

Wood Pellet Delivery Guide



VerdEnergy only supply ENplus A1 wood pellets, delivered using specialist pneumatic, earth bonded lorries, smooth bore low friction hoses, which are only used for wood pellet deliveries to limit contamination issues.

Connections

VerdEnergy use the industry standard Storz 110A type coupling, we also carry Cam Lock fittings and a variety of bespoke adaptors to ensure we can supply all silos.



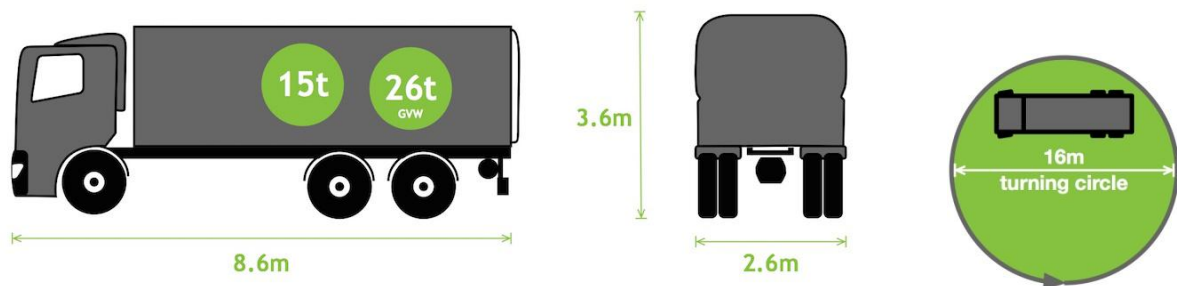
Delivery Distances

The length of the delivery hose should ideally be under 20 metres, our vehicles can blow over 30 metres but fuel degradation could be increased. Remember the longer the hose run the longer it will take to discharge pellets (discharge volume is c. 89db) and the greater the risk of the pellets disintegrating. Similarly the hose should ideally be laid straight from the lorry to the hopper, limiting the number of sharp changes of direction will cause pellet damage. Delivery vehicles need to make drops on level ground if possible. And the VerdEnergy fleet are all 6 wheeled to allow versatility in accessing sites.

User Requirements

The UK Pellet Council recommends that the boiler should be switched off prior to the silo being filled. The obligation to switch off the boiler rests with the owner of the installation and recommended timescales for the switch off can be sourced from the boiler manufacturer. There is a small risk that air pressure created within the hopper could make its way via the auger into the boiler and cause combustion, a boiler that is off prevents this.

Vehicle Sizes & Volume



Standard VerdEnergy Pellet Specification

Origin:	Virgin Forestry Source	Bulk Density:	(Loose) 650 kg/m ³
Dimensions:	6mm ± 0.5mm	Net Calorific Value (NCV):	>18.0 MJ/kg
Moisture:	(w-% as received) ≤ 7 %	NCV per Tonne:	Approx. 4800 kWh
Ash:	(w-% of dry basis) ≤ 0.3 %		
Sulphur:	(w-% of dry basis) ≤ 0.05 %		
Chlorine:	(w-% of dry basis) ≤ 0.03 %		

The pellets are manufactured in the EU and the raw material is sourced from EU sawmills and forestry, conforming to the A1 specification of the British Standard EN 14961-2: 2011 Solid biofuels - Fuel specifications and classes Part 2: Wood pellets for non-industrial use and the EN plus standard.



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Accreditations

VerdEnergy only supply ENplus A1 Virgin derived and certificated wood pellets. We are registered with the Biomass Suppliers List (BSL) (Reg. No. 0152656) to enable claimants of the Renewable Heat Incentive (RHI) to use our fuels. We in-house test every load of fuel before delivery and all of our fuel is screened at least twice before dispatch. VerdEnergy also use a third party testing body to ensure our ongoing compliance to the ENplus standards. We are ENplus Trader certified (Reg. No. 331) for our customer service, pellet delivery and husbandry.



Dust Extraction

VerdEnergy use active dust extraction as standard with ALL our Wood Pellet deliveries. The regulations for ENPLUS pellet delivery require dust/air extraction equipment to be utilised during the delivery of pellets to prevent an air pressure build up during delivery and also to assist in the removal of fines that are generated during the delivery process.

Our equipment can be operated on site with a 13 amp plug, or our direct from our vehicle if no suitable supply is available. Our equipment is PAT tested every six months, our trucks carry the appropriate filter bags. With a weight of 22 kgs the equipment is manageable by delivery staff and is stored in a pannier on the vehicle. Our staff are experienced bulk solid handlers, employed direct by us, DBS checked, wear uniform and carry photo ID.



Store Cleaning

VerdEnergy can also offer store cleaning, staff hold Confined Space Working certification, will enter stores, sweep, vacuum and remove accumulations of fines and dust. The ENplus guidance is that this is done either every 3-5 deliveries or annually depending on store size.

Using a supplier that screens product, regularly cleans stores and uses dust extraction reduces boiler wear and tear, improves boiler performance, increases efficiency, lowers fuel consumption costs and reduces outages. VerdEnergy, do all of this as standard.