

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

- » **+106' (33m), +89' (27m), +72' (22m) & +55' (17m) Self-Supporting & Guy Capable Tower Elevations**
- » **Fully Automated, Direct Drive Tower Operating System; No Belts, No Chains, No Guy Wires Required**
- » **+550 lb (250kg) to +650lb (295kg) 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; ±14'0" (4.3m)L x 8'0" (2.44m)W x 6'6" (2m)H Deck Top Payload Area**
- » **Standard 18,000lb (8,163kg) Capacity Trailer GVWR; To ±5,500lb (2,494kg) Equipment Capacity**



Model Series Summary:

Each specific model designates an extra heavy-duty, multi-purpose custom trailer and integrated tower system designed to transport and support at site a payload to ±5,500lbs (2,494kg) 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 ~ 21'0" (6.4m) 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 structure 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 18,000lb (8,163kg); 8,000lb (3,628kg) GAWR
- W8@21 Main Frames and C5@6.7 Perimeter Steel
- Dual 8,000lb (3,628kg) Axles; 16,000lb (7,256kg) Capacity
- To ±5,500lbs (2,494kg) Trailer Deck Payload Capacity
- ±11'8" (3.6m) Height; ±30'6" (9.3m) Transport Length
- Trailer Dims: ±26'6" (8m)L x 8'0" (2.44m)W, Single Level
- 1/8" (.32cm) Steel Plate Platforms; Welded Construction
- 2-5/16" (7.1cm) Ball Coupler or NATO Pintle Tow Device
- Electric or Hydraulic Brakes; LT235/85R16 LRG Tires
- Equipment Area: ±14' (4.3m)L x 8' (2.44m)W x 6'6" (2m)H
- ±25" (64cm) Platform Height, ±18' (5.5m)L & 8'6" (2.6m)L Drawbar
- Emergency Break-Away Device; ICC/DOT, LED Lighting Package
- 12,000lb (5,442kg) Static Capacity Landing Gear and Outrigger Jacks
- Four (4) Heavy-Duty Retractable and Locking Stabilizing Outriggers
- Full Sized Spare Tire w/16" (41cm) 8-Hole Wheel; Sub-Trailer Mount
- 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
- Black Painted Structure w/ Impact/Weather Resistant Polyuria Coating
- Grounding Lugs; Lashing Rings; Wheel Chocks and DOT Cones

Standard ITS "B" Series Tower: Elevations ~ ±106'0" (33m), 89'0" (27m), 72'0" (22m) & 55'0" (17m)

- Self-Supporting and Guy Capable Steel Tower Structures
- ±550lb (250kg) - 650lb (295kg) Lift and Tilt Capacity
- Multiple Limit Switch Controls: Erection & Retraction
- From (3) to (6) 21'0" (6.4m) Each, Galvanized Sections
- 1/4" (6.35mm) & 5/16" (7.95mm) Aircraft Quality Cables
- Electronic Safety & Motor Protection Features
- Solid State Control Circuitry; Locking NEMA Enclosure
- Min. 1HP Motor/Gearbox Assembly; All 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" (4.6m) Power Cable
- Positive Pull Down and Redundant Tower Cabling Systems
- 120VAC/60Hz and 220VAC/60-50Hz Power Configurations Offered
- Mechanical Tower Locking Mechanism; Tower Transport Locks
- Optional 3-Arm "T"-Bar Style 120° Antenna Mount Assembly
- Optional Multi-level/3-point Guy Cable and Ground Anchor Kit
- Optional Lightning Protection and Grounding Packages
- Optional Aviation Obstruction Light with UV Protected Cord
- Optional Stainless Steel Cables; Enhanced Corrosion Resistance

ITS ~ IT Series

