

SIMPLE MINI

Greenhouse assembly manual

Greenhouse «Simple MINI» is designed to create an optimal climate for growing sprouts, flowers and vegetables in your garden.

The frame of greenhouse «Simple MINI» is made from galvanized square-shaped pipe of 20x20 and 20x20 mm and is designed to be covered in cellular polycarbonate. To ensure maximum rigidity, the end-wall is wholly welded, and arcs are made as single-piece arcs, without connecting points. The greenhouse frame is assembled with use of bolts and nuts (M6). A No. 10 wrench is required for assembly.

The greenhouse is equipped with two doors and vents for improved ventilation. Polycarbonate cover can be left for the winter.

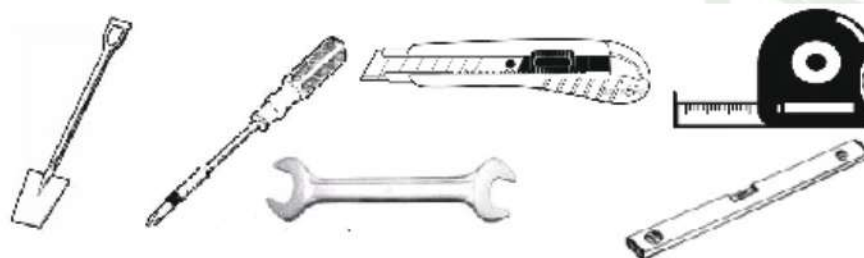
No.	Part name	Quantity, pcs.		
		4m	6m	8m
1.	Welded end-wall with a door and a vent	2	2	2
2.	Arc	3	5	7
3.	Straight initial element	5	5	5
4.	Straight part	5	10	15
5.	Latches (for doors and vents)	4	4	4

No.	Part name	Quantity, pcs.		
		4m	6m	8m
6.	Hinges	8	8	8
7.	M6x50 mm bolt with a washer	25	35	45
8.	M6x50 mm bolt (for supports)	6	8	10
9.	Nut M6	31	43	55
10.	Screws 4.2x16 mm (for hinges and latches)	48	48	48
11.	Screws 4.2x25 mm with galvanised washer and rubber seal (for polycarbonate)	110	126	142
12.	Door hook (to fix the door in open position)	2	2	2
13.	Supports (for fastening in the ground)	6	8	10
14.	Cellular polycarbonate (sheet size 2.1x6 m)	16	22	28

** when buying a greenhouse frame, the polycarbonate cover is not included.

Recommended tools for greenhouse assembly

1. Shovel
2. A cross-shaped screwdriver or a screwdriver with a PH2 head
3. 10 mm wrench or a screwdriver with 6-edged head of 10 mm
4. Construction knife
5. Construction level
6. Measuring tape 5-7 m



Requirements for conditions of use

1. Read the manual prior to installation of the greenhouse. Incorrect assembly may lead to frame damage.
2. Depending on the location of the greenhouse, the customer must evaluate the possible snow load and, if necessary, install additional supports or remove snow from the greenhouse. The greenhouse is designed for wind speed of up to 20 m/s.
3. Do not install the greenhouse in direct vicinity (less than 3m) to buildings, fences and constructions.
4. When installing the greenhouse in a windy area, an additional anchoring to the ground is required.
5. Do not subject the frame of the greenhouse to mechanical effects.
6. Do not try to change the construction of the product.
7. To avoid losing transparency of the cellular polycarbonate it is recommended to clean the sheets by using a cotton cloth, water and detergents that do not contain ammonia and solvents. Do not use chemical detergents with abrasive particles.

General provisions on cellular polycarbonate installation

The frame already has drilled holes for attaching cellular polycarbonate sheets. Do not over-tighten the screws, leave a small amount of "wiggle room".

Sheets from cellular polycarbonate must be installed with the side with UV-protection on the outside (towards the sun). Appropriate markings are placed on the packing film.


The polycarbonate sheets must be stored in the protective film until the assembly.

A utility knife or construction knife with an extendible blade or a power jigsaw must be used for cutting polycarbonate sheets. During cutting of the sheet the protective film must be left intact to avoid scratches.

Remove the protective film from both sides of the polycarbonate sheet immediately after installation.

Take into account that the best approach is to position polycarbonate channels in a vertical position.

Do not forget to remove the packaging film from both sides of the polycarbonate sheet!

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- Greenhouse has a wide windage area. Do not leave an assembled greenhouse without anchoring.
 - When installing the greenhouse in windy areas, you must anchor the frame to the ground with additional materials (fittings, etc.).
 - Do not install the greenhouse in direct vicinity (less than 3m) to buildings, fences and constructions.
 - The area, where the greenhouse will be installed, must be flat, without any significant changes of the surface level.
 - During strong winds the doors and vents of the greenhouse must be closed.

4. General rules for installation of cellular polycarbonate

The polycarbonate is attached to the frame by use of 4.2x25 mm, and screws and galvanized washer with a rubber sealer. Holes for fastening the polycarbonate to the greenhouse frame are already pre-drilled in the frame. Screws should not be overtightened during assembly, but a slight clearance should be left for "free movement".

Cellular polycarbonate sheets must be installed in a way that the surface covered with protection against UV radiation must always be on the outside. Marking is visible on the packaging film. The polycarbonate sheets must be stored in the packaging film before assembly.

Material must be cut with a special knife with an extendible blade or an electric jigsaw. During the sheet cutting the protective film must be left as it is to prevent formation of scratches.

After the cellular polycarbonate sheets are installed, the protective film must be removed from both sides of the sheet. It must be taken into account that the channels in the polycarbonate must be placed vertically.

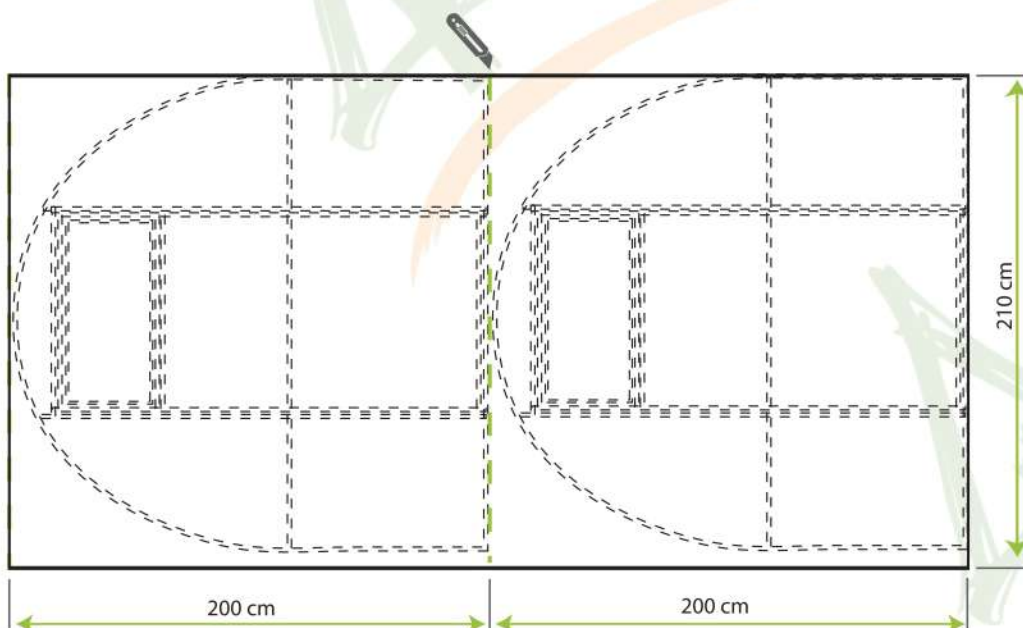
5. Order of assembly

5.1. Installing polycarbonate on side end-walls.

Order of installation of polycarbonate on the cellular polycarbonate

5.1.1. Cut 2 meters from the polycarbonate sheet (size 4.00 x 2.10 m) according to the picture 1 to form a rectangle of 200x210 cm. Use a construction knife or an electric handsaw to cut polycarbonate.

5.1.2. Install the cut part of the polycarbonate (200x210 cm) on the end-wall as illustrated in picture 2. Polycarbonate cells must be placed vertically. Level the polycarbonate from all sides and fasten it with screws along the frame parts by using the drilled holes. Cut the polycarbonate along the arc.



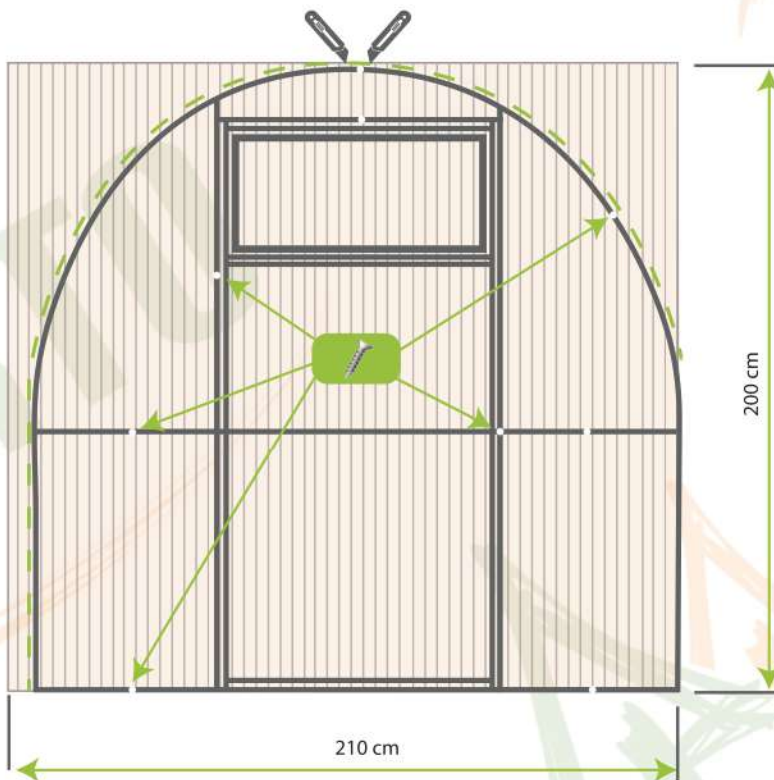
Pic. 1

5.1.3. Install the hinges on the doors and vents by use of screws. All hinges must be located on the external side of the polycarbonate. Use the screws to attach hinges to the vents and door as show in picture 3.

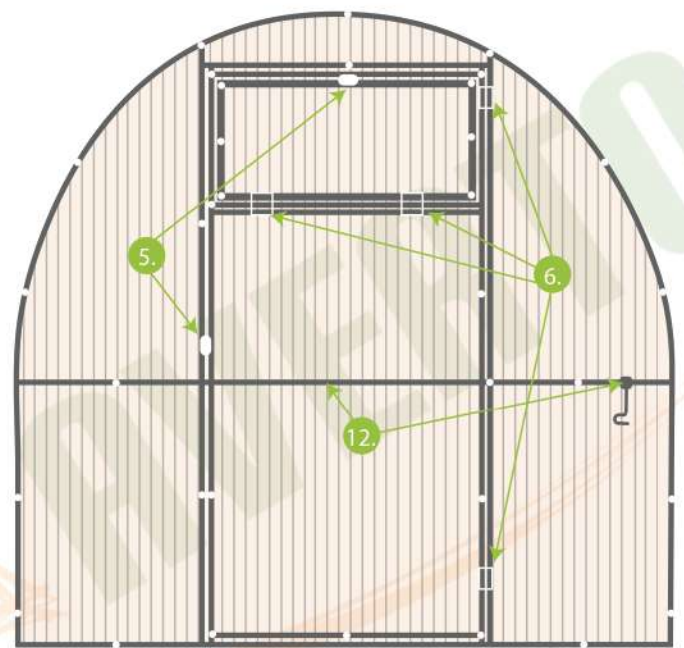
5.1.4. Make cuts along the horizontal and vertical door and vent sides to allow them to open.

5.1.5. Assemble the second end-wall and cover it as described above.

5.1.6. Install the hooks on the inside of the door and hook nooses on the internal side of the end-walls according to the drilled holes.



Pic. 2



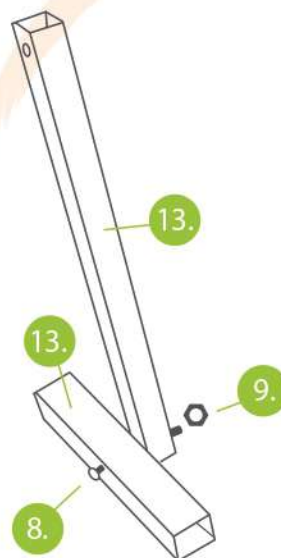
Pic. 3

5.2. Frame assembly

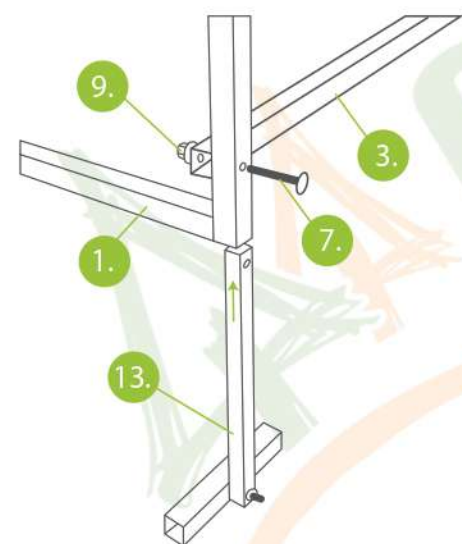
5.2.1. Assemble the T-shaped legs to anchor the greenhouse in the ground as illustrated in the picture 4.

5.2.2. Connect the assembled end-wall with 6x50 mm bolts with the initial straight elements, while also attaching the legs to the lower part of the end-wall according to the drilled holes (pic. 5).

5.2.3. Attach the arc (from the outside) to the straight parts as shown in picture 6.



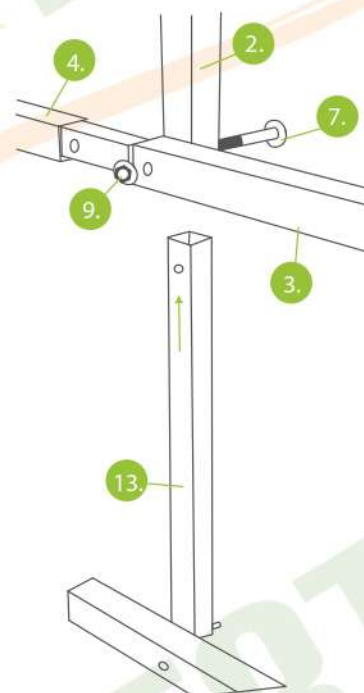
Pic. 4



Pic. 5



Pic. 6



Pic. 7

5.2.4. Connect the starting straight frame elements with the straight parts.

5.2.5. Attach arcs to the assembled parts and attach T-shaped supports to the holes in the lower part as shown in picture 7.

5.2.6. Attach the second end-wall for the 4 m long greenhouse (pic. 8). Use inserts to extend the greenhouse for 2 meters.



Pic. 8.

5.3. Installation of cellular polycarbonate

The outer sheets must be installed first, followed by the middle, and the sheets must be placed in such a way that ensures the bend along the channel line. The sheets must be placed in a way that they extend for 5 cm outside.

The polycarbonate sheets must be installed on each other. The sheets must be levelled and attached by screws starting from the lower side then along the arcs, by using the pre-drilled holes. The excess polycarbonate on arcs can be covered by soil or cut before the arc fastening.



5.4. Greenhouse installation

Before starting the installation lot where the greenhouse will stand must be carefully levelled. Dig holes for the supports next to the arcs with supports. Installed the assembled greenhouse in a way that the lower end-wall part is at the same level as the ground, but the supports are in the grounds. Afterwards, fill with soil and tamper.

You can use a concrete or wooden frame to install the greenhouse.

Attention!

The greenhouse has windage. Do not leave an assembled greenhouse unanchored to the ground.

If the greenhouse is installed in a windy area, use additional materials (reinforcement bars, etc.) to anchor the greenhouse.

Do not install the greenhouse in direct vicinity (less than 2 m) of buildings, structures and fences.

The plot of land, on which the greenhouse will be installed, must be level and without sufficient changes in ground level.





LV: Siltumnīcas, garāžas un auto nojumes, noliktavas un nojumes, dārza instrumenti, mēbeles dārzam un pasākumiem, teltis un virszemes baseini.

LT: Šiltnamiai, kilnojamieji garažai, garažai palapinės, tentinis sandelis, palapinės paviljonai, sodo įrankiai, sulankstomų baldų baldai, palapinės, baseinas.

EE: Kasvuhooned, teisaldatevad garaažid, telk varjualused, peotelgid & paviljonid, aiandustööriistad, öllemööbel, aiämööbe, telgid, basseinid.

RU: Теплицы и парники, портативный гараж, тентовые сараи, беседки, шатры и павильоны, садовые инструменты, мебели для сада и события, палатки, наземные бассейны.

ENG: Greenhouses, portable garage and storage sheds, party tents and shelters, garden tools, furniture, tents and accessories, swimming pools.

DE: Gewächshäuser, foliengarage, zelthallen, pavillions, gartenwerkzeugen, möbel - klappmöbel, campingzelt & zubehör, schwimmbecken.