

IT SERIES: MODELS ~ IT-106/27, IT-89/27, IT-72/27 & IT-55/27

- » **$\pm 106'$ (33m), $\pm 89'$ (27m), $\pm 72'$ (22m) & $\pm 55'$ (17m) Self-Supporting & Guy Capable Tower Elevations**
- » **Fully Automated, Direct Drive Tower Operating System; No Belts, No Chains, No Guy Wires Required**
- » **$\pm 550\text{lb}/250\text{kg}$ to $\pm 650\text{lb}/295\text{kg}$ Standard & Upgraded Tower Load Capacity; 120-220VAC/60-50Hz Configurations**
- » **Greatest Self-Supporting and Guyed Wind/Payload Capacity of Any Comparable Tower System**
- » **Extra-Heavy Duty, Primary Road Drawbar Trailer; $\pm 14'0''$ L x $8'0''$ W x $6'6''$ H Equipment Payload Area**
- » **Standard 18,000lb/8,163kg Capacity Trailer GVWR; To $\pm 5,500\text{lb}/2,494\text{kg}$ Equipment Capacity**



Model Series Summary:

Each specific model designates an extra heavy-duty, primary road configured trailer and integrated tower system designed to transport and support at site a payload to $\pm 5,500\text{lbs}/2,494\text{kg}$ of *ITS* and/or customer-supplied equipment. As designed, the trailer's skeletal frame is engineered with a minimum factor of safety of 2:1, with 4:1 in critical load areas. A multi-section $\sim 21'0''/6.4\text{m}$ each, lattice steel telescopic structure is designed to transport horizontally over the trailer's single-level platform and automatically tilt by means of a heavy-duty, chrome plated hydraulic cylinder. The tower system is raised to its full extension utilizing a direct drive, minimum 1HP, totally enclosed fan cooled (TEFC), wash-down rated electric winch motor and gearbox assembly. **Each Portable Tower System model is capable of being deployed, elevated to its full-extended height, and secured by a mechanical tower lock mechanism by one person in under 30 minutes.** For added security and stability during poor weather conditions, excessive loading, long-term deployment, or to minimize structure deflection for critical applications, this *self-supporting* tower may be further protected by the use of an optional guy cable and ground anchor system.

IT Series Trailer: 18,000lb/8,163kg Capacity GVWR

- GVWR 18,000lbs/8,163kgs; 8,000lbs/3,628kgs GAWR
- W8@21 Main Frames and C5@6.7 Perimeter Steel
- Tandem 8,000lb/3,628kg Axles; 16,000lb/7,256kg Capacity
- To $\pm 5,500\text{lbs}/2,494\text{kg}$ Trailer Deck Payload Capacity
- $\pm 11'8''$ Transport Height; $\pm 30'6''$ Transport Length
- Trailer Dimensions: $\pm 26'6''$ L x $8'0''$ W, 1-Level Platform
- 1/8" Steel Diamond Plate Operating Platforms; Welded
- 2-5/16" Ball Coupler or NATO Pintle Tow Device
- Electric or Hydraulic Brakes; LT235/85R16 LRG Tires
- Client Equipment Area: $\pm 14'0''$ L x $8'0''$ W x $6'6''$ H
- $\pm 25''$ Loaded Deck Height; $\pm 18'0''$ Platform & $8'6''$ Drawbar
- Emergency Break-Away Device; SAE Universal Truck Plug
- 15,000 lb/6,803kg Static Capacity Landing Gear and Outrigger Jacks
- Four (4) Heavy-Duty Retractable and Locking Stabilizing Outriggers
- Full Sized Spare Tire with 16" 8-Hole Wheel; Sub-Trailer Carriage
- All-Weather Sealed Modular Wiring and LED Lighting Package
- Locking Storage Box, Jack Transport Mount, Teardrop Fenders
- DOT Safety Decals; Reflectors; Multiple Perimeter Bubble Levels
- *ITS* Black Painted Structure with Impact/Weather Resistant Coating
- Grounding Lugs; Lashing Rings; Wheel Chocks and DOT Cones

Standard *ITS* "B" Series Tower: Elevations ~ $\pm 106'$ (33m), 89' (27m), 72' (22m) & 55' (17m)

- Self-Supporting and Guy Capable Steel Tower Structures
- To $\pm 550\text{lb}/250\text{kg}$ - $650\text{lb}/295\text{kg}$ Lift and Tilt Capacity
- Full Automation; Multiple Limit Switch Controls
- From (3) to (6) $21'0''/6.4\text{m}$ Each, Galvanized Sections
- $\frac{1}{4}''$ & $5/16''$ 7x19 Aircraft Quality Galv or Stainless Cables
- Electronic Safety & Motor Protection Features
- Solid State Control Circuitry; Locking NEMA Enclosure
- Min. 1HP TEFC Motor/Gearbox Assembly; Weather Rated
- Hydraulic Tilt Assembly with Integrated Safety Features
- Heavy-Duty Galvanized Tower Base Support Structure
- Direct Drive Telescopic Winch/Motor Assembly ~ No Belts/Chains
- Two (2) to Five (5) Coax/Cable Rings; Min. $15'0''/4.6\text{m}$ Power Cable
- Positive Pull Down and Redundant Tower Cabling Systems
- 120VAC/60Hz and 220VAC/60-50Hz Power Configurations Offered
- Extended Tower Locking Mechanism; Tower Transport Locks
- Optional 3-Arm Antenna, Camera and/or Pan/Tilt Mounts
- Optional Multi-level Guy Kit, Anchor and Torque Arm Assemblies
- Optional Lightning Protection and Grounding Packages
- Optional Aviation Obstruction Lighting; Halogen Work Lights
- Power Generation, Climate Controlled Electronics Cabinets & More