

# LMS 165 CR CONTAINER READY MOBILE TOWER

## 165' Lattice Tower

- 165' tall with 7 ea section legs ASTM A500-07, A53-12, grade B, U.S. carbon steel. *Lifetime Warranty*
- Tilt base assembly integrated into the trailer. *Lifetime Warranty*
- 3 sector antenna mount, custom mount designs also available
- 5' Star mount for large microwave dish placement with torque arm *Lifetime Warranty*
- 2 ea torsion rods. *Lifetime Warranty.*
- 16 ea ½" x 4" stiffener plates *Lifetime Warranty.*
- Tower and tilt assembly painted finish for all-weather
- 900:1 and 446:1 adjustable worm drive motor
- Tilted to vertical by 2 ea 3.5" heavy-duty hydraulic cylinders. *Lifetime Warranty*
- Hydraulic tilt has a manual backup hand pump
- Tower elevated by 2.5HP, wash downrated, direct-drive stainless shaft winch motor, and hydraulic gearbox assembly.
- 1 minute from horizontal to vertical with 2,000Lb customer's head load.
- 40 minutes to full erection
- 110VAC 60HZ or optional 240VAC 50HZ
- 8 ea. cable guide rings *Lifetime Warranty*
- Patented Delrin mast guide blocks
- Galvanized heavy-duty lifting and pull-down drums
- All cables have been marinated in LPS3 for anti-corrosion
- 4", 5" and 6" galvanized steel smart custom bearings fitted pulleys also marinated in LPS3
- All Eco-Guard (TM) eco coated grade 9 bolts
- All units are designed to withstand-120/ 160 degrees Fahrenheit

## Tower Safety Features

- Backup emergency key operation
- 3 ea. heavy duty upper and lower limit switches.
- Weatherproof (locking) control panel with ingress protection IP65
- 2 ea. switches for total deployment control
- 2 ea. illuminated function lamps for tilting and telescopic.
- 1 ea. red keyed power disconnect for all function controls
- Theft proof cable storage reel with grease nipple. *Lifetime Warranty*
- Galvanized safety end caps covering rotatable components
- 25' full operation remote control cable option

## Tower Trailer

- Structural outriggers. *Lifetime Warranty*
- Diamond plate, 11 gauge deck
- Electrical components bonded to frame for system grounding
- All steel construction 10" wide beam construction, no aluminum
- 11 hold adjustable hitch coupler channel. *Lifetime Warranty*
- Removable 2 5/16" ball hitch and pintle included.
- Optional 5th wheel and gooseneck
- 7 blade type connectors

- 12,000Lb side pull spring-loaded tongue jack
- Two-hole 1/0 ground lugs (2 Ea)
- Heavy-duty safety chains (2 Ea)
- Tube ground rod attach points welded to outriggers (4 Ea) also
- Ground rod storage tube built-in trailer deck, green cap (1Ea)
- Adjustable 12,000Lb locking jacks w/ padlock provided (6 Ea)
- Galvanized 2' x 2' outrigger jack pads (6 Ea)
- Slide outriggers with needle bearing for easy pull-out. (6 Ea)
- Tamper-proof locking outrigger jacks. (6 Ea)
- Bubble type trailer level guides (6 Ea)
- 8,000Lb axles each electric brake (3 Ea)
- Torsion axle independent suspension
- 7 ea 16 ply 215-75-17.5 radial tires
- 7 ea 17.50 powder-coated solid steel wheels. *Lifetime Warranty*
- Mud-flaps
- 12 position guy kit
- Unguided footprint the same as the outrigger footprint
- Outrigger stabilizer kit

### Trailer Safety Features

- 1/4" Line-X sprayed on full deck and front of the trailer for anti-slip.
- Anti-theft removable tongue. *Lifetime Warranty*
- Emergency trailer break-away device
- Full-size spare under deck
- All-weather padlocks and hide-a-key
- 6 sets wheel loose nut indicators
- 1 ea trailer step-up, with 1 ea step handrail
- Flashing emergency lights
- DOT and transport Canada LED lighting package and reflective tape.
- 36" steel locking aluminum powder coated black diamond plate toolbox secured
- Decks water-fall sides add 400% to strength Vs. flat steel welded to rail. *Lifetime Warranty*

### Additional Features

- Equipped with lifting hooks in all four corners for a helicopter lift
- Removable tongue for transport and anti-theft.
- Comprehensive operations manual
- Best warranty in the industry and *Lifetime Warranty*
- 24-hour support also
- High wind all-terrain off-road applications
- Can be pulled with a standard 3/4 ton truck
- Build for rough inaccessible terrain applications
- Engineered and designed to meet the rigor demand of all military environmental

### A Few Options

- Lock-out kit for climber safety
- Safety climb, for climber safety
- Lighting protection

## FAA Lighting

- Extra reels
- Slide-out
- Safety rails
- Pan adapter
- Starr mount
- Grounding kit
- Tower covers also
- Generators also
- Fuel tanks
- Fuel pumps
- Lighting protection kit
- Hydraulic tilt backup hand pump

## LMS 165 CR WEIGHTS AND DIMENSIONS

- 14,800 Lbs shipping weight
- 24000 Lbs GVWR
- 9200 Lbs trailer useful load
- 39.5' Long, total unit
- 7' 2" Tall, horizontal nesting
- 7' 7" Wide trailer
- 36' Tower retracted minimum height
- 30' Deck

