



Name of product – Pellet „Olczyk” – coniferous pellet

Use – pellet is an ecological fuel made in Tartak „Olczyk” from wood. It is allow to produce warmth in boilers which are dedicated to burning pellet. As a way of heating pellet can be used in houses, hotels, industry buildings, stocks, public buildings and in every place that occur the need to termal energy.



Composition – Dried sawdust from pine timber, pressed under high pressure to strongly compact the energy.

Characteristic – Pellet „Olczyk” has high calorific value and low moisture content, and ash content from 1 ton of pellets after burning produced is 3 kg of ash which can be used as a natural garden fertilizer. It is environmentally friendly – the production of pellets does not result in additional tree cutting in the forests. Using it provides comfort, cleanliness, convenience during transport and use. CO2 emission during pellet combustion is equal to the amount of CO2 absorbed by tree during its natural growth therefore its balance is zero. Pellets are the renewable energy source. Burning can take place in maintenance – free boilers. Availability of purchase and ease of transport. It is not harmful to humans and does not cause allergies.



Technical parameters :

	<u><i>Norma ENplus A1</i></u>	<u><i>Internal audit Tartaku „Olczyk”</i></u>
Length	3,15- 40 mm ; do 1% permissible length 45 mm	3,15-40 mm
Diameter	6 mm +/- 1mm	6.0 mm
Humidity	do 10 %	do 5,7 %
Ash content	do 0,7 %	0,3 do 0,5 %
Bulk density	600 – 750 kg/m3	635 kg/m3
Caloric value	>4,6 kWh / kg	4,95 kWh / kg
Content of fractions below 3,15	0,5 % for packed pellet to 1 % the rest	0,1 – 0,2%

We do have two certificates confirming the quality :

certificate DIN-plus nr 7A189 according to European norm EN 14961-2



certificate EN-plus A1 nr PL004 according to European norm EN 14961-2





Packing :

- 15 kg bags

7 bags on layers x 10 layers = 70 bags x 15 kg – 1050 kg



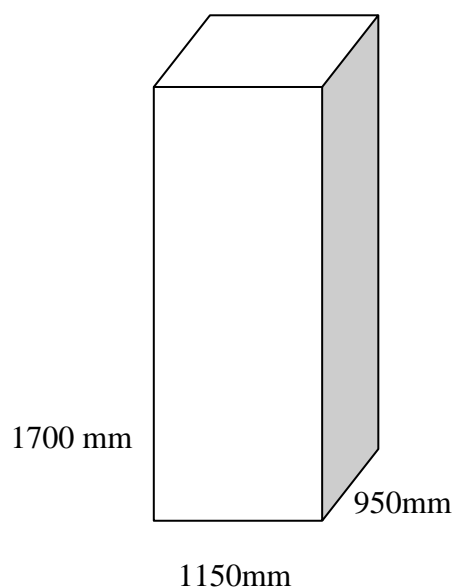
Length. 1200mm X wide. 1000mm X high of pallet 1600 mm

Pellet is stocked on the pallet non – stand standardized, dimensions 1200x1000 mm, protected with foil (hood). Layer of foil from top to the bottom of the entire load on pallet, which if is undamaged protects against weather conditions for a short time. Using spacers pellet can be stack up to the 3 pallets. Recommended spacers are made of plywood with thickness of at least 18 mm and dimension 1250x2500x18. **Pellets packed in this way are not protected against weather conditions and should be strictly protected against rain and sun. UV rays damages the foil – even after a month of storage.**





- package big-bag 1000kg, 1200kg



Pellet packed in big bag for 1000 kg Or 1200 kg. There is possibility of packing bags on disposable pallet in dimension 1200mm x 1000mm for extra charge. Big Bags should be insulated from the ground by storing on pallet. Pellets should be stored in closed, ventilated and dry rooms, should not be exposed to the weather conditions and sunlight which can affects on bags.

- pellet in bulk

Pellets delivered in bulk, a moving floor semi – trailer, truck damper with 24 tonnes, a tanker up to 13 tonnes with exhaust (model no. 1) or tanker truck with a vehicle of 13 to 22 printout (model no.2). The weight of each load is controlled on verified truck scales

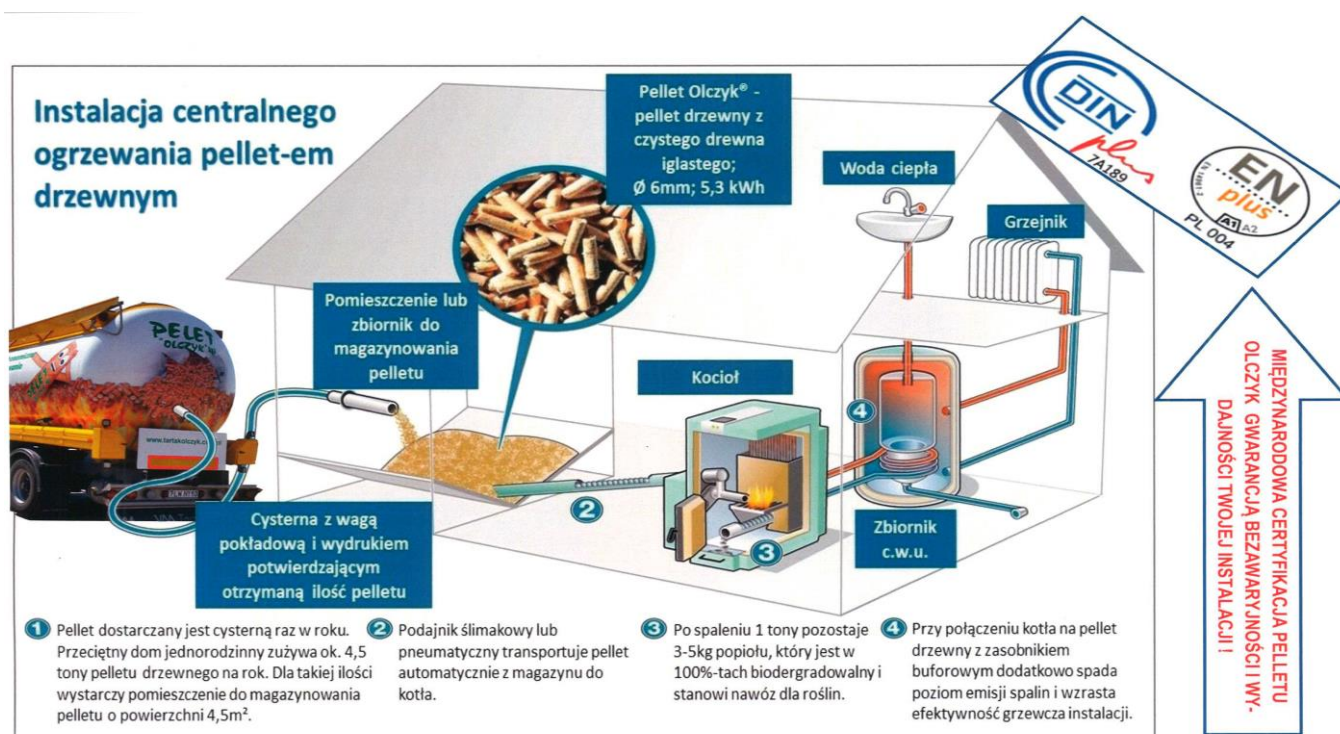
Model no 1





Model no 2.

Moreover, the weight of each load is controlled on verified truck scales. You can find an example of wood heating system below :



Wood pellet installation is an investment in comfort, safety and saving for years, take care of the warmth of your family.

Transport : pellet should be transported in vehicles with tarpaulins or otherwise protected against weather conditions.



Pellets transported in bulk with tipper on moving floor vehicles , the tightness of the loading space must be ensured against weather conditions.

Storage :

Pellet stored in appropriate conditions can be stored for several years without losing technical parameters. It should be stored in the closed, ventilated, dry rooms, free from moisture and condensation from the roof surface made without installation.



Pellet can produce gases in the initial period of production and because of that rooms for storage should be properly ventilated.

Wood material is characterized by high moisture absorption – also from the air. The real humidity of pellet is around 5 % that's why the special care should be taken to store them in conditions of low air humidity.

High humidity and temperature fluctuations may cause vapour condensation on the bags (under the hool pulled on the pallet.). In extreme cases may lead to moisture absorption into the pellets and their destruction. In case of relatively tight bags high humidity and temperature fluctuations should not affect the quality of the pellets.

In case of storage in heaps, periodic measurements of temperature inside the heap should be carried out. In some cases the pile should be periodically “rearranged” or ventilated. Storage of pellets in heaps of large volume and high altitude introduces the risk of combustion. Keep away from heat and ignition sources, do not smoke during unloading and storage area strictly protect against moisture.

Production Marking

In order to ensure the highest quality of the product on every third bag and each pallet on both sides has a sequence of characters – numbers that allow you to specify the date, hour and minutes of pellet production. The identification number must always be given in the case of possible complaints.





Recommendations during combustion :

- Pellet are best burned in dedicated boilers and pellet burners,.
- To ensure optimal combustion conditions the chimney draft regulation should be used,
- During boiler installation appropriate value of the chimney should be provided
- Take care of cleanliness if the boiler and the flue gas channel by systematically cleaning the exchanger
- Property adjust the parameters of feeding and quantity of air during combustion

When using pellet for the first we always recommended performing tests e.g. burning 1 bag of the pellets, i.e. 15 kg, to assess how our pellets perform in your installation.

Additional information from manufacturer :

Pellet Sawmill "Olczyk" is produced in accordance with the highest standards and production regimes. In order to ensure the purity of the material and the minimum possible ash content, the wood is peeled before the production process begins. The sawdust from which the pellets are made is dried in belt dryers. This technology guarantees the best quality and purity of sawdust without burning its particles, from which high-quality pellets are produced. The developed production technology based on the machines of the world's best producers, combined with attention to detail and certainty of the material's origin, guarantees the highest quality pellets.

Sometimes there is a situation that pellets which are produced in accordance with the highest quality standards and made of the best material do not burn properly, i.e. sometimes they smoke, slag and leave a slime on the walls of the combustion chamber. Most customers consider this pellet to be the best and do not want to change it for another. Based on our assessment, this discrepancy is only due to an incorrect setting of the operating parameters of the heating device. We always recommend that you test the pellets first, check how it burns, and then buy more. Pellets can be burned in practically every boiler with a feeder. Pellets are ecological, clean, convenient and economical fuel. The purchase of a combustion appliance is considered to be the lowest risk investment in the long term.

In the technological line of pellet production, there are installed more than 17 metal separations are installed. The last points are before pouring the material into bags, big bags, slack. This ensures that no metals can appear in the pellets.

Our technical production capabilities allow pellets to be screened directly before loading, ensuring that the pellets do not contain other fractions than those permitted by the standards.

We have our own laboratory where the quality of pellets is checked every 6 hours in terms of humidity, density and abrasion - pellets resistance to abrasion and ash content. Tested samples are stored for 12 months.

Weight of bags with pellets is controlled by automatically operating, certified dynamic scales. Additionally, after



loading, each car is weighed on a legalized car scale. The entire weighing system ensures that the customer gets the amount of pellets ordered and paid for.



Complaints in the sawmill "Olczyk":

However, if a complaint occurs, please document such a fact by taking a photo, providing the production code, which is on the sides of the bag or pallet, and sending a completed complaint questionnaire.

During the offering process or the first order, the Customer receives this "Olczyk" Pellet Product Card in accordance with the procedure of the "Olczyk" Sawmill, and thus becomes acquainted with the properties, technical parameters of the product and the requirements for its proper transport and storage. This product sheet is also available on our website www.tartakolczyk.pl

In order for the complaint to be submitted correctly in accordance with the requirements of the certification body, and thus effectively, at the "Olczyk" Sawmill, a 7-day period counted from the date of pellet delivery must be met. On the delivery document Wz, there is a note informing about the rules of complaint procedure applied by us:

"The Buyer hereby confirms the receipt of the goods in the completely flawless condition in the quantities and assortment specified in this document. He also confirms that he has been acquainted with the properties of the goods and the rules of its storage and use. The seller gives 7 days from the date of delivery of the goods to report defects in the quality of the received goods immediately after their detection. After this date, the complaint will not be considered. "

Then the presented / indicated document confirming the purchase - VAT invoice, receipt along with the completed complaint form. The notification should also include photos of the product with the production code, as well as photos showing the defect, e.g. damage, the claim constituting the cause of the complaint. Finally, please indicate the reason for the complaint in the description.

Within 2 - 3 days, we will take a position on the complaint submitted to us.



In case of any doubts as to the quality of the pellets, the quality of the pellets is assessed through laboratory tests performed in our laboratory.



For this purpose, conciliation samples are taken at the customer's site or the samples can be sent by the customer to the Manufacturer in an undamaged, original 15 kg bag. The research is free of charge. In case of doubts, the customer can always send one of the conciliation samples on his own or through us for analysis to an accredited research unit. The time to perform such a test is about 2 weeks. The cost of the test fluctuates on the day the card is prepared, around PLN 600, however, it should be remembered that these costs are not fixed. If, as a result of the test, it turns out that the pellets did not meet the declared standards, the costs of the test will be covered by the Manufacturer, otherwise the costs are covered by the person submitting the analysis, in this case the Customer.

The discoloration that is presented in the photo below is an incidental phenomenon caused by the pellet burning in the matrix. This is not a product defect. It does not diminish its quality in any way, but on the contrary shows much higher technical parameters than normal pellets.

Although the method of packing and securing excludes the possibility of damage to the pellets, the Sawmill "Olczyk" is not responsible for:

- mechanical damage caused during transport by external transport companies
- damage with a forklift truck during unloading by the customer
- inadequate storage

Complaints are sporadic and we consider them if they are justified. They are an opportunity for us to optimize and further improve our production and trade activities for the benefit of customers of the "Olczyk" Sawmill, and our priority is your satisfaction.



Thank you for your trust and we invite you to visit our website

www.pelletolczyk.pl

www.tartakolczyk.pl

and familiarization with the pellet production and combustion process

<https://www.youtube.com/watch?v=y8Vvm-Xzxs8>,

<https://www.youtube.com/watch?v=09j3FM2R8DQ>



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