

# MOBILE AIR TRAFFIC CONTROL TOWER (MATCT)



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Having rapid deployment and set-up features due to its high mobility, has all **communication and ATC capabilities of conventional fixed towers**. The system has been manufactured in Turkey by **TIMSAN** as the first unit for the requirement of **Turkish Air Force Command**. **MATCT** consists of the following main parts:

- a **cabin** housing Air Traffic Control and Communication equipment,
- a **platform** raising the cabin hydraulically upto 5 meters above ground,
- a powerful **truck** carrying the platform and the cabin,
- a transportable **power generator**.

The system is **AIR transportable** by helicopters and cargo aircrafts (**C-130**) and **Land transportable** by the truck. In order to enable the truck to enter C-130 aircraft, the driver cabin of the truck is modified as to lean 90°. **MATCT** cabin can be raised or lowered via the engine power of the truck or the power generator and controlled either from the panel on the truck or from the panel in the cabin. When raised, the cabin is fixed by four steel wire ropes in order to increase the resistance against wind.

**MATCT** can operate on 24 hour-a-day basis since power is supplied from **mains** and automatic **standby generator** and **UPS**. The body of the cabin is made of double aluminium insulated cab walls, the windows are tempered double glass and the body is painted with anti IR non reflective paint. The windows are inclined 15° in order to prevent the light reflection and to increase visibility.

**MATCT** has efficient grounding system and obstruction light for air traffic safety. The cabin has double air conditioning units for heating and ventilation purposes.

**MATCT** cabin is suitable to equipped with **VCCS** with three operator positions, **UHF HQ** radios, Voice logging system, Meteorological monitoring system, **GPS** system. **TACAN/** Those subsystems according customer demand can be provided by our company.

### Technical Characteristics:

UPS	: 6kVA
A/C	: Double Unit Cooling capacity : 26.600Btu Heating capacity : 27.000Btu
Generator	: 63kVA with automatic switch-over system
Truck	: Customer's selection
Dimensions	: length width height
Interior cabin	: 4370 2290 2000
Outside of cabin	: 6050 2850 2.660
Overall, truck mounted :	8250 2850 3.900

SYSTEM NATO STOCK NUMBER: OMMK001

TECHNICAL CHARACTERISTICS AND DIMENSIONS OF THE SYSTEM CAN BE DESIGNED IN ACCORDANCE WITH THE CUSTOMER'S REQUESTS



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