

## Appendix 1, Product description (specification of merchandise)

### Container house 40'HC type

#### 1. General information

Container house produced using a pre-used 40'HC type sea container.

The description below contains information regarding the container specifications, materials used in production process, dimensions and equipment.

#### 2. Dimensions

	Length [mm]	Width [mm]	Height [mm]
External	12192	2438	2896
Internal	11800	2145	2500

All the dimensions above are given in millimetres. The permissible tolerance on the internal dimensions is +/-2,5%.

Part	Thickness [mm]	Material
Corner post	6	Corten* steel S235
Top longitudinal beam	3	Corten steel S235
Roof	2	Corten steel S235
Side wall	2	Corten steel S235
Floor	28	Wooden plywood
Transverse floor enhancement	4	Corten steel S235
Window profiles	2	Steel S235

\* Corten steel – low alloy steel with increased resistance to atmospheric corrosion

### 3. Container insulation

Insulated part	Material	Insulation thickness	Thermal conductivity (W/mK)	Reaction to fire class *
Roof	ROCKWOOL mineral wool	100 [mm]	0,036	A1
Wall	ROCKWOOL mineral wool	50 [mm]	0,036	A1
	ISOVER Mineral wool	50 [mm]	0,038	A1
Floor (living room+ bedroom)	Floor polystyrene	30 [mm]	0,038	E
Floor (bathroom)	Polystyrene	30 [mm]	0,033	F

\*Reaction to fire class given according to EN 14315-1:2013 standard

### 4. Internal finishing

#### 4.1 Walls:

- Sub-construction – Chipboard sheet 12,5 [mm]
- Waterproof gypsum plasterboard 12,5 [mm]
- Spackled, primed, painted grey

or/ and

- Wooden sub-construction
- Spruce panel

#### 4.2 Ceiling:

- Sub-construction – Chipboard sheet 12,5 [mm]
- Waterproof gypsum plasterboard 12,5 [mm]
- Spackled, primed, painted white

#### 4.3 Floor:

- Floor polystyrene 30 [mm]
- Chipboard sheet 12,5 [mm]
- Glue less flooring underlay 4[mm]
- Oak effect laminate flooring. AC rating: AC5

## 5. Windows and doors

TYPE	Colour	Glazing	Uw-value	Function
FIXED WINDOW 500x2450 [mm]	Anthracite	TMP4/ 16(Ar) steel / float 4	1,49 W/m2K	Permanent
EXTERNAL DOOR 1800x2165 [mm]	Anthracite	TMP4/ 16(Ar) steel / float 4	1,37 W/m2K	French door
WINDOW 2100x500 [mm]	Anthracite	TMP4/ 16(Ar) steel / float 4	1,36 W/m2K	Hopper type
WINDOW 1000x360[mm]	Anthracite	TMP4/ 16(Ar) steel / float 4	1,41 W/m2K	Hopper type
WINDOW 2200x2520 [mm]	Anthracite	TMP4/ 16(Ar) steel / float 4	1,25 W/m2K	Permanent

## 6. Electrical installation

- Finishing: concealed wiring
- Connectors: outer permanent socket 32A 400V 3P+N+Z 6h IP44
- Distribution box: internal three-phase grid
- Residual current protection device DC 40A, AC 0,03A, surge current 250A
- Internal sockets:
  - Bathroom and kitchen: 230V 16A IP44, inner: graphite, outer: white
  - Living room: 230V 16A, inner: graphite, outer: white
- Lighting:
  - Living room: white ceiling lamp fixture, A++, IP20
  - Bathroom: chrome ceiling lamp fixtures, A++, IP65
- Heating:
  - Living room: electric forced convection, power: 2kW with thermostatic control
  - Bedroom: electric forced convection, power: 1kW with thermostatic control
  - Bathroom: electric forced convection, power: 500 kW with thermostatic control

## 7. Plumbing installation

- Water plumbing installation made of PVC welded pipes, buffed.  $\frac{3}{4}$ " ball valves.  
Plumbing connection  $\frac{3}{4}$ " with maximum pressure of 4bars.
- Gravitational sewage 100mm
- Connections accessible via revision on lower beam as shown in the picture.

## 8. Furnishings and equipment

### **Kitchen:**

IKEA kitchen units:

Colour: white/ light ash tree

Series: Metod

Optional equipment:

- Kitchen:
- 2 burner induction stove CANDY CDI 30
- Oven with microwave function SAMSUNG NQ50J3530BS
- Dishwasher HOTPOINT-ARISTON LSTB 6B019 EU

### **Living room:**

IKEA furniture

Colour: white

Optional equipment:

- 3 seater sofa-bed
- LACK coffee table
- LACK shelf 190x26 [mm]
- Table 125x75
- NORDMYRA chair
- SELJE night table

### **Bedroom:**

IKEA furniture

Colour: white

Optional equipment:

- Daybed frame with 2 drawers, white
- Foam mattress, medium firm
- LACK shelf 190x26 [mm]
- PAX wardrobe 1000x350x2360 [mm]