

## **SR SERIES: MODELS ~ SR-106, SR-89, SR-72 & SR-55**

- »  **$\pm 106'$  (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**
- »  **$\pm 550$  lb (250kg) to  $\pm 650$ lb (295kg) Standard & Upgraded Tower Load Capacity; 120-220VAC/60-50Hz Configurations**
- » **Greatest Self-Supporting and Guyed Wind/Payload Capacity of Any Comparable Tower System**
- » **Multi-Terrain, Custom Drawbar Trailer;  $\pm 9'0''$ L x  $8'0''$ W (2.74m x 2.44m)  $4'6''$ - $6'6''$ H (1.4m x 2m) Equipment Payload Area**
- » **Standard 15,000 lb/6,803kg Capacity Trailer GVWR; to  $\pm 4,500$ lb (2,041kg) Trailer Payload Equipment Capacity**



### **Model Series Summary:**

Each specific model designates a heavy-duty, multi-terrain custom trailer and integrated tower system designed to transport and support at site a payload to  $\pm 4,500$ lbs (2,041kg) 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  $\sim 21'0''$  (6.4m) each, lattice steel telescopic structure is designed to transport horizontally over the trailer's two-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.

### **SR Series Trailer: 15,000lb (6,803kg) Capacity GVWR**

- GVWR 15,000lbs (6,803kg); 6,840lb (3,102kg) GAWR
- C8@11.5 Main Frames/Drawbar & C6@8.2 Perimeter Steel
- Dual 7,000lb (3,175kg) Axles; 14,000lb (6,349kg) Capacity
- To  $\pm 4,500$ lb (2,041kg) Trailer Deck Payload Capacity
- $\pm 10'6''$  (3.23m) Transport Height;  $\pm 30'6''$  (9.33m) Length
- Trailer Dims:  $\pm 23'$  (7m)L x  $8'$  (2.44m)W, 2-Level Platform
- $1/8''$  (.32cm) Steel Plate Platforms; Welded Construction
- 2-5/16" (7.1cm) Ball Coupler or NATO Pintle Tow Device
- Electric or Hydraulic Brakes; Four ST235/80R16LRE Tires
- Client Equipment Area:  $\pm 9'0''$  (2.7m)L x  $8'0''$  (2.44m)W
- $\pm 34''$  (.86cm) Loaded Rear Deck Height;  $\pm 26''$  (66cm) Drawbar Platform
- 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 with 16" (41cm) 8-Hole Wheel; Sub-Trailer Mount
- Arctic/Desert, Sealed Modular Wire Harness Package; Extreme Rated
- Locking Storage Box, Jack Transport Mount, Sand/Marsh Jack Shoes
- DOT Safety Decals; Reflectors; Multiple Perimeter Bubble Levels
- Black Painted Structure w/ Impact/Weather Resistant Polyuria Coating
- Grounding Lugs; Lashing Rings; SAE Universal Truck Plug

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

- Self-Supporting and Guy Capable Steel Tower Structures
- $\pm 550$ lb (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  $120^\circ$  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 ~ SR Series

