

VFR system for ATC / Model:CVA-14 COMPACT TOWER



CVA(VFR system) as Compact Control Tower
Demand of airports increases and Air traffic is also increasing. A communication system is Mandatory for safety landing/taking off of airplane.

CVA is economical and is suitable to the local airports, where ground to air communication is not available due to budgetary reason, damages etc.

CVA(VFR system) as Emergency Control Tower
It is necessary to recover Air traffic control capability quickly in case of a damage by Natural disaster, unexpected situation (Tsunami, Fire, Terrorism) etc. under current congested flight schedule and airspace.



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FEATURES

● Essential functions in main cabin

Essential & minimum functions are available for communication and operation. Desired other functions are optionally & additionally available

● Transportability

CVA can be transported by Truck, Trailer, Vessel Aircraft (C-130 or equivalent), Helicopter (CH-47 or equivalent)

● Mobility & quick deployment:

CVA can be easily moved and quickly deployed by small number of staff in an emergency. It also can be deployed without a crane truck excluding loading/unloading on ship. Each module is equipped with towing apparatus for easy transfer. Control shelter elevating module can be towed keeping main cabin on 2axle trailer

● Comfortable Space for smooth operation

CVA modules have adequate spaces and settings for smooth and efficient operations and maintenances. Screws and handles on desks has treatment of rust-proofing.

● Customization

Power shelter, communication shelter, Communication equipment, Weather observation sensors, Radar Display etc. is additionally available

● Robust Structure

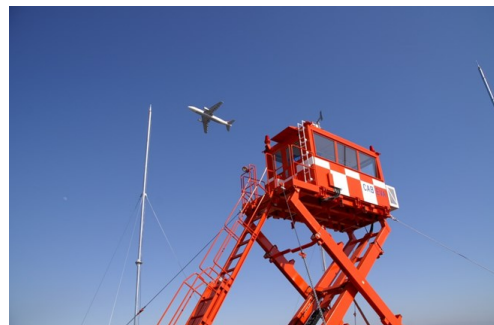
- Wind resistance Design: 60m/s Instantaneous
- Snow accumulation resistance design: 0.5m
- Anticorrosion: hot-dip galvanizing
- Water proof for Shelter & Lift: Conformity to JIS Z 1618 for International Container rule

● Earthquake resistant structure

- It prepares for earthquake:2.0G Max (Shindo Level 5)
- Seismic intensity meter is optionally equipped

● Japanese Quality

- Accepted by JCAB (Japan Civil Aviation Bureau)
- Long term operation is available without maintenance
*for Electric items.
- Safety Ladder



CVA consists of CONTROL SHELTER (Main Cabin+2axle trailer with elevating module).
COMMUNICATION SHELTER and POWER SUPPLY SHELTER are optionally available.

(1) Control shelter module



Control shelter module has the control room function of air traffic control and ground-to-air communication in emergency.



(3) Power supply shelter module

Power supply shelter module generates necessary electric power for CVA, and supplies electricity to other modules.

(4) Communicative shelter module

Communication shelter module administrates all necessary communication and data transmission for the system with the following functions:

- VHF/UHF Radio communication function
- Recording function of all data and communications conducted at all control tables.
- Telecommunication control and transmission function for all communication signals from/to other devices and systems connected.

(2) Control shelter elevating module



This elevating module can lift control shelter module between 1.5m to 6.0m high. It can move and/or park keeping main cabin on Trailer.



**(5) Touch panel type control table
(In control shelter module)**

Telecommunication with airplanes as well as relevant authorities.

 **Precautions**

It is our policy to constantly improve the design and specifications. Accordingly, the details presented herein shall not be regarded as final and binding.

The specifications this catalog are current as of September, 2018.

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