

ASSEMBLY AND OPERATION MANUAL

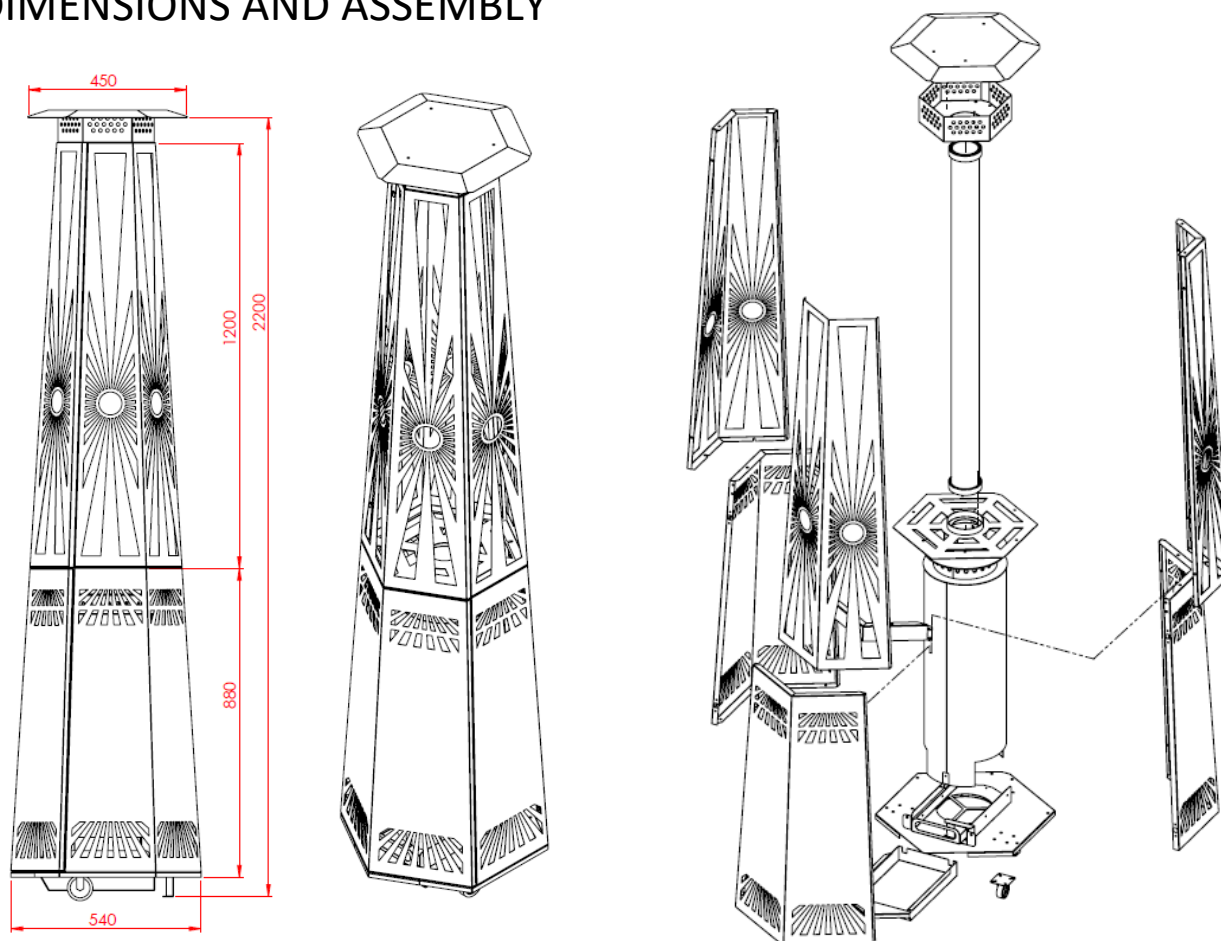
GARDEN PELLET HEATER ORTE

MODEL: ORTE GARDEN PELLET HEATER HEXAGONAL

SYMBOL: GPH6

Version: 005/22/JK

DIMENSIONS AND ASSEMBLY

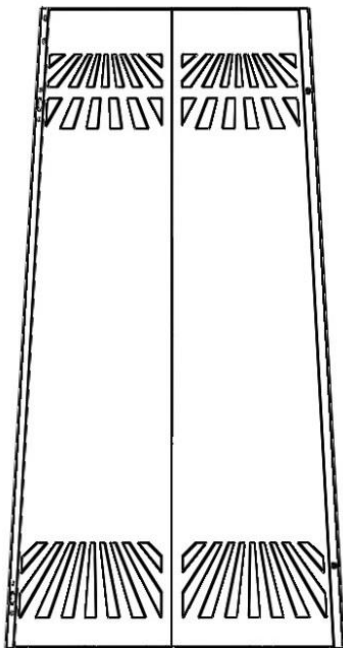
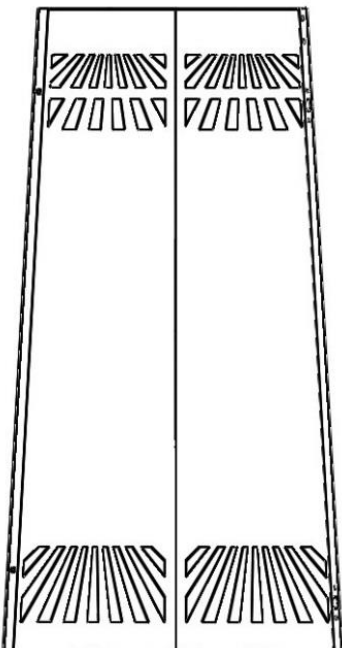
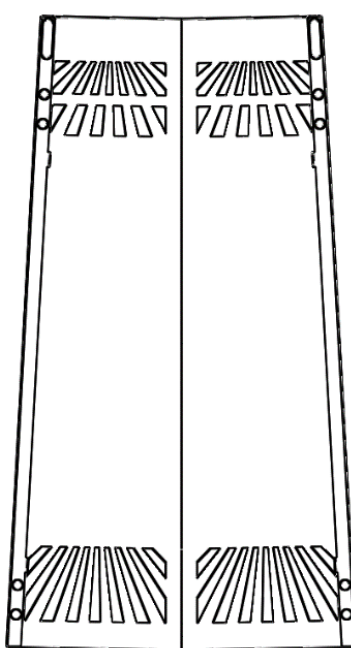
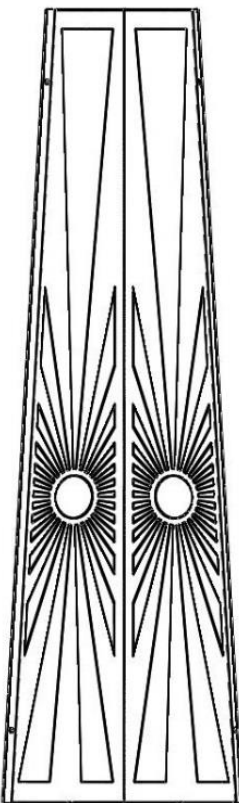
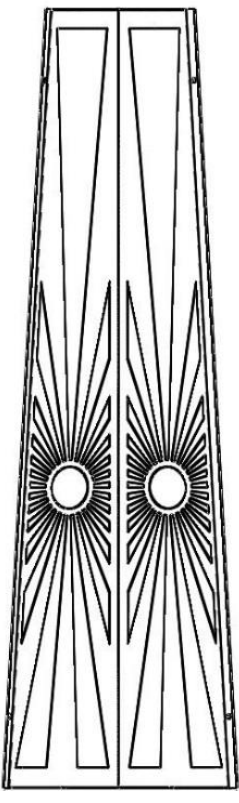
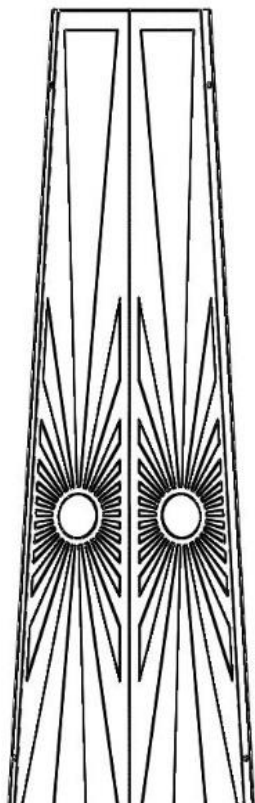


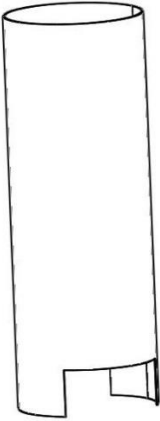

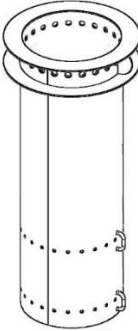

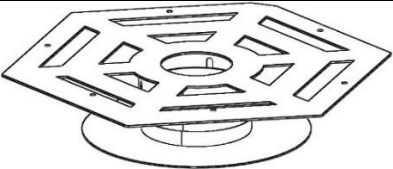
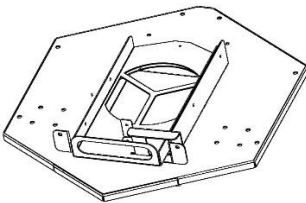
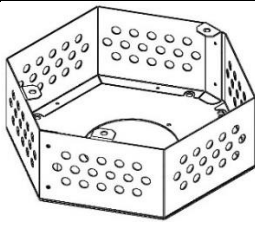
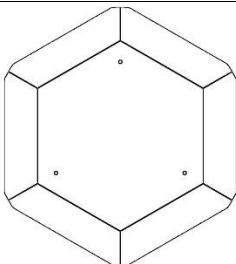
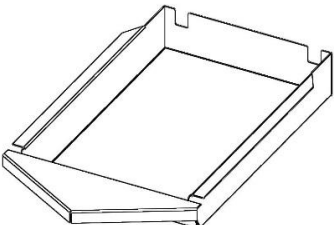
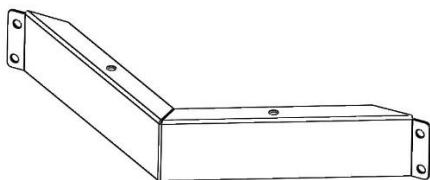
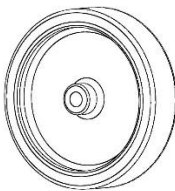
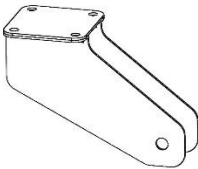
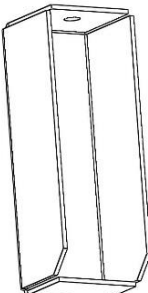
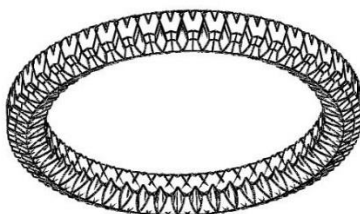
Stylish and environmentally friendly pellet garden heaters from ORTE perfectly suited for cool evenings, providing warmth in the garden or on the terrace, as well as during any other outdoor events.

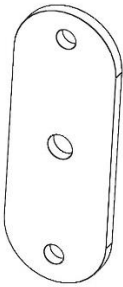
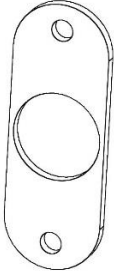
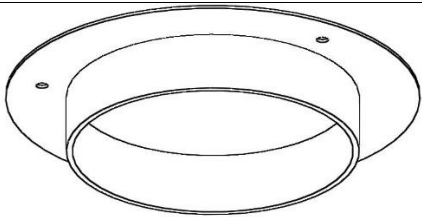
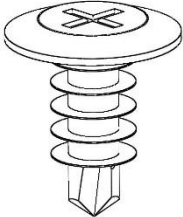
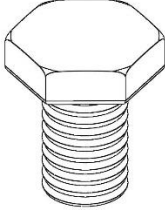
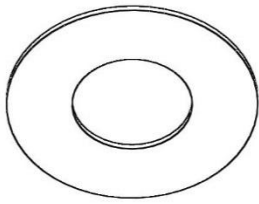
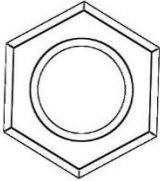
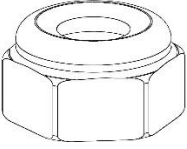
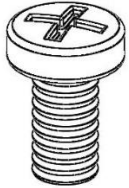
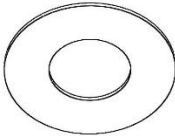
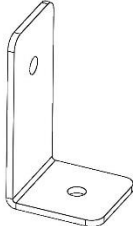
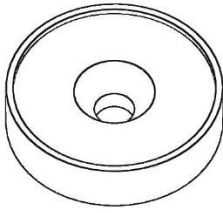

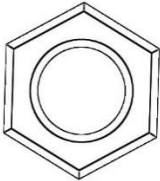
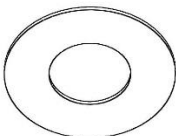
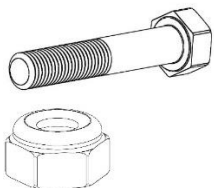
The garden air heater is made of the highest quality materials, and thanks to its modern design the pellet fuelled garden heater can be placed in even the most sophisticated surroundings. The product is available in a range screen designs and colours (RAL).

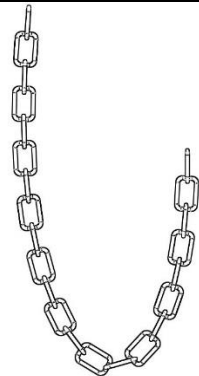

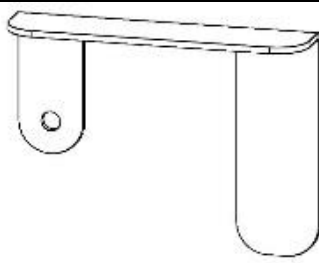
The ORTE GARDEN HEATER will light up, diversify and warm your outdoor stays during cooler days.

DESIGNATION AND QUANTITY OF PARTS

name	Bottom metal piece left	Bottom metal piece right	Bottom door
symbol	3BDL	3BDP	3DD
qty	1	1	1
			
name	Top metal piece left	Top metal piece right	Top door
symbol	3BGL	3BGP	3DG
qty	1	1	1
			

name	Hearth		Inner hearth		Quartz pipe
symbol	P		PW	PW+	RK
qty	1		1	1	1
					
name	Hearth shield		Heater floor		Heater chimney
symbol	3OP		3PO		3KO
qty	1		1		1
					
name	Heater cap		Ash pan		Lower Support
symbol	3CO		3PP		3WD
qty	1		1		1
					
name	Castor	Castors Body	Leg	Seal	
symbol	K	3KK	N	U	
qty	2	2	2	2	
					

name	Magnetic washer 1		Magnetic washer 2	Centring ring
symbol	PM1		PM2	PC
qty	4		4	1
				
name	Bolt		Screw M6	Washer M6
symbol	W		SM6	PM6
qty	17		4	4
				
name	Nut M6	Self-locking nut M6	Screw M5	Washer M5
symbol	NM6	NM6S	SM5	PM5
qty	4	1	37	33
				
name	Hearth holder		Magnet	Screw M3
symbol	UP		M	SM3
qty	1		4	4
				
name	Nut M3		Washer M3	M8 x 45 screw with self-locking nut for fixing the wheel
symbol	NM3		PM3	SM8 NK
qty	1		1	1
				

nazwa	Chain	Hook	Locking hook
symbol	L	H	ZB
qty	1	1	1
			

NEGLECTING WARNINGS AND CAUTIONS MAY RESULT IN SERIOUS INJURY OR DEATH, FIRE OR EXPLOSION, OR PROPERTY DAMAGE.

- ⚠ **SAFETY SYMBOLS** (⚠) inform the user of important **SAFETY** recommendations.
- ⚠ Words **DANGER**, **WARNING**, **RECOMMENDATION**, **ATTENTION** or **CAUTION** are used together with the ⚠ **SAFETY SYMBOLS**.
DANGER indicates serious danger.
- ⚠ Read all the safety instructions in this manual before using the garden heater.

⚠ **DANGER**

- ⚠ Failure to observe the warnings, cautions and recommendations contained in this manual and helping to avoid the dangers could result in fire or explosion and in serious personal injury, death and property damage.
- ⚠ NEVER cover up the garden heater if the hearth is not extinguished. It can be covered eg. to protect against external influences ONLY 24 hours after the hearth expires and after emptying the hearth.
- ⚠ Do not use indoors! The air heater is designed for outdoor use only. If the air heater is used in a room, toxic fumes can cause severe injury or death.
- ⚠ Use the air heater only outdoors in a well-ventilated area. Do not use the air heater in a garage, building, covered passage, and other enclosed spaces.
- ⚠ Do not use the air heater under aerial flammable structures.
- ⚠ The air heater is not intended for installation in or on recreational vehicles and/or boats.
- ⚠ CAUTION! Do not use spirits, gasoline and other similar liquids to kindle the garden heater! Use only tinder made in accordance with EN 1860-3.
- ⚠ We recommend using solid tinder. Do not use liquid tinder.
- ⚠ Incorrect assembly is dangerous. Follow the assembly instructions described in this manual. Do not use the air heater until all parts are mounted. Check that the ash pan is in place and that the hearth is properly installed before firing the air heater.
- ⚠ Use common sense when using the air heater. The air heater heats up during operation and should never be left unattended after being fired.
- ⚠ Children and pets should stay away from the hot air heater and always under the care of adults.
- ⚠ Do not move the hot air heater. Do not move the air heater after the fuel inside it has been ignited. Before moving the air heater, wait until it has cooled down.
- ⚠ Do not use the air heater within two meters of combustible materials. Combustible materials include, but are not limited to, wood or treated wooden boards, terraces or porches.
- ⚠ Do not place flammable materials less than 65 cm from the top, bottom, rear and sides of the air heater.
- ⚠ There must be no flammable vapors or liquids such as gasoline, alcohol, etc., and flammable substances in the place of use of the air heater.
- ⚠ Do not remove the ash pan until the pellets have burned out and the air heater has cooled down.
- ⚠ Do not wear loose-fitting clothing when lighting up and operating the air heater. While burning pellets, never bend over the open hearth. CAUTION: On a clear day it is possible not see the flame.
- ⚠ Combustion by-products include chemicals that are recognized in some places as contributing to cancer, congenital defects or other fetal malformations.

- ⚠ Do not use the air heater in strong winds.
- ⚠ Always follow local fire regulations that outline the rules for using and marking and setting garden air heaters.

⚠ WARNING

- ⚠ Set the air heater on a safe, even surface where flammable materials are not located.
 - ⚠ Do not use water to control sparking or extinguishing of pellets, as steam may evaporate. Always have an ABC type fire extinguisher nearby.
 - ⚠ Always wear protective gloves to operate the air heater, control the furnace, and add pellets.
 - ⚠ Do not place hot plates on material or grass.
 - ⚠ Never throw away hot pellets and ash.
 - ⚠ Never walk onto ash or glowing pellets until they are completely extinguished.
 - ⚠ Prepare the air heater for storage when ash and pellets are fully extinguished.
- ⚠ **DANGER** Failure to observe the warnings, cautions and recommendations contained in this manual and helping to avoid the dangers could result in fire or explosion and in serious personal injury, death and property damage.

GARDEN HEATER ASSEMBLY MANUAL

- ⚠ **ATTENTION!!!** GLASS PIPE – PLEASE REMOVE CAREFULLY FROM THE BOX AT THE END OF THE ASSEMBLY.

2 persons are required for the assembly.

- ⚠ **ATTENTION!!!** The product contains small elements that can be swallowed.

Tools required for the assembly: a Phillips screwdriver and two open-ended spanners size 10.

The tools are not included.

It is recommended to assembly the heater on flat and soft ground in order not to damage its painted elements.

1. Turn the castors using the M8 screw and the self-locking nut (SM8 NK) as shown in Figure 1.1.
Fasten the castors (K) and the leg (N) with screws M5 (ŚM5) - 4 for each castor, and 1 for the leg mounted to the floor (P) like on picture 1.2.

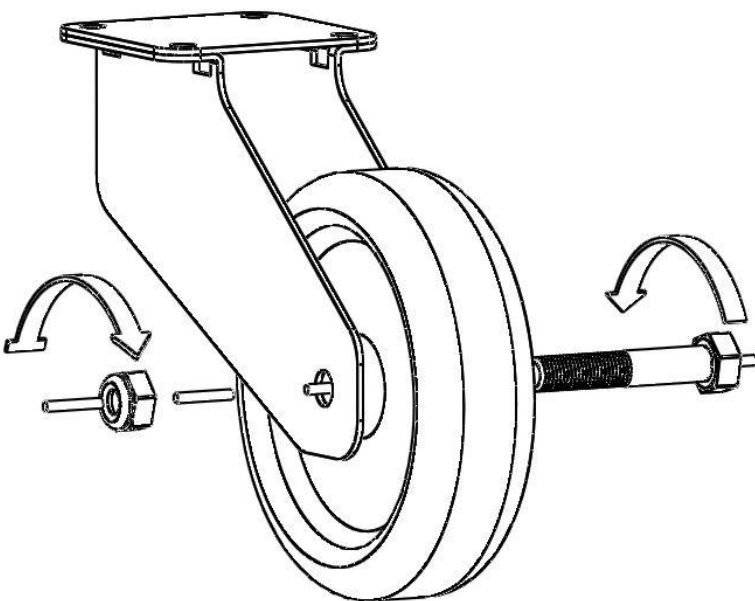


Fig. 1.1

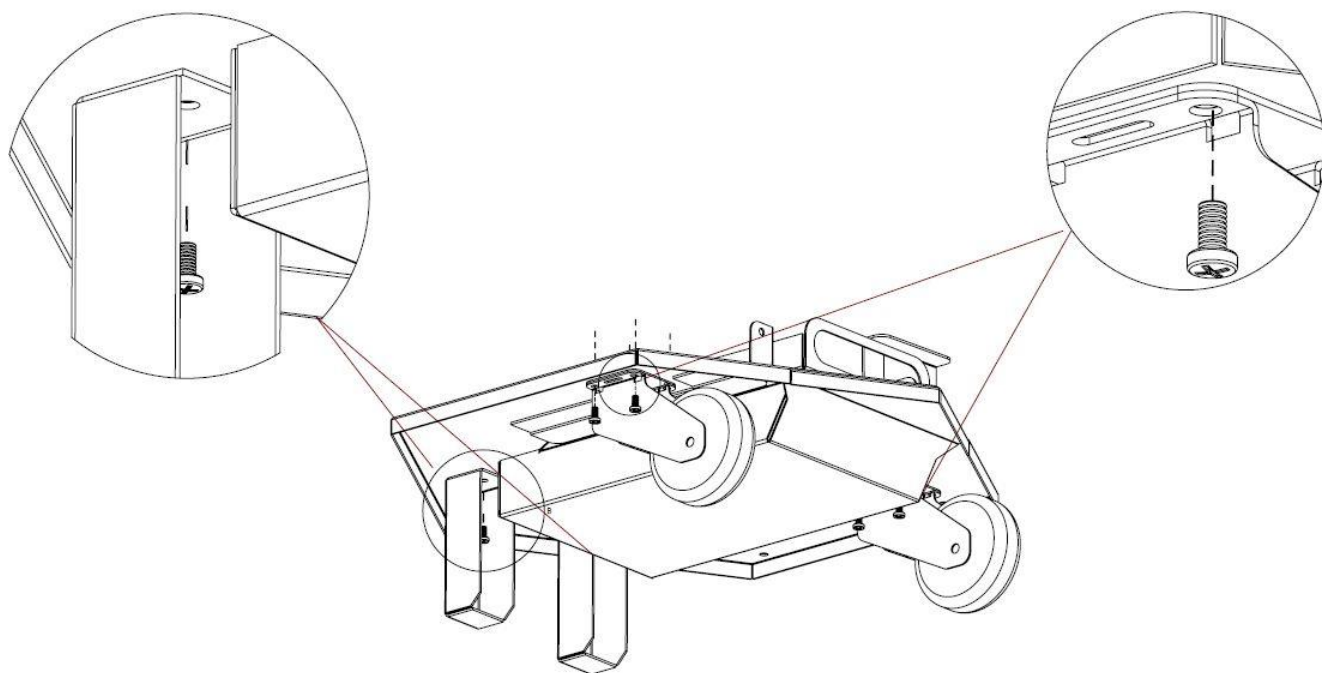


Fig. 1.2

2. Remove the inner hearth (PW) from the hearth shield (OP) and prepare the hearth holders (UP).
 Fix the hearth (P) on the floor of the heater (PO) with screws (W) by screwing them to the hearth holders (UP).
 Make sure that the hearth is well oriented, with the hook in the opposite direction of the trolley. (Fig. 2)
 Replace the inner hearth (PW) to the hearth shield (OP).

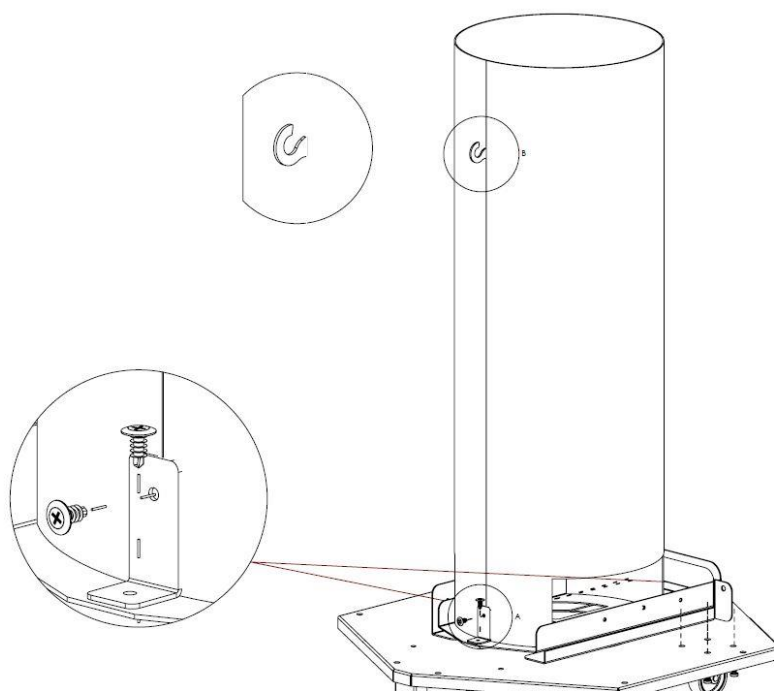


Fig. 2

ATTENTION!!!: In the PLUS models the capacity of the hearth is adjustable (fig. 2.1- 2.3). The adjustment is made with a handle before the inner hearth is put into the hearth shield (OP).

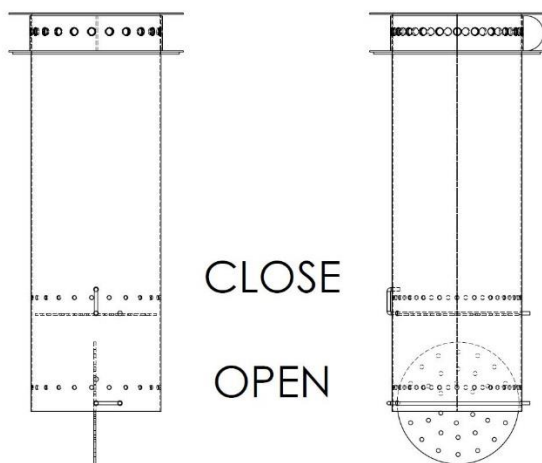


Fig. 2.1

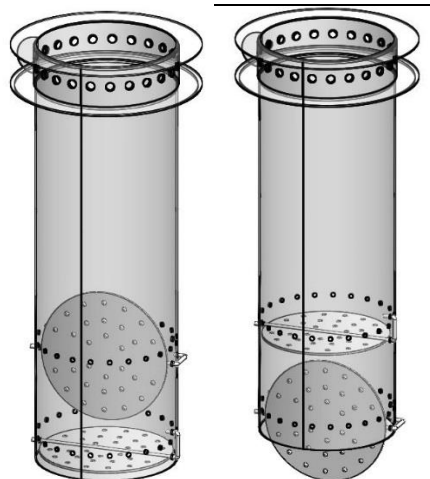
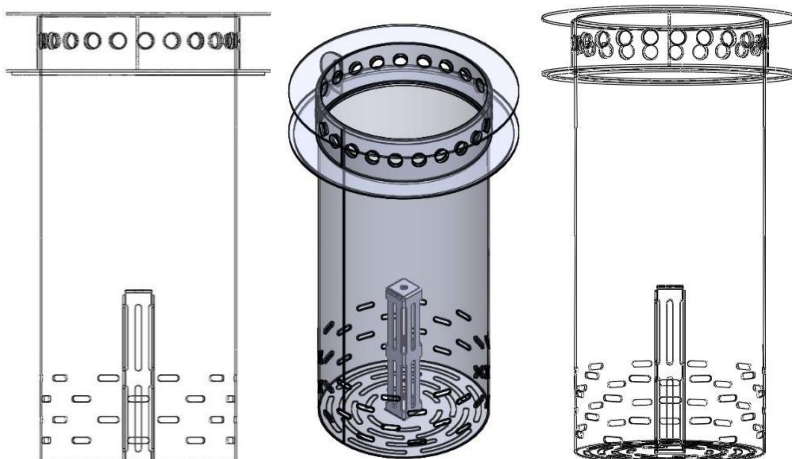


Fig. 2.2 - 10 kg

Fig. 2.3 - 7,5 kg

Standard furnace without capacity adjustment is shown in the drawings: 2.4, 2.5, 2.6.



Use the M6 screw and the self-locking nut (NM6S) to attach the locking hook (ZB) to the floor heater (PO) as shown in Figure 2.7.

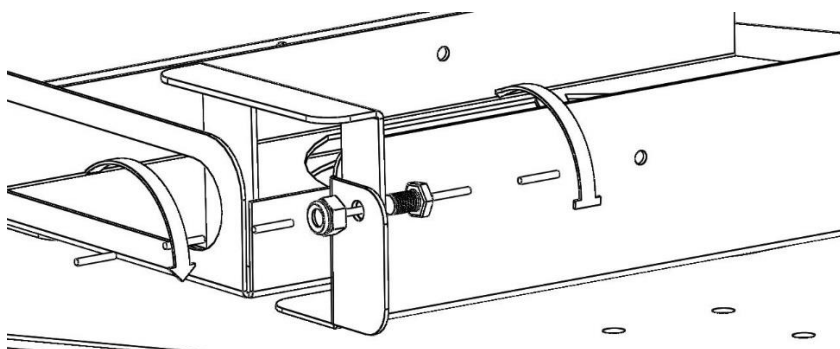


Fig. 2.7

3. Fasten the magnetic holders with magnetic washers (PM) as in fig. 3 using 4 screws M4 (ŚM4).

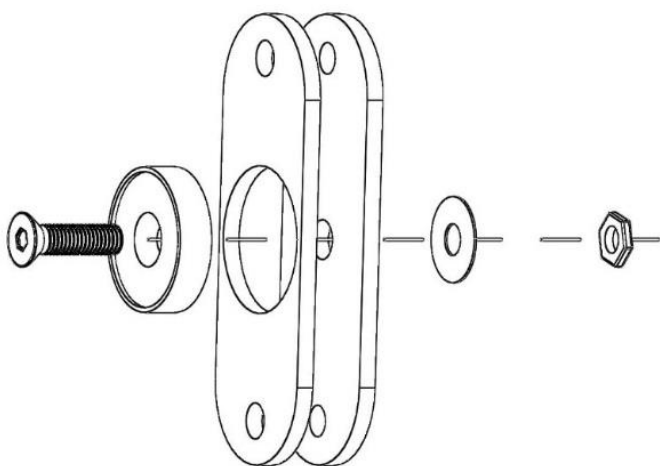


Fig. 3

4. Connect the bottom plates (BDL and BDP) with 2 M6 screws as shown in Figures 4.2 and 4.3 Use the top screw to attach hook fig 4.2. Screw the magnetic brackets to the bottom plate walls with screws (W) fig. 4.1

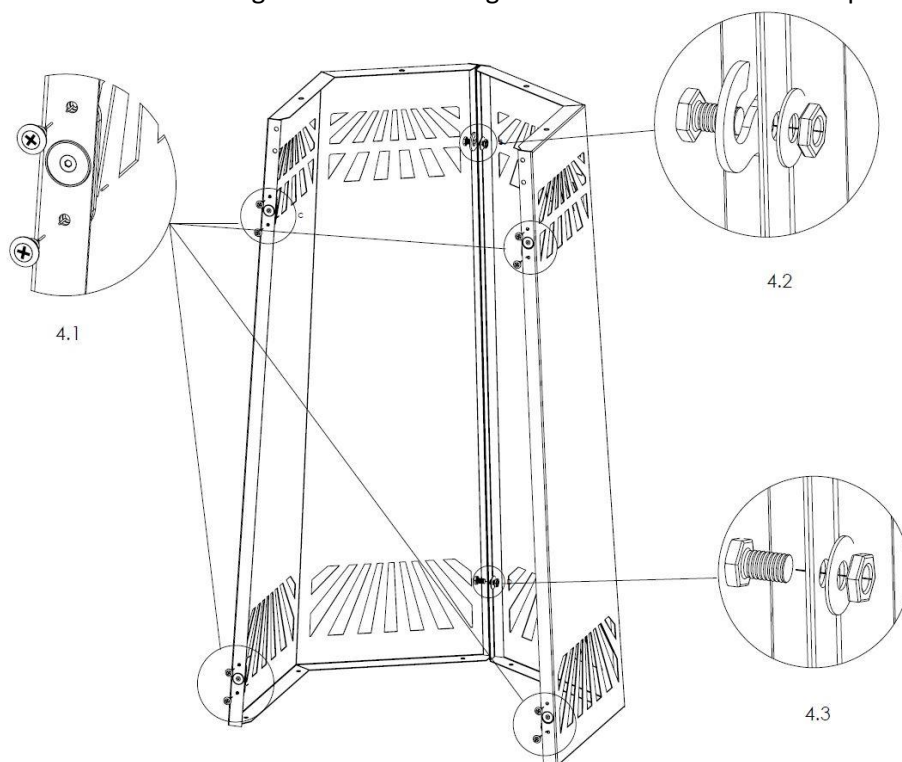


Fig. 4

5. Fasten the connected bottom metal pieces to the floor (P) with 4 screws M6 as in fig. 5.1.
Fasten the support (W) to the side metal pieces with 4 screws M5 as in fig. 5.2.
Attach a safety chain locking the boiler to the hooks as shown in Fig. 5.3

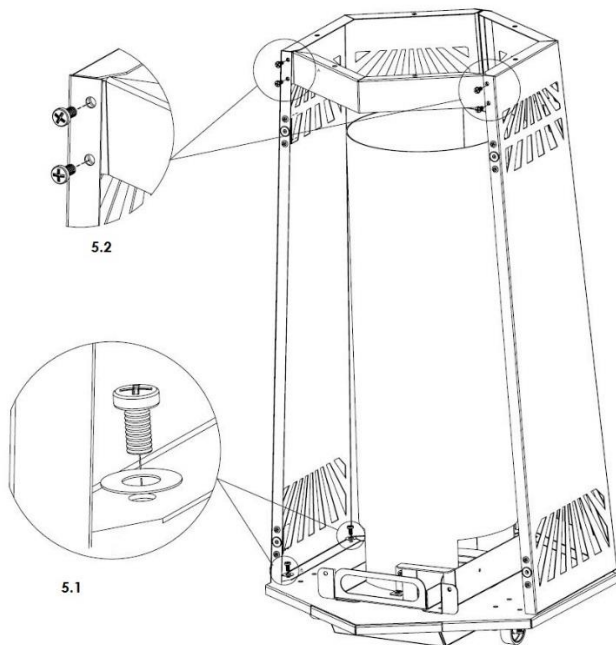


Fig. 5

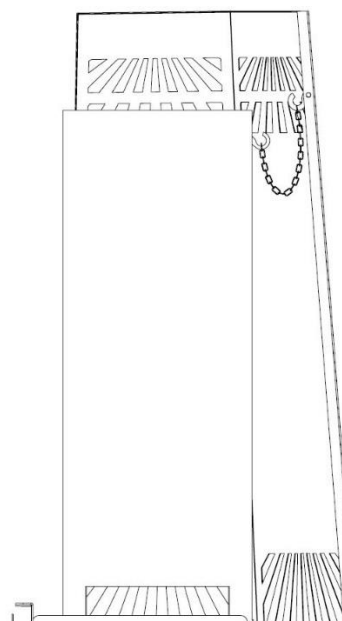


Fig. 5.3.

6. With 6 screws M6 fasten the hearth shield (OP) to the bottom metal pieces and the support as in fig. 6.1.
ATTENTION: Do not drive the screws fully into the bottom metal pieces. The top metal pieces will be put on them later.
 Fasten the top metal pieces together (BGL and BGP) with 2 screws M6 (ŚM6) (fig. 6.3) and then push them onto the screws M5 of the hearth shield (OP) as in fig. 6.1. The 4 screws M5 (ŚM5) must also be driven into the sides of the top metal pieces as in fig. 6.2, leaving approx. 2 mm clearance between the head of the screw and the top metal piece. They will be used for hanging the top door (DG) – see fig. 10.

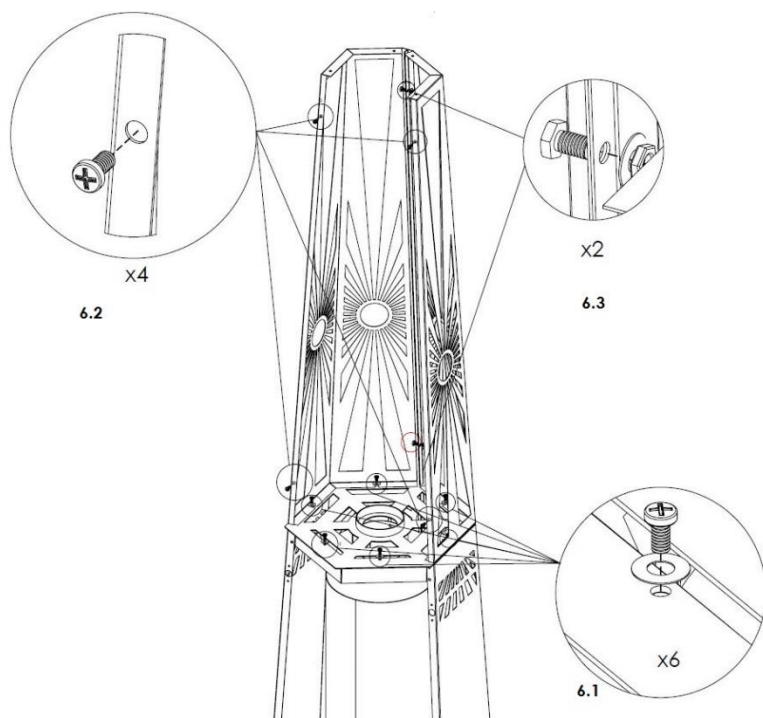


Fig. 6

7. Fasten the centring ring (PC) to the chimney (K) with 3 bolts. Mount the heater cap (CO) with 3 screws M5 as in fig. 7.

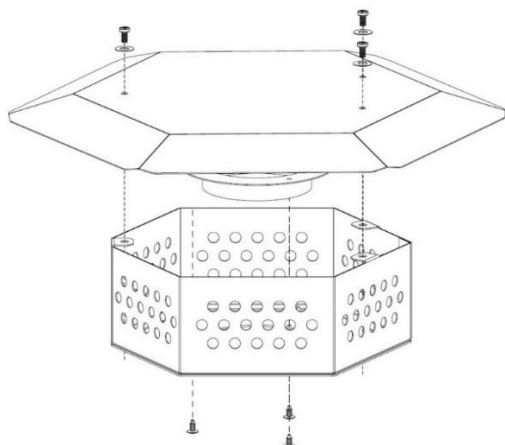


Fig. 7

8. Mount the heater chimney (KO) on the top metal pieces using 4 screws M5 (ŚM5) as in fig. 8.

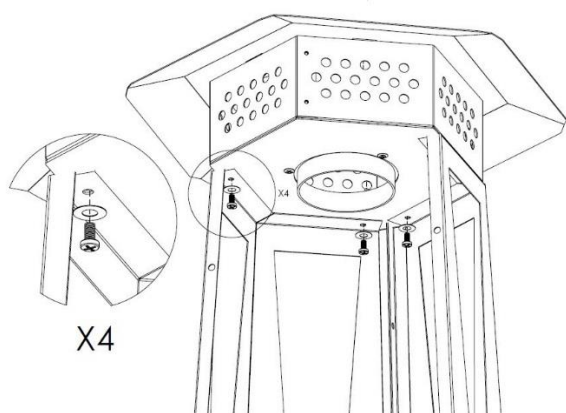


Fig. 8

9. Mount the quartz-glass pipe (RK). ATTENTION!!! Caution!!! The pipe is made of glass and may be broken. At the top and the bottom of the pipe mount the seal (U) as in fig. 9.

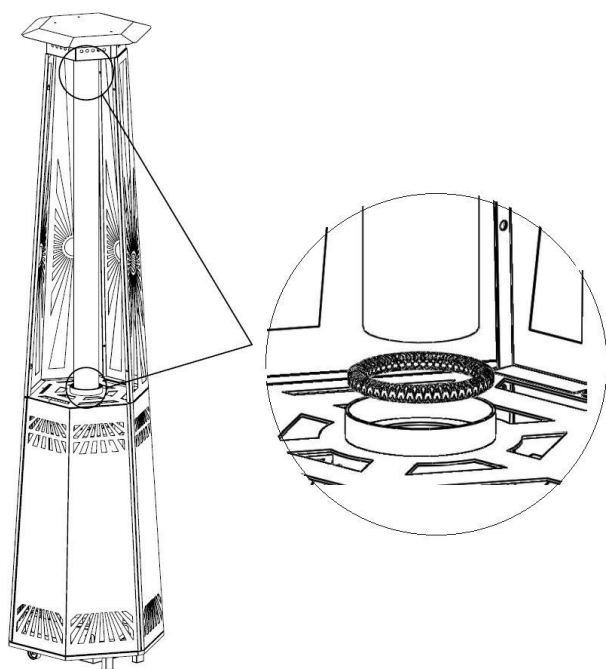


Fig. 9

10. Schematics for closing the top door.

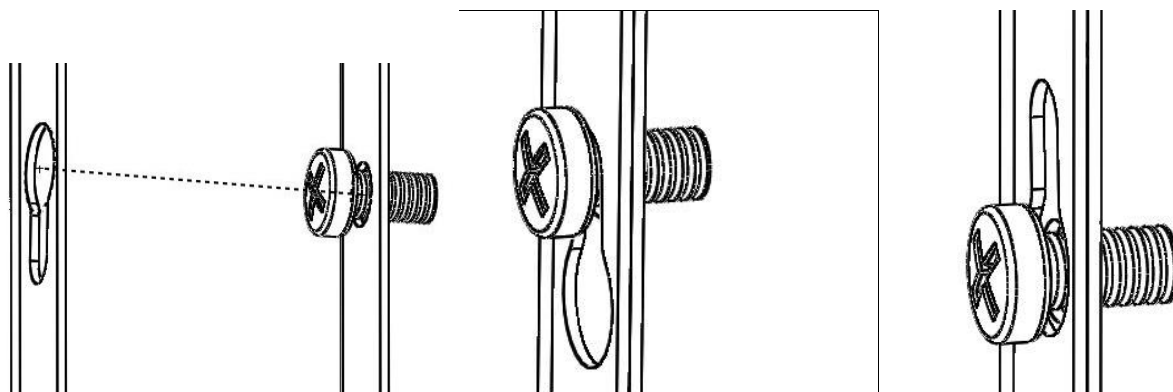


Fig. 10

GARDEN HEATER OPERATION MANUAL

Pellet air heater for outdoor use.

⚠ **ATTENTION: HIGH RISK OF BURNS AND/OR FIRE:**

All actions related to the operation, maintenance, cleaning, and loading must be taken when there is no fire in the hearth and when it is cold. Use protective gloves. Always follow the local fire protection regulations. Fill the heater with pellet only when it is cold. Never leave the heater unattended when there are still embers/flame in it, because this may cause a fire. In high temperatures, the product gets hot – the hot surface may cause burns when touched.

⚠ **ATTENTION: HIGH RISK OF INJURY/RISK OF DEATH AND DAMAGE TO PROPERTY:**

The heaters may be operated only by adults, only after reading this manual first. The heater must be assembled and set up carefully and in accordance with the manual to ensure safety. In a highly humid or wet environment, the product is slippery. Since the product has edges made of hard metal, use it carefully. The product includes small elements - screws, nuts etc., so there is a risk of swallowing them. Children must be always watched over by their parents. The product is heavy so be careful while lifting and carrying it (it should be carried by two persons), as there is a health risk. The heater must not be used indoors because there is a risk of poisoning and fire. Do not use the heater while it is raining and in other unfavourable weather conditions, e.g. strong wind, as the heater may tip over and cause burns, fire, cuts caused by sharp edges or the glass from the broken pipe. Be careful while removing and cleaning the glass pipe, so as not to break it and get injured.

⚠ **DANGER:** Always follow local fire regulations that outline the rules for using, marking and setting garden air heaters. Failure to do so may result in serious personal injury, death and fire, which may result in property damage.

⚠ **WARNING:** Put and use the product only on even, flat ground, otherwise it may tip over

⚠ **WARNING:** Fill the heater only when there is no fire in the hearth/burner and all surfaces are cold. Use protective gloves.

⚠ **DANGER:** NEVER cover up the garden heater if the hearth is not extinguished. It can be covered eg. to protect against external influences ONLY 24 hours after the hearth expires and after emptying the hearth.

1. Open the bottom door (DD) and pull out the hearth (PO). This should be done by two persons. One should hold the heater while the other should fill in the hearth, otherwise the product may tip over. Fill the hearth with pellets. Do not fill it to the top, leave 5 cm space below the top edge.
2. The easiest way to kindle pellets is by putting on it natural wood tinder. Do not use liquid tinder or other highly flammable materials. This may cause fire/burns and break the quartz pipe.

⚠ **NEVER use liquid tinder. Do not use gasoline, alcohol or other flammable liquids to kindle pellets. Failure to do so may result in serious personal injury, death and fire, which may result in property damage.**

⚠ **WARNING: Always wear protective gloves to protect your arms and forearms. Failure to do so may result in serious injury and even death.**

3. Push the hearth into the housing.
4. Close the door.
5. The flame may be controlled by covering the openings in the hearth shield (OP) partially. To reduce the flame, cover the openings partially. Do that only when there is no fire in the hearth.

⚠ **WARNING: Always wear protective gloves to protect your arms and forearms. Failure to do so may result in serious injury and even death.**

⚠ **RECOMMENDATION:** The more obscured the holes are, the less oxygen is supplied to the hearth. This results in the appearance of a higher flame (burning oxygen from the glass tube) and a deterioration of combustion quality - possibly of more smoke.

Larger openings result in greater oxygen availability to the hearth (the combustion process takes place mostly in the steel hearth) and better flame quality, but the flame will be lower.

It is recommended to cover the openings so that there is no dark smoke visible and that the flame is bright in color and relatively high.

Therefore, it is recommended that the holes are half-covered as shown in Figure 11.2. This allows the most optimal flame and burning time of the pellet.

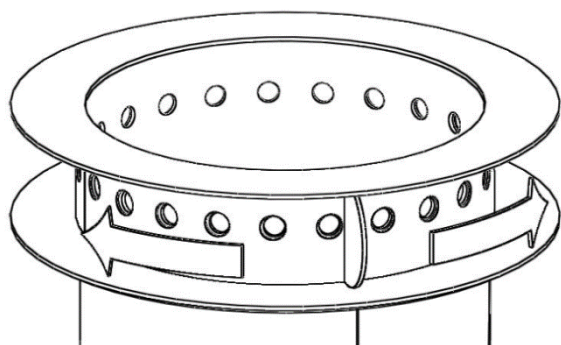


Fig. 11.1. Damper open.

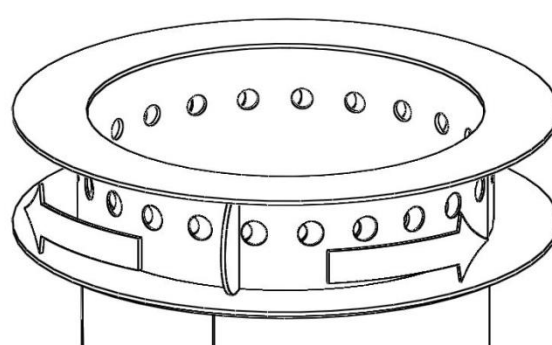


Fig. 11.2. Damper half-open.

⚠ **ATTENTION!!!!** Remember that the pipe may be blackened, however the right fire should clean most of it.

⚠ **ATTENTION!!!!** The heater shields get very hot. High temperature may discolour the housing.

CLEANING, MAINTENANCE AND STORAGE OF THE GARDEN HEATER

- ⚠ DANGER:** All work on cleaning, maintenance and storage of the garden heater should only be performed if the fire in the hearth is extinguished and the heater is cold. Failure to do so may result in serious personal injury, death and fire, which may result in property damage.
- ⚠ DANGER:** NEVER cover up the garden heater if the hearth is not extinguished. It can be covered eg. to protect against external influences ONLY 24 hours after the hearth expires and after emptying the hearth.

Housing cleaning: Wipe surface with damp cloth / mild soap solution. Stains can be removed with a degreasing dishwashing liquid and sponge. **Burner cleaning:** After each use remove the ashes. Perform this activity only when the burner is cold and extinguished. When the burner is extinguished and cold the ashes should be removed from inside by removing of the burner which is held by guides. **Cleaning of glass tube:** carefully remove the glass tube from the burner and clean with a brush / detergent. This should only be done when the pipe is cold.

Maintenance: The internal components of the patio heater are made of metal and are subject to natural processes. The surface of the heater is subject to rusting and discolorations caused by high temperature. It is a natural phenomenon.

Storage: If possible, keep the garden heater in a cool and dry room. If kept outdoor please cover with a waterproof cover. In order to avoid moisture accumulation ensure air circulation.

TYPE	Garden Pellet Heater					Garden Pellet Heater
PRODUCENT	Orte Polska Sp. z o.o.					Orte Polska Sp. z o.o.
BRAND	ORTE					ORTE
MODEL	ORTE GARDEN HEATER TRIANGULAR					ORTE GARDEN HEATER HEXAGONAL
PKWiU	27.52.12.0					27.52.12.0
SYMBOL	GPH3					GPH6
EAN						
Production place	Poland					Poland
Guarantee	2 years					2 years
OPIS						
Condition	New					New
Colour of top	Silver-stainless steel					Silver-stainless steel
Amount of elements	3					6
Type of paint	Texture					Texture
Colour of casing	Available RAL					Available RAL
HOUSING MODEL	1	2	3	4	5	1
Material	Steel Stainless steel Glass Powder painted metal sheet					Steel Stainless steel Glass Powder painted metal sheet
SPECIFICATION						
Type of fuel	pellet					pellet
Heating power (kW)	16,5					16,5
Volume (kg)	10					10
Fuel consumption (kg/h)	3,3					3,3
Manual start	yes					yes
Dimensions and weight						
Number of packs	2					2
Pack 1 dimension (mm)	300 height x 300 depth x 800 width					300 height x 300 depth x 800 width
Pack 2 dimension (mm)	350 height x 600 depth x 1250 width					350 height x 600 depth x 1250 width
Packs weight (kg)	33					35
Product width (cm)	55					54
Product height (cm)	220					220
Product depth (cm)	48					48
Product weight (kg)	30					35
Top diameter(cm)	57					45
Base diameter (cm)	55					54

Product suitable for burning pellets. Do not use any other fuel. Do not burn trash.

In an event of any problems or troubleshooting contact the distributor / sales company.

Depending on local regulations, the product after use may be subject to recycling or energy recovery.

Product instruction available on www.orte.pl

Made in Poland.