

STS Skid Mounted Tower 35 feet (10.67 meters)

Description

The STS-SMT (Small Tower Series-Skid Mounted Tower) is our most basic tower in the Small Tower Series. All STS towers are built up from this core module. The STS-SMT tower rises from a stowed height of 45 inches (1.14 meters) to a height of 35 feet (10.67 meters) in 2 minutes or less. The tower is supported by a very robust, skid frame allowing the tower unit to be unguyed in many applications. The tower must be secured to an appropriately designed mounting pad or vehicle by the customer to ensure the tower's stability when raised. Options are available to customize your tower for the needs of the end-user.

STS-Skid Mounted Tower Specifications

The Tower

- Height:** Maximum tower height is 35 feet (10.67 meters) from a stowed height of 45 inches (1.14 meters). The tower can be stopped and utilized at any point between its stowed and maximum height limits.
- Payload:** Tower payload capacity is 250 pounds (113.4 kg)
- Construction:** The tower is constructed of steel sheet-metal panels, treated with a rust inhibitor process with hinged cast steel end caps. The tower sections are held together by steel pinned joints with integrated locks. Key tower technologies are protected by patents.
- A standardized tower top mounting bracket is provided for attachment of customer's equipment to the tower top. Optional custom brackets are also available.
- Rate of height increase:** From a stowed unit height of approximately 45 inches (1.14 meters) the tower will self-erect to a height of 35 feet (10.67 meters) in approximately 2 minutes "at the push of a button".



Drive: AC or DC electric motor with brake is rated for severe conditions. No active power is required once the tower is secured and raised.

Emergency Crank Down: The tower can be manually raised or lowered in the event of a power or equipment malfunction.

Power Source: An AC or DC electrical power source is required only when raising or lowering the tower. This can be a customer supplied power source or one of many available Tower Solutions' power options.

Enclosures: All electrical controls are enclosed in drip proof enclosures. Optional safety enclosures for exposed rotating tower components are available, if required.

Tower Control System: The tower is controlled by UP and DOWN buttons located on the tower's electrical control box.

General Features

Color: The unit is tan in color and the tower is black treated steel. Standard instructional, safety and operating informational decals are applied to the unit for operator safety.

Overall Size: Approximately 67 inches (1.70 meters) wide x 67 inches (1.70 meters) long x 45 inches (1.14 meters) high. Total approximate weight (less customer payload) is 1,000 pounds (453.6 kg).

Options

Options are available to meet specific customer requirements.