



Mobile ATC Tower

NT 1.6





Basing on operational experiences and following specific client requirements BAN 2000 has developed and manufactured the Mobile ATC Tower NT 1.6 in cooperation with other partner companies and using a new technology.



Its basic construction consists of a completely new, corrosion proof, extremely solid and also very light material. The glass fibre reinforced, resistant compound material and the complete air conditioning do allow use of this ATC Tower also under extreme climatic conditions and difficult local circumstances. High fire resistance as well as electromagnetic transparency are only two further important criteria when it comes to special applications of Mobile ATC Towers.



The Mobile ATC Tower NT 1.6 has been manufactured according to the size of a 20-foot-container which allows transportation without problems by both sea and land as well as a great variety in combining it with different types of chassis, lifting mechanisms and other container and room building components.



Due to its low weight of 1.6 t the Mobile ATC Tower NT 1.6 may be transported also by helicopters (e.g. MI 17) or transporting airplanes (e.g. C 130, IL 76 or A 4XX).





Technical data

External size:

L.	6.055 mm
B.	2.435 mm
H.	2.590 mm



Weight: **1,6 t**

Air condition: **Split device with heat pump**
3,8 kW cooling power
4,5 kW heating performance



Floor space: **ca. 14 m²**

Visibility conditions: **Horizontal 360°**
Vertical 80°





The all round glazing of the Mobile ATC Tower NT 1.6 guarantees all round horizontal view. Vertical angle of view has been improved considerably by partial glazing of the ceiling area.



Air traffic management and meteorological equipment, installation of high-brightness radar displays as well as voice communication and recording equipment shall be made according to the specific requirements of clients.

Integrated working positions each with two 19" / 9 UH frames for installation of ATM and meteorological equipment, as well as for installation of high brightness radar displays and voice communication and recording equipment.





Military Version

The NT 1.6 is excellently suitable for military uses because of its mobility.

Any equipment is arranged individually e.g. with:

- ***Radio and PC operating positions***
- ***Satellite system, telephones***
- ***Transmission displays***
- ***Air-conditioner, generating set***



The mobile ATC tower is height-adjustable until about 5m.

An extendible telescope aerial mast with lifting mechanism can be mounted on the tower or separately on a single-axle trailer.



Product information HeliPanV®

Panels made from HeliPanV® are combining robustness and enormous weight reduction.

Mobile towers from BAN 2000 from HeliPanV® panel systems

Minimization of natural weight for mobile systems is reaching completely new dimensions due to this panel system: Weight reduction and reliable stability as well as improved utilization properties and increase of damage resistance thus reduction of the related repair costs.

This new material, a honeycomb nucleus panel structure made from polypropylene with glass-fibre reinforced covering layer combines several unequalled advantages:

- extremely low weight of 4,5kg/sqm and standard thickness of 30mm, thus improvement of weight balance with regard to other material up to 70%.***



- ***HeliPanV® doesn't break nor splinter. The stroke-tough and load distributing covering layer completes the elastic nucleus material and contributes to excellent robustness of the system.***
- ***Thermal forming along all three dimensions, welding, resistance to pressure 3,1 N/mm².***
- ***Already during the manufacturing process the RAL colour can be adjusted, thus no additional painting costs will arise.***
- ***Due to unequalled colourability of the panel system its surface properties are also being improved. No lacquer rebound, any kind of gluing is possible on the surface which is not possible with other polypropylene materials.***





- ***A special technological procedure also allows colour treatment of the surface in each required tint.***
- ***HeliPanV[®] panel material is vapour-diffusion-proof, thus moisture-carrying even in case of material damages is not possible; welded sealing and fusing together of the covering layers is permanent. There will not appear gluing problems like the usual delamination of other systems during their service life.***
- ***HeliPanV[®] systems may be used under temperature conditions from -40 to +80°C; maximum anticorrosive.***
- ***HeliPanV[®] is fully recyclable at the end of its long-life service period.***



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