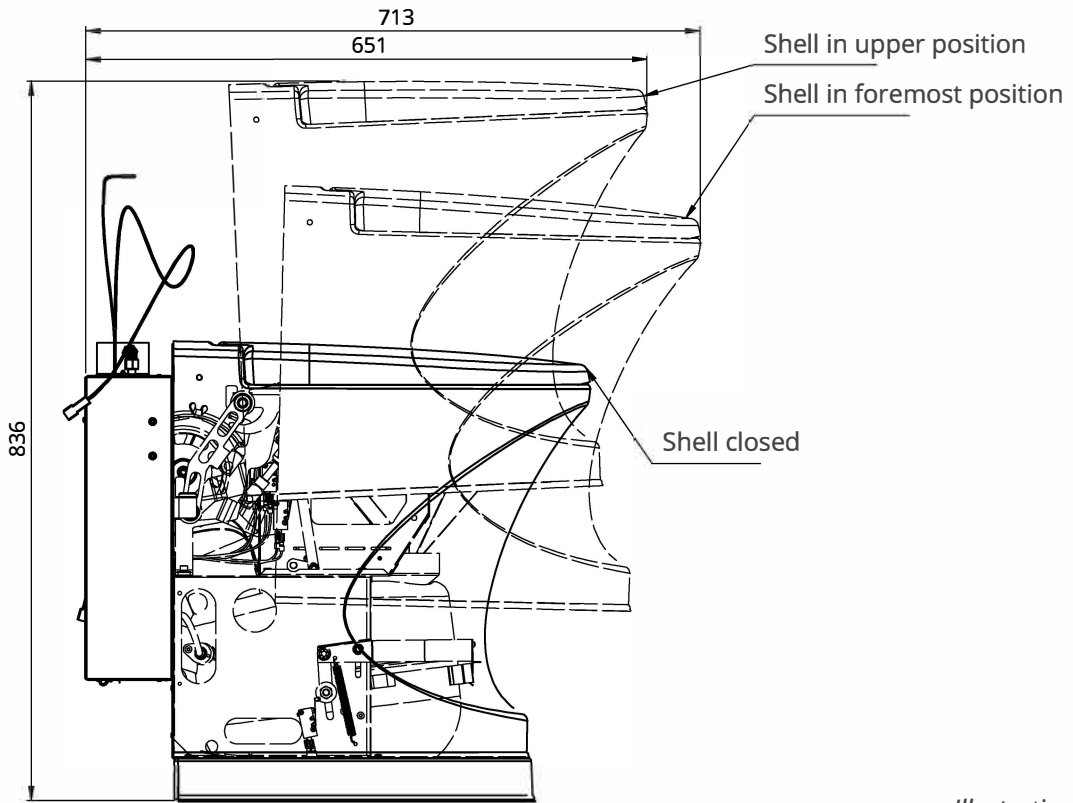


Illustration 7

FLOOR CONNECTION POINTS

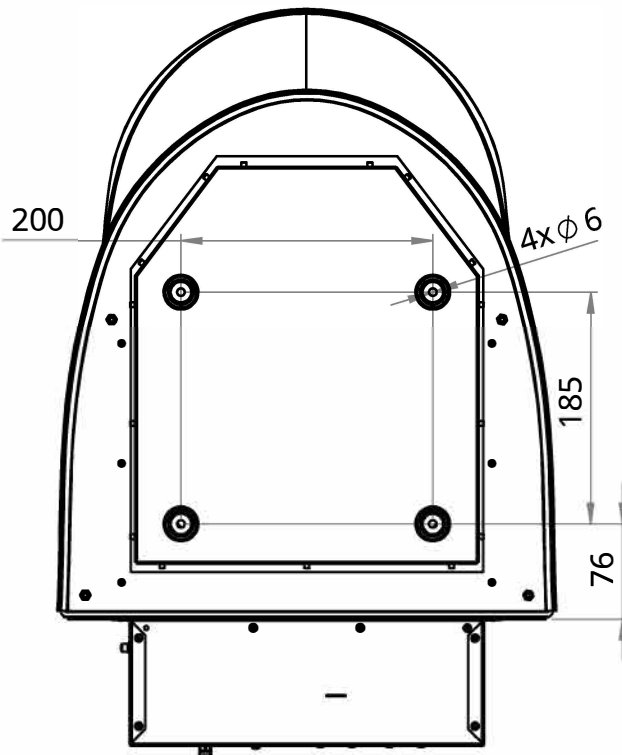


Illustration 8

TECHNICAL INFORMATION

DIMENSIONS OF THE TOILET	
Weight	20 kg
Height	540 mm
Seat height	490 mm
Width	390 mm
Depth	590 mm
Capacity	3-4 visits per hour
Max. depth operating shell elevator	613 mm + 100 mm Build-in Module
Max. height operating shell elevator	845 mm

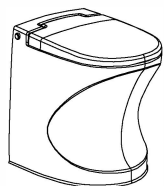
TECHNICAL SPECIFICATIONS, ELECTRIC	
Supply voltage	11-14.5 VDC
Red cable	Positive
Supply fuse	10A
Peak load	4 A
Power consumption (incineration)	1.3 A
Dimensional supply under 10 m	1.5 mm ²
Dimensional supply 10 - 17 m	2.5 mm ²

TECHNICAL SPECIFICATIONS	
Inner diameter exhaust hose	60 mm
Insulation thickness	13 mm, approx. 102 mm diameter
Max temperature exhaust gases	118 ° C
Max temperature insulation exterior	55 ° C
Hole saw diameter for Roof feed-through flange	83 mm
Maximum length of exhaust hose	250 cm
Max temperature Build-in module	74 °C at 45 °C inlet temperature

TECHNICAL SPECIFICATIONS, GAS SUPPLY	
Gas supply	Ø 8 mm compression coupling
Gas supply connector material	Brass
Gas type	Propane or LPG
Gas pressure	30 mBar

TECHNICAL SPECIFICATIONS, AIR INLET	
Diameter inlet air hose	75 mm
Maximum length inlet air hose	120 cm
Minimum air grating size	50 cm ² light opening
Air consumption during incineration	52 m ³ /h

INCLUDED IN THE TOILET BOX



Cinderella Travel



Roof feed through flange (EN 1.4016) (100630)



Docking frame (101341)



Chimney Top (100629)



Winter Extension (100631)



Control panel (100912)



Bowl liners (100702)



3 ea. Stainless Steel screws for chimney cap, 3 ea. for winter extension (M4x6) (101014)

INCLUDED IN THE INSTALLATION BOX



Inlet flange (100985)



Inlet hose (100986)



Exhaust hose (100561)



Exhaust hose insulation (101608)



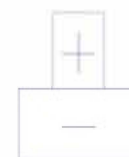
Power cable connector (100422+100423)



Inlet air hose clamp (100253)



Exhaust hose clamp (100394)



Polarity for connector

OPTIONAL, NOT INCLUDED



Bowl liner holder steel (100316)



Bowl liner holder plastic (100443)

