

MAG - Utility Series

The Utility Series delivers a cost effective mobile tower solution that combines an enclosed cargo trailer with an aluminum tower. When deployed in the field, the Utility Series is an effective source for the storage of equipment and power systems in addition to providing tower heights reaching up to 100'.

A self-contained light-duty mobile tower platform designed to accommodate a wide variety of uses. The MAG-Utility Series is a general use mobile tower platform that can be customized to include optional power systems, equipment racks and a HVAC system.

The foundation of the Utility Series platform is the 16' long by 7' wide enclosed cargo trailer. The trailer comes standard with double rear doors and a single side door for curb side access. Additionally, there are four adjustable outriggers with stabilizing jacks mounted at the front (2) and rear (2) of the trailer to provide added stability while the tower is deployed. The outriggers are capable of being extended outward up to six feet on both sides of the trailer. This creates a footprint that is 20' wide and 17' long for the physical deployment of the unit. The actual guy cable footprint will vary depending upon the height at which the tower is deployed.

The key to this flexible platform is the aluminum tower that is mounted on it. Being significantly lighter than a comparable steel tower, this reduction in the overall weight loading of the platform ensures that there is enough capacity for other equipment. The Utility Series mobile tower product line supports the nominal heights of 45'/60'/85'/100' making the overall platform capable of delivering a wide range of communications. The Utility Series is an excellent multi-purpose platform to operate for site surveys that require the storage of equipment.



Portable enough to be towed by a Suburban Class vehicle, the Utility Series mobile tower is easily transported to remote sites. Sporting a maximum Gross Vehicle Weight (GVW) of only 7,000 pounds, a standard Class "C" drivers license is all that is required to tow the unit.

Once on-site, equipment and antennas can easily be mounted to the tower while in either the horizontal transportation mode position or the vertical deployment mode position. The Utility Series tower then can be deployed by a single person in less than twenty minutes to its maximum operational height using the on-board electric winch. If there is no AC power source available, an optional upgrade to a 12 VDC winch and rechargeable battery package can be installed to operate the tower for deployment.

The Utility Series has many additional options available to further customize the platform to fit your application requirements. Options such as fixed exterior lighting or extendable pole mounted lights are available to help illuminate your work area at night.

The Utility Series light-duty mobile tower platform is the newest member of the Mobile Application Gateway (MAG) family of mobile tower products. Contact TowerWorx directly for more information on the Utility Series :

Email: sales@towerworx.net

Phone: (866) 677-5959



MAG - Utility Series Specifications

Tower Specifications	MAG-US45	MAG-US60	MAG-US85	MAG-US100
Aluminum Tower Sections	3	4	5	6
Main Winch Gear Reducer - Direct Drive	Y	Y	Y	Y
Main Winch Electric Motor	1 HP	1 HP	1 HP	1 HP
Tilt Winch Electric Motor	3/4 HP	3/4 HP	3/4 HP	3/4 HP
Tower Minimum Operational Height	19' / 5.7m	20' / 6m	27' / 8.2m	29' / 8.8m
Tower Power Requirements	110v / 60Hz **	110v / 60Hz **	110v / 60Hz **	110v / 60Hz **
Galvanized Guy Cables	Y	Y	Y	Y
Maximum Lifting Capacity	125 lbs / 56.6 kg	125 lbs / 56.6 kg	125 lbs / 56.6 kg	125 lbs / 56.6 kg
Maximum Wind Loading (*Off the Shelf)	80 Mph / 128 kph	80 Mph / 128 kph	80 Mph / 128 kph	80 Mph / 128 kph
Guying To Earth	Required	Required	Required	Required
Operational Setup Time	20 Minutes	20 Minutes	30 Minutes	30 Minutes
Integrated Steel Frame Tower Base	Y	Y	Y	Y
Trailer Specifications				
Overall Trailer Length	15' 6" / 4.7m	15' 6" / 4.7m	15' 6" / 4.7m	15' 6" / 4.7m
Overall Trailer Width	7' 8" / 2.2m	7' 8" / 2.2m	7' 8" / 2.2m	7' 8" / 2.2m
Overall Tower & Trailer Length - Transportation Mode	17' 6" / 5.3m	17' 6" / 5.3m	17' 6" / 5.3m	17' 6" / 5.3m
Trailer Height - Transportation Mode	9' 2" / 2.8m	9' 2" / 2.8m	9' 2" / 2.8m	9' 2" / 2.8m
Interior Dimensions	12' 3" l x 5'9" w x 6' h 3.7m l x 1.7m w x 1.8m h	12' 3" l x 5'9" w x 6' h 3.7m l x 1.7m w x 1.8m h	12' 3" l x 5'9" w x 6' h 3.7m l x 1.7m w x 1.8m h	12' 3" l x 5'9" w x 6' h 3.7m l x 1.7m w x 1.8m h
Dual Axle Suspension	3,500 lbs / 1,587kg	3,500 lbs / 1,587kg	3,500 lbs / 1,587kg	3,500 lbs / 1,587kg
Gross Trailer Weight	7,000 lbs / 3,175 kg	7,000 lbs / 3,175 kg	7,000 lbs / 3,175 kg	7,000 lbs / 3,175 kg
Payload Capacity	5,800 lbs / 2,630 kg	5,800 lbs / 2,630 kg	5,800 lbs / 2,630 kg	5,800 lbs / 2,630 kg
Electric Breaks per Axle	2 Per Axle	2 Per Axle	2 Per Axle	2 Per Axle
6' Stabilizing Out Riggers w/ 7,000# Jacks	4	4	4	4
Rear Door Dimensions	5' 6" h x 5' 7" w 1.6m h x 1.7m w	5' 6" h x 5' 7" w 1.6m h x 1.7m w	5' 6" h x 5' 7" w 1.6m h x 1.7m w	5' 6" h x 5' 7" w 1.6m h x 1.7m w
Ball Hitch Size	2 5/16"	2 5/16"	2 5/16"	2 5/16"
DOT Lighting/ Safety Chains w/Hooks & Break Away Kit	Y	Y	Y	Y
7 Pin/ 12V RV Trailer Plug	1	1	1	1

*Maximum Wind Loading - The standard tower design includes an engineering calculation for a maximum wind load of gusts up to 80 MPH/128kph. Your local ordinances/laws may require a higher rating.

**Tower Power Requirements - Our electric motors are not switcheable between 110v and 220v; if 220v is required please note this when ordering.

All MAG-Utility Series trailers meet D.O.T Standards and Requirements for lighting & safety.

All tower are designed using RISA Tower Analysis and Design software to accommodate for full wind loading and structure design. All cabling used to raise, lower and guy our towers is Air Craft Quality cable. The strength required for each application is determined using the TIA/EIA-222G specification.