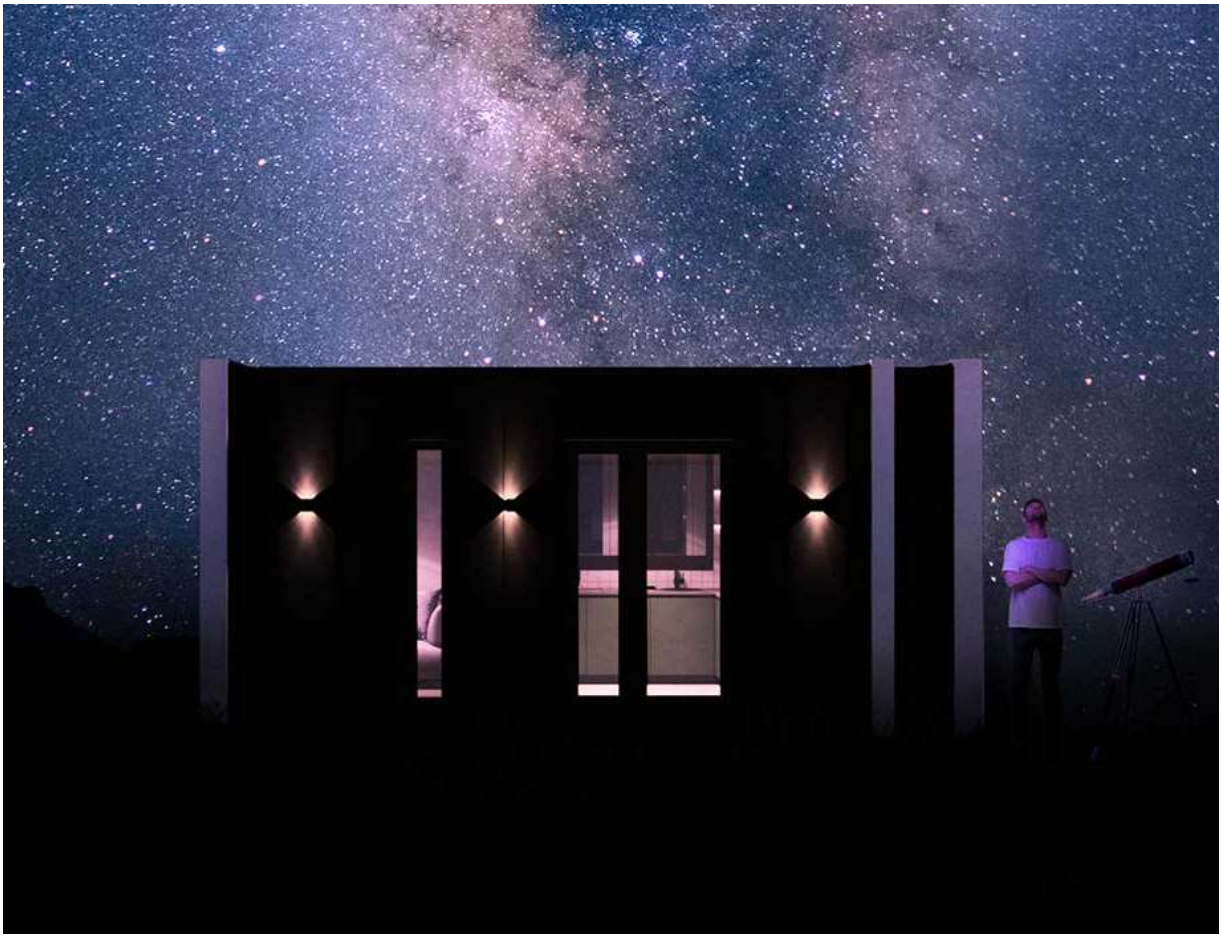
Elda Tiny House - Ultra

One-bedroom layout

Description & technical data



The tiny space of your dreams awaits

Custom interior

General characteristics

- Exterior dimensions: 6500x2550x3000mm (LxWxH);
- Interior dimensions: 6100 x2250x2400mm (LxWxH);
- Total house surface: 16.5 sqm
- Total house weight is approx.: 2.6t (unfurnished);
- Subdivision into 3 areas with different functions, as follows: living area that can be transformed into a reset area – 1 bedroom, kitchen area and bathroom area;
- Designed to operate within normal parameters even under extreme temperature conditions: the lowest up to -15°C and the highest up to 45°C;
- The bathroom is separated from the other areas by the sliding door inside the wall;
- Building elevation 200mm above the level of the landscaped area thanks to 6 metal pillars;

Technical parameters

Electrostatically painted stell structure (as opposed to the direct purchase of prefabricated steel structures of containers);

Efficiency in the composition of wall layers: durability over time, optimal level of thermal and sound insulation;

Ease of administration, easy maintenance, easy to repair/replace any damaged element;

Glazed spaces in accordance with high standards of thermal insulation and UV protection which ensures brightness and comfort to the whole space;

Dimensions (standard within the regulated gauge) and specific elements of the structure, which facilitates transport;

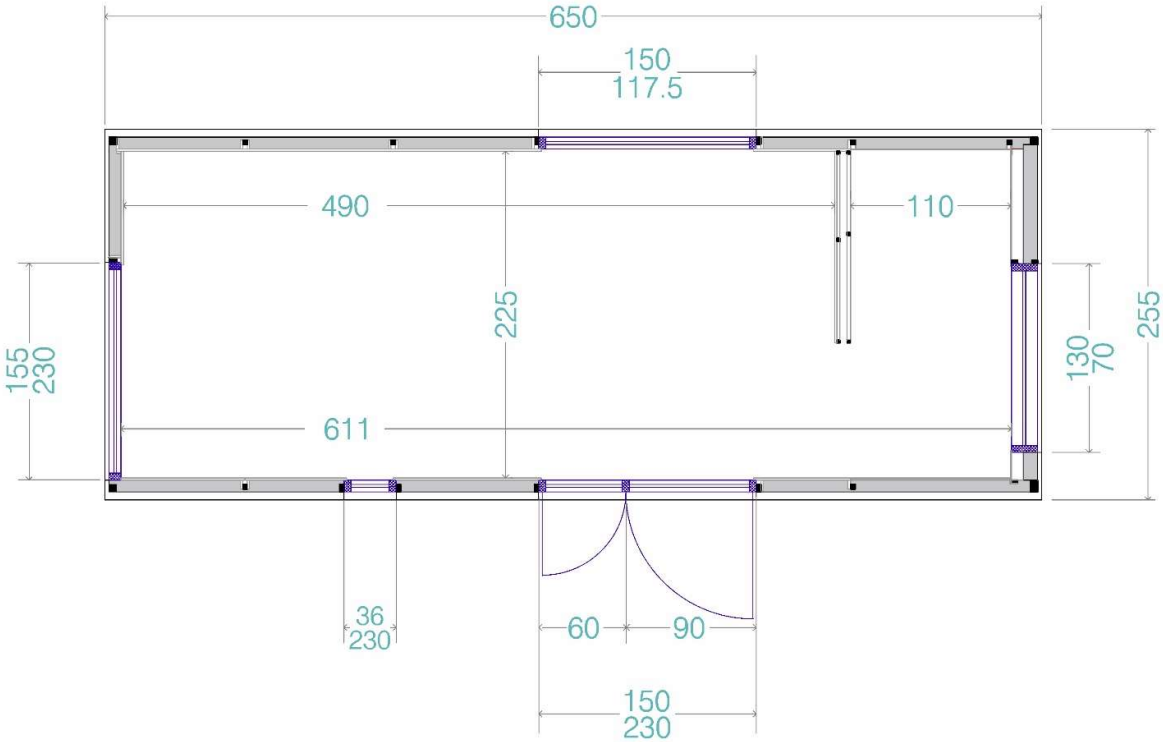
Destination of the product

Designed on 3 different areas (although space is limited): day / night / kitchen / bathroom which fully covers the living and long-term needs.

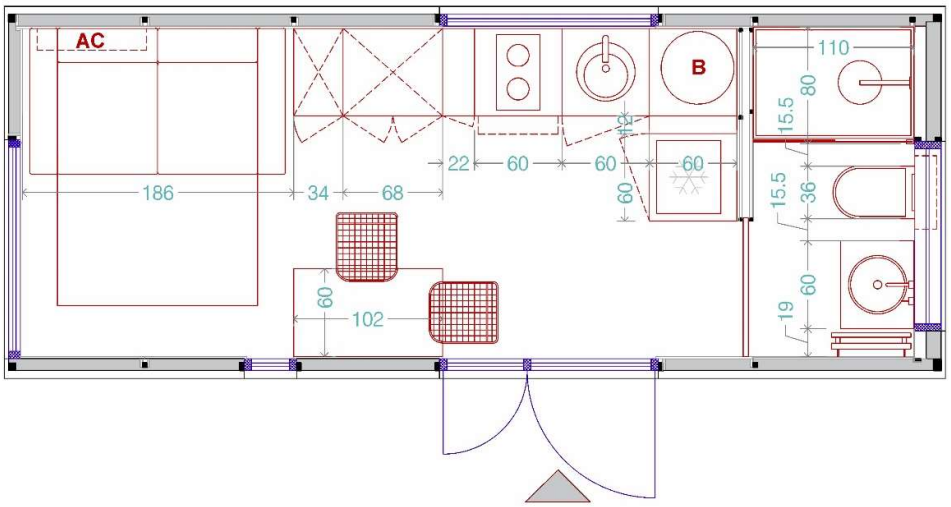
Various designations / purposes in use: main or secondary residence / tourist unit / relaxation and leisure space / guest house / workspace.

According to the setup the space can also be used for commercial uses (retail unit), bar, street food / coffee shop / office.

INTERIOR / EXTERIOR AND WINDOWS DIMENSIONS



FURNISHED PLAN DIMENSIONS



* dimensions are in cm

** the furnished layouts are a suggestion of interior design

Structure characteristics

BASE FRAME

- Metal structure provides an excellent efficiency and durability and is made of rectangular steel pipes, electrostatically painted; the main advantage results in high resistance of extra load (e.g., snow load of 450kg/sqm) as well as an excellent posture during manipulation / transport operations;

INSULATION

- Ensuring a thermal bridge – increased efficiency, the insulation is made of 100mm thick PIR panels finished with a vapor barrier membrane. Interior walls are finished with white melamine fibreboard and HPL boards in the bathroom area;

CONSTRUCTION ELEMENTS

- **Exterior:** ventilated walls, starting from exterior, are made of decorative corrugated metal sheets fixed on wooden profiles, continued with a layer of 3mm electrostatically painted aluminium-composite metal sheet;
- **Interior:** inwards, 80mm PIR (polyisocyanurate foam) panel insulation with a certified thermal conductivity of 0.022W/m^2. The insulating layer of the panels is enclosed between 2 outer membrane faces, acting as a vapor barrier. The interior is made of white melamine fibreboard, except the kitchen and bathroom area where HPL boards of 6-12mm are applied;
- **Walls:** interior house walls are easily to disassemble (click-clack system) manufactured in such way that any interior potentially damaged item can be easily replaced;
- **Roof:** ventilated roof; Interior panels are made with white melamine fibreboard for the whole house and HPL boards in the bathroom; the insulation is provided by 100mm thick PIR panels followed by a vapour barrier membrane. Roof is double-ridged, with electrostatically painted galvanized steel sheet, under which an anti-condensation fitted film;
- **Flooring:** special HPL boards applied for wet environment demands. A 21mm TEGO cladding was installed under the finishing elements over the floor insulation. The insulation is made of 100mm high efficiency PIR panels. On the outside, the floor is clad with 3mm aluminium-composite sheet, electrostatically painted;
- **Large windows / entrance door:** offering a high protection against cold 3-layer Low-E triple glazing framed by PVC joinery with 5-chamber profiles inside;

Installation characteristics

ELECTRICAL

- Made of flame-retardant materials according to technical requirements on the field;
- Cooper conductor cables protected by flexible metal tubes with anti-corrosion plastic sleeves;
- Electrical panel with premium switchgear, Schneider type, equipped with 30mA differential protection on outgoing circuits, including sockets and lightning respectively;
- General purpose sockets distributed on 3 specific circuits;
- Power consumers (air conditioning, electric stove, electric boiler and frost protection system) each separately protected in the electric panel;
- Interior lightning system with luminaires equipped with LED light sources;
- Area-based operation of interior lightning is provided by simple and two-way touch switches;
- Architectural façade lightning with wall-washer type luminaries, controlled by a dedicated simple touch switch;
- Power supply at Un=230V in TN-S scheme (F, N, PE);
- TN-S earthing system, with 3 conductors according to technical requirements in the field, in which the neutral conductor N and the earth conductor PE are separated;
- Earthing terminal

PLUMBING

- The cold-water supply installation is made of multilayer pipes PP-R type (polypropylene) 20mm diameter (½")
- The hot water supply installation is made of 20mm diameter (½") multilayer pipes PP-R type with aluminium or composite fibre insertion;
- Separate water connections for electric boiler;
- Closet tank with buried installation;
- Electrical frost protection system for hot and cold-water pipes, with self-regulating parallel heating cables and thermal insulation;
- Indoor drainage with 50mm and 110mm diameter PP pipes;
- Drain taps on hot and cold-water installations;

RAINWATER COLLECTING INSTALATION

- System consisting of gutters and downspouts for collecting and draining rainwater resulting from rain or melting snow from the roof;

Ambiental elements

DESIGN

- Modern and attractive exterior design of the façade from the glazed corrugated steel sheet, framed by aluminium compozite panels;
- The main colour is anthracite grey;
- Kitchen furniture (as in the presentation photos) equipped with built-in refrigerator and induction stove **(Full package only);**

LIGHTING SYSTEM

- Modern lighting fixtures with aluminium rail equipped with 3 LED spots **(Full package only);**
- The individual design is enhanced by architectural lightning system formed of 3 spots on the main façade and 1 on the behind **(Full package only);**

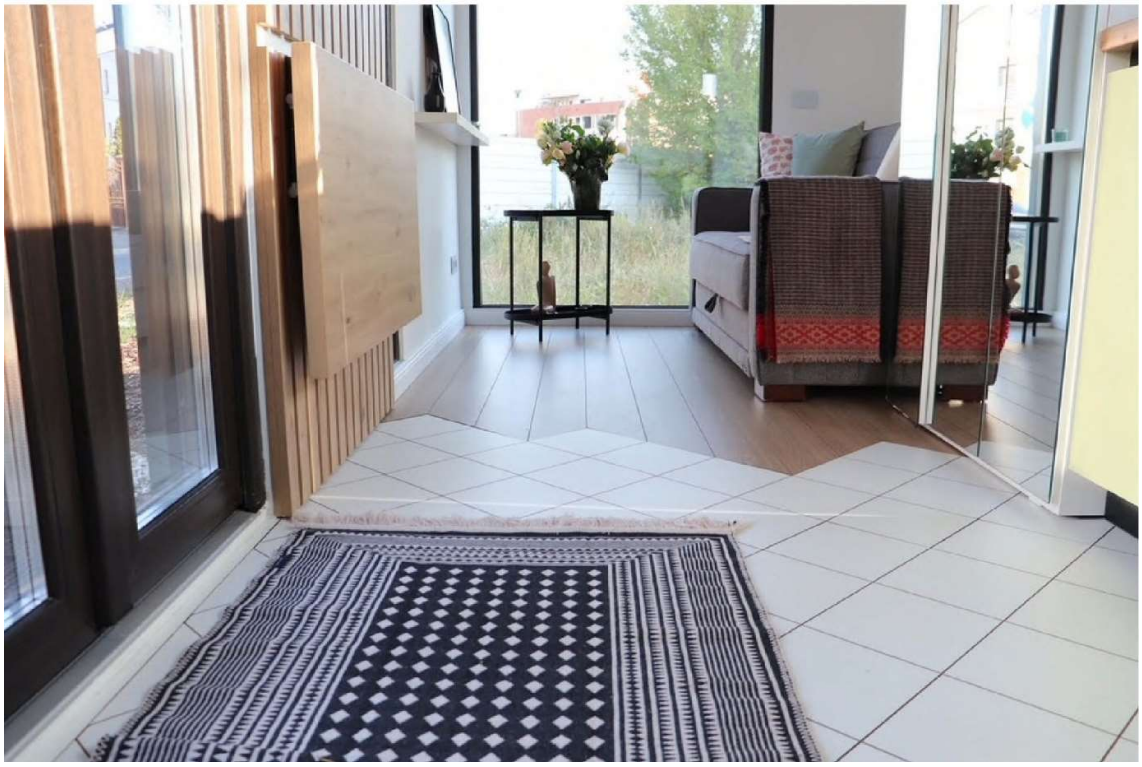
HEATING AND COOLING SYSTEM

- Electric floor heating cowering the whole house surface ensures a comfortable floor temperature with CA heating foil and a power of max 100w/sqm;
- Electric boiler **(Full package only);**
- Electric towel rack radiator in the bathroom **(Full package only);**
- AC type climate control system **(Full package only);**

Remarks

1. Upon request, the customer can choose one of the 3 design options of the finishes presented in the mini-catalogue;
2. Red color marked specifications represents differences between Comfort and Ultra configurations;
3. Depending on requirements there may be cost variations due to differences in materials and construction solutions used;
4. The builder reserves the right to modify the present without prior notice;

Bathroom setup



Main space setup

Borne by the beneficiary

The beneficiary will take care of the development of the land on which the ELDA Tiny House will be placed, including the works for the ground fixing of the house, while obtaining, if requested by the local public authorities, a Building Permit.
As well, the connection of the utilities shall be made in compliance with the regulation in course, made on requirements of the public utility company.

More details

Feel free to contact us at sales@eldaspaces.com or on +40 756 238 190 for any other details about the house and its characteristics.

More pictures on request.