

TECHNICAL SPECIFICATION

(DGL618)

FOR

20' × 8' × 9'6"

ACCOMMODATION CONTAINER

WITH

1 PAIR OF FORKLIFT POCKETS

SPECIFICATION NO.: DGL618
MODEL NO. : SHS-AC-H20
ISSUED ON : FEB. 2008

TECHNICAL SPECIFICATIONS

GENERAL

The standard container for various purposes is suitable for international container transport. It is of appropriate external dimensions and has connections for lifting and fixing or compounding. The container is designed as a light construction consisting of floor and roof frames and corner profiles. The construction enables compounding of individual containers in longitudinal and transverse directions without limits. It also enables compounding of containers, or in 4 floors in height for warehousing of these containers (ground floor + 3 floor).

The wainscots of the container are made of light insulation panels and offer pleasant climate in the interior due to their building and physical properties. Used materials are environmental friendly. Containers can be delivered assembled or individually – in packages 648mm high.

DIMENSIONS (ISO Standard 1161)

- External length 20'/inner length 20': 6.058m/5.855m
- External width/inner width: 2.438m/2.235m
- External height/inner height: 2.790m/2.500m

STEEL FRAMEWORK

Material: cold formed steel profiles in a thickness of 3 to 4mm

Surface working: electric galvanization in the thickness of 10 μ m, Epomarine GX primer (epoxy resin, amine adduct and special additives) in a thickness of 10 μ m, Rabamarine BTB (chlorinated rubber resin) in the thickness of 60 μ m thick

Fittings: 8 corner fittings (dimensions according to ISO standard 1161), rainwater pipe in the roof framework, plate thickness of 0.5cms excluding top corner fittings of the top Kit of each bundle 2cm thickness) and bottom ones of the bottom kit of each bundle (1cm thickness)

Forklift openings: openings for a fork-lift truck in the floor framework, dim 88x250mm in a distance of 1200mm

FLOOR

Composition:

- external wainscot: flat galvanized steel sheet metal in a thickness of 0.5mm.
- insulation filling: mineral wool in a thickness of 100mm among steel transverse supports
- steam blockade: PE foil in a thickness of 80 μ m
- plywood panel in a thickness of 18mm
- floor covering of brand LG with NO.1307 in a thickness of 1.8mm. As the characteristic of LG flooring esp. combustibility characteristic see photo and the explanation.

Permitted loading : 3.00 KN/m²

Coefficient of thermal conductivity: $k=0.358\text{W/m}^2\text{K}$

ROOF:

Composition:

- external wainscot: flat galvanized and painted steel sheet metal in a thickness of 0.5mm
- insulation filling: mineral wool in a thickness of 100mm among plywood purlins
- steam blockade: PE foil in a thickness of 80 μm
- inner wainscot: chip wood panel in a thickness of 8mm with a foil in white colour not with a foil in wood pattern; joining of chip wood panels with PVC profiles

Meteor water outlet: 4 each of PVC rainwater pipes, diameter 40mm in corner pillars

Permitted loading: 2.00 KN/m²

Coefficient of thermal conductivity: $k=0.368\text{W/m}^2\text{K}$

FACADE WALLS

Accommodation container

Side panels width: 1145mm; total panel thickness: 70mm. Five panels fit into the long side and two panels fit into the short side of container and they are fully interchangeable

Composition:

- External wainscot: galvanized and painted (29 μm) steel sheet metal in a thickness of 0.5mm
- Insulation filling: mineral wool in a thickness of 50mm in the wood framework
- Inner wainscot: chip wood panel in a thickness of 8mm with a foil in wood pattern white colour

Joining of panels with PVC profiles. Final elements in the interior are made of chip wood panel in a thickness 8mm with a foil in wood pattern

Permitted loading: 1.00 KN/m²

Coefficient of thermal conductivity: $k=0.581\text{W/m}^2\text{K}$

DOORS

External doors: AL, single fold, filled door with opening dimensions of 800X2000mm, furnished with a cylinder lock with 3 keys. Doorframe is made of painted sheet metal, and overall dimensions of 870X2040mm, 40mm thick, made of painted sheet metal as the framework, insulated with polyurethane foam

WINDOWS

Windows are made of:

PVC, white color, with dimensions 800X1100mm, glazed with double layer glass in a thickness of

4/10/4mm, with “tilt & swing” mechanism, supplied with external PVC rolling shutters in PVC guides.

or:

aluminum, white color, with dimensions 800X1100mm, glazed with single layer glass in a thickness of 5mms, with “sliding” mechanism (both sliding) , supplied with external PVC rolling shutters in AL guides.

Coefficient of thermal conductivity: $k=2.7\text{W/m}^2\text{K}$

ELECTRICAL INSTALLATIONS

Standard:	according to VDE 100 regulations
Voltage:	220/380 V, 50 Hz
Distribution box:	DB complete sunk into the ceiling(See photos “DB xx”),power from outside into different circuit to connect inside from the middle of ceiling.
Network connections:	CEE-connection plus/socket, 3-pole 32 A, 220V~, mounted on the top frame in upper corners of a shorter side wall
Inner distribution system:	BVVB cables of suitable dimensions, flush-mounted
Protection:	two pole circuit breaker, automatic fuses of suitable power (10A, 16A).
Earthing:	galvanized connector with a steel plate of dimensions 30x80mm welded on the bottom frame
Pipeline:	complete pipeline

Fittings:

- electric distribution box – 1x40/4E-0,03A (protective current switch), 1x10A & 2x16A (automatic fuses)
- two fluorescent lights 2x40W 220V– 2 each
- flush-mounted sockets 220 V (Germany type/Chinese type)– 4 each
- flush-mounted switches 220 V – 1 each
- no telephone line hole at all. See photos”Tele hole xx”.
- Wires with full conduit.See photos”Wire xx”

Remark: Number and arrangement according to the enclosed drawings of standard container types.

WARRANTY

Complete – container, equipment and installations have 1 year warranty, paint have 1 years warranty.

POSSIBILITIES OF CONTAINER MOUNTING

- on a flat solid surface (asphalt, concrete,)
- on point foundations (concrete cubes, dimensions 30/30/30cm, 6 pcs/20' container)
- on band foundations (concrete band, 30cm wide, on the container circumference)

ADDITIONAL FITTINGS (against additional payment)

- openings for a fork-lift truck in the floor framework, dim. 88x350mm in a distance of 2050mm
- openings for a fork-lift truck in the floor framework, dim 88x250mm in a distance of 1200mm
- deepening in the ceiling framework for a connection plug/switch to be built-in
- final floor covering, in a two-component polyurethane hard coat, 2mm thick
- smoke detector
- protection bar for window
- protection bar for door
- anti panic handle
- electric heater
- mosquito net for window

Remark: Rights to technical changes are withheld.