



Technical Description For MK-CTX Office Cabins

Inside Length
5860 mm Width
2240 mm Height

2340 mm Outside Length
6055 mm Width
2435 mm Height

2591 mm Weight 1924 kg

In General:

The following description refers to the specification and design of standard cabins

Our office cabins match the ISO - norm dimensions and have therefore many advantages of that system. They consist of a solid frame construction and interchangeable wall panels.

FLOOR

Frame construction:

Cold rolled, welded steel profiles, 3mm thick
4 corner casts, welded
2 fork lift pockets (Except 30') - centre distance 2,050mm
(Alternatively 1.650mm)
(inside cross members with Omega profiles, thickness = 2.5mm)

Insulation:

60 mm mineral wool slabs (Density 16 - 24 kg./m³)
Flammability class A Q1 - low smoke emission
Both in accordance with ONORM B 3800

Sub floor:

0.63 mm thick, galvanized steel sheets

Floor:

22mm chipboard
Water resistant (V 100)
The chipboard complies with the emission value E1



(Definition according to DIBt directive 100, version June 1994)

1.5 mm thick vinyl floor cover

Flammability class B1 - hardly combustible

Smoke density class Q1 - low smoke emission,

Welded seams

Roof:

Frame construction:

Cold rolled, welded steel profiles, 3mm thick

4 corner casts, welded, dimensions according to ISO -norm

Wooden cross members 1 x w = 100 x 40 mm

Roof cover:

0.63 mm thick, galvanized steel sheet, double folded joint along the whole cabin length

Insulation:

100mm mineral wool slabs (density 16 - 24 kg /m³)

Flammability class A - non combustible

Smoke density class Q1 - low smoke emission

Both according to ONORM B 3800

Ceiling:

10mm chipboard laminated on both sides, white water resistant (V20)

The chipboard complies with the emission value E1

(Definition according to DIBt directive 100, version June 1994)

- CEE connection:

Recessed in frame on short end side

Corner posts:

Cold rolled steel profiles, 3mm thick

Welded to the roof and floor frame

Wall Panels:

Wall thickness 70mm

Panel types:

Full panel

Door panel

Window panel

Sanitary window panel

Half panel

External cladding:

Corrugated, galvanized and coated steel sheet

0.63 mm thick

**Insulation:**

60 mm mineral wool slabs (density 16 - 24 kg/m³)
Flammability class A - non combustible
Smoke density class Q1 - low smoke emission
Both according to ONORM B 3800

Internal cladding:

10mm laminated chipboard (V20); light oak
The chipboard complies with the emission value E1
(Definition according to DIBt directive 100, version June 1994)

PARTITION WALLS

Wall thickness 60mm
(Optional)

Panel types -
Full panel
Door panel

Frame:

40mm thick wooden frame

Cladding on both sides:

10mm laminated chipboard (V20); light oak
The chipboard complies with emission value E1
(Definition according to DIBt directive 100, version June 1994)

STORM PORCH

(Optional)

Dimensions approx. 660 x 1,100mm
Wall thickness 60mm ; light oak
Internal door with steel frame
All glass lamp

DOORS:**External door:**

Right or left hand hinged
Door blade with galvanized steel sheets on both sides,
40mm insulation
Steel frame with triangular wraparound sealing
Dimensions: internal clearance
875 x 2000 mm 811 x 1968 mm

INTERNAL DOOR

(Optional)



Right or left hand hinged
Door blade with galvanized steel sheets on both sides,
40mm insulation
Steel frame with triangular wraparound sealing
Dimensions: internal clearance
625 x 2000mm 561 x 1968 mm
875 x 2000 mm 811 x 1968 mm

WINDOWS

UPVC - windows with double glazing and integrated roller shutter box; colour @ white
One hand tilt and turn mechanism
Window dimensions: 945 x 1200 mm
Roller shutter box with blind fastener:
Height 145mm, lamella colour: light grey

ATTENTION:

The built-in insulation glass is only suitable for an altitude up to 1,100 m above sea level. Above 1,100 m pressure compensation must be undertaken.

ELECTRICAL INSTALATION:

Technical data:

Recessed CEE external plug and socket connections
Voltage 230 / 400 V
50 / 60 Hz, 3/5 poles, 32 A
Circuit diagram for assembly provided inside the consumer box
Consumer box, surface type, 1/2 row
Residual current operated device 40 A/O. 03 A 2/4 poles
Circuit breaker 10A / 13 A (Light) 2 poles
Circuit breaker 13A (convector heater) 2 poles
Circuit breaker 13 A / 16A (Sockets) 2 poles
2 twin wall sockets
Light switch
2 twin batten fluorescent light tubes with plastic covering 2 x 36 W

Earthing:

Earthing conductor of galvanized flat steel clamp.
The protective earthing installation on site must be carried out by the buyer / hirer.

Safety advice:

The cabin can be linked electrically at the external CEE plugs and sockets. For the decision how many units to connect electrically the expected constant current in the link circuits has to be considered.
The commissioning has to be carried out by an approved electrician.

HEATING AND AIRCONDITIONING:

(Optional)



Individual heating by frost heaters, thermostatically controlled electric convectors and / or fan heaters with safety for overheating.

Mechanical air circulation via extract fans. Air-conditioned units can be supplied on request.

Regular ventilation of the rooms must be provided - a relative humidity of 60 % at 20 C should not be exceeded in order to avoid condensation!

INSULATION:

Floor insulation:

Thickness = 60mm U=0.54 W/m² K

Roof insulation:

Thickness = 100 mm U = 0.37 W/m² K

External wall insulation:

Thickness = 4/16/4 mm U = 2.40 W/m² K

Gas filled window:

(Optional)

Thickness = 4/16/4 mm U = 1.10 W/m³ K

SOUND INSULATION:

33 - 44 db (according to ISO L40/V)

LOAD BEARING:

CAPACITY:

(Single container)

Floor:

Max. Load capacity: 2.0 kN/m² (Working load)

Max. Load load: 2.5 kN/m²

Roof:

Max. Load capacity: 1.0 kN/m² (Snow load)

Max. Total load: 1.5 kN/m²

WIND RESISTANCE:

Multi stacked cabins or cabins which are exposed to strong winds must be secured adequately (for example with stacking cones, steel cables etc.)

ASSEMBLY / ERECTION:

The individual cabins can be assembled either by side, back to back or one on top of each other.

A single cabin must be put on either 6 wooden or concrete foundation points. The cabins can also be positioned on concrete strips or concrete slabs.

Foundation parameters and frost depths have to be adapted to local soil and ground conditions.

Assembly and a perfect standing of the whole building.

In consideration of the static requirements the cabins can be stacked and used 3 - high (in a block)



HANDLING:

With fork lift

With crane: angle between rope and horizontal line at least 60°

Due to construction and design, handling with spreader is not allowed.

QUALITY CONTROL:

Germanischer Lloyd', , tested ' ' for the 20ft office cabin with internal height of 2,340mm

PAINT:

Physically drying, solvent containing lacquer with high weather and ageing resistance.

Resistant against chemicals (Industrial atmosphere)

Continuously elastic, for ferrous and - ferrous metal surfaces.

Floor -

70Um Primer (Corrosion protection)

Roof:

Topcoat in RAL Colour

Panels (Galvanized): 30 - 40 Um Primer

20 - 40 Um topcoat

Wall panels with:

25 Um paint thickness for standard RAL Colours

Surface coating: (RAL 5010 / 9010)

Frame:

30 - 60 Um primer

30 - 40 Um topcoat

We do not give any warranty for the production caused colour deviations.

The buyer is responsible to ensure that magisterial and legal requirements concerning storage, assembly and use of the cabin are met.

Subject to technical alterations.

