



LMS 65 HW MODEL MOBILE TOWER

- 65' TALL, 4 EA SECTION LEGS ASTM A500-07, A53-12, GRADE B, US CARBON STEEL *Lifetime Warranty*
- TILT BASE ASSEMBLY INTEGRATED INTO TRAILER. *Lifetime Warranty*
- 3 SECTOR ANTENNA MOUNT / CUSTOM MOUNT DESIGNS AVAILABLE
- 5' STARR MOUNT FOR LARGE MICROWAVE DISH PLACEMENT **OPTIONAL** *Lifetime Warranty.*
- TOWER AND TILT ASSEMBLY PAINTED FINISH FOR ALL WEATHER
- 900:1 AND 446:1 ADJUSTABLE WORM DRIVE ALLOWING TOWER TO BE SAFELY DEPLOYED AT ANY HEIGHT
- CLIMBABLE MAN-RATED TOWER WHEN EQUIPPED WITH **OPTIONAL** SAFETY CLIMB, LOCK-OUTS ALSO AVAILABLE
- BACK-UP KEY FOR OPERATING TOWER ALLOWING TOWER TO BE RAISED OR LOWERED WITH LOAD MANUALLY OR WITH CORDLESS DRILL, CLIENT'S OPTION.
- TILTED FROM HORIZONTAL TO VERTICAL WITH WINCH AND 3/8 CABLE
- 1 MINUTE FROM HORIZONTAL TO VERTICAL WITH 950LB CUSTOMERS HEAD LOAD
- 11 MINUTE SINGLE STAGE FULL TOWER ERECTION WITH 950LB LIFT
- 3 EA HEAVY DUTY UPPER AND LOWER LIMIT SWITCHES
- INGRESS PROTECTION IP65, WEATHERPROOF (LOCKING) CONTROL PANEL
- 25' FULL OPERATION REMOTE CONTROL CABLE **OPTIONAL**
- 110VAC 60HZ / 240VAC 50HZ
- 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.*
- 5 EA CABLE GUIDE RINGS *Lifetime Warranty.*
- PATENTED DERLIN MAST GUIDE BLOCKS
- ALL TOWER SECTIONS ARE OPERATED ONLY WITH CERTIFIED 3/8" DIAMETER 7/19 GALVANIZED AIRCRAFT QUALITY.
- ALL CABLES HAVE BEEN MARINATED IN LPS3 FOR LONG LIFE ANTI CORROSION FOR HARSH SALT WATER ENVIRONMENTS. CERTIFIED BREAK STRENGTH OF 14,000lb.
- 4", 5" AND 6" GALVANIZED STEEL SMART CUSTOM BEARINGS FITTED PULLEYS MARINATED IN LPS3
- ALL ECO-GUARD (TM) ECO COATED GRADE 9 BOLTS HAVING GREATER TENSILE STRENGTH THAN GRADE 8, DESIGNED FOR USE IN HIGH-STRESS AND HIGH STRENGTH APPLICATIONS. COATING THAT MEETS 1000HRS OF SALT SPRAY CORROSION RESISTANCE FOR A MAXIMUM TENSILE STRENGTH OF TYPICALLY 180,000PSI
- MAIN DRIVE MOTOR IS WASH-DOWN DIRECT DRIVE WORM GEAR EXTREME ENVIRONMENT W/MOISTURE DRAIN. **OPTIONAL STAINLESS-STEEL MOTOR CASING**
- ALL UNITS ARE DESIGNED TO WITHSTAND THE MOST SEVERE -120 / 160 DEGREES FAHRENHEIT CONDITIONS
- CAN BE OPERATED IN MAXIMUM 99% HUMIDITY
- GALVANIZED STEEL SAFETY GUARDS IN PLACE PER "OSHA SAFETY GUARD STANDARDS" ON ALL ROTABLE AND PROTECTIVE GRATE SCREEN OVER DUAL CABLE ROTABLE DRUMS, AS WELL AS END SHAFTS *Lifetime Warranty*
- ALL LMS UNITS HAVE REDUNDANT MANUAL DEPOLYMENT SYSTEMS. BOTH TILT AND ERECTION, TRUE EMERGENCY UNITS IN THE FIELD. *Lifetime Warranty*



TOWER TRAILER:

- STRUCTURAL OUTRIGGERS *Lifetime Warranty*
- DIAMOND PLATE 11 GAUGE DECK
- DECKS WATER-FALL SIDES ADD 400% TO STRENGTH VS. FLAT STEEL WELDED TO RAIL *Lifetime Warranty.*
- ELECTRICAL COMPONENTS BONDED TO FRAME FOR SYSTEM GROUNDING
- ALL STEEL CONSTRUCTION 10" WIDE BEAM CONSTRUCTION, NO ALUMINUM
- 1/4" LINE X SPRAYED ON FULL DECK AND FRONT OF TRAILER FOR ANTI SLIP
- ANTI THEFT REMOVABLE TONGUE
- 11 HOLE ADJUSTABLE HITCH COUPLER CHANNEL *Lifetime Warranty.*
- REMOVABLE 2 5/16" BALL HITCH
- 7 BLADE TYPE CONNECTOR
- 12,000 LB SIDE PULL SPRING LOADED TONGUE JACK
- EMERGENCY TRAILER BREAKAWAY DEVICE
- 2 EA TWO HOLE 1/0 GROUND LUGS
- 2 EA HEAVY DUTY SAFETY CHAINS
- 4 EA TUBE GROUND ROD ATTACH POINT HOLDERS WELDED TO OUTRIGGERS
- 1 EA GROUND ROD STORAGE TUBE BUILT IN TRAILER DECK, GREEN CAP
- 4 EA ADJUSTABLE 8,000 LB LOCKING JACKS W/ PADLOCK PROVIDED
- 4 EA GALVANIZED 2' X 2' OUTRIGGER JACK PADS
- 4 EA SLIDE OUTRIGGERS WITH NEEDLE BEARING FOR EASY PULL-OUT
- 4 EA TAMPER PROOF LOCKING OUTRIGGER JACKS
- 4 EA TRAILER LEVEL INDICATORS ON TWO PLANES, GROUND VISIBLE
- 2 EA 7,000LB SPRING AXLES EACH ELECTRIC BRAKE
- FULL SIZE SPARE UNDER DECK
- ALL WEATHER PADLOCKS AND HIDE-A-KEY
- 5 EA 16 PLY 215-75-17.5 RADIAL TIRES
- 5 EA 17.50 POWDER COATED SOLID STEEL WHEELS *Lifetime Warranty.*
- 4 SETS WHEEL SETS LOOSE NUT INDICATORS
- MUD FLAPS
- 1 EA TRAILER STEP-UP, WITH 1EA STEP HAND RAIL
- DOT AND TRANSPORT CANADA LED LIGHTING PACKAGE AND REFLECTIVE TAPE
- 36" STEEL LOCKING ALUMINUM POWDER COATED BLACK DIAMOND PLATE TOOL BOX SECURED
- FLASHING EMERGENCY LIGHTS
- MAXIMUM ANGLE OF TERRAIN IN DEGREES FOR SAFE TRAILER DEPLOYMENT UP TO 7 DEGREES SIDE TO SIDE, 3.5 DEGREES FRONT TO BACK WITHOUT ADDITIONAL BLOCKING
- GUY RADIUS AND ADDITIONAL ANCHOR DESIGN DEPENDENT ON LOADING AND WINDS TO BE DETERMINED BY ENGINEERING
- 12 POSITION GUY KIT, UNGUYED FOOT PRINT SAME AS OUTRIGGER FOOT PRINT
- EQUIPPED WITH LIFTING HOOKS IN ALL FOUR CORNERS FOR HELICOPTER LIFT
- MIL-STD 209K TRAILER TIE-DOWN AND LIFTING LUGS



1. COMPREHENSIVE OPERATIONS MANUAL
2. BEST WARRANTY IN INDUSTRY AND *LIFETIME WARRANTY ITEMS NOT SEEN IN INDUSTRY*
3. 24 HOUR SUPPORT
4. HIGH WIND ALL TERRAIN OFF-ROAD APPLICATIONS
5. CAN BE PULLED WITH STANDARD 3/4 CIVILIAN OR MILITARY TRUCK
6. BUILT FOR ROUGH / INACCESSIBLE TERRAIN APPLICATIONS
7. ENGINEERED MEET DEMANDS OF ALL MILITARY STATIC, COMMUNICATIONS AND ENVIRONMENTALS
8. AIRCRAFT, AND HELICOPTER TRANSPORTABLE, ALSO CONTAINER STORED AND TRANSPORTABLE A REAL PLUS.
9. U.S. DEPARTMENT OF COMMERCE, BUREAU OF INDUSTRY AND SECURITY APPROVED EXPORTABLE GOODS
10. EXCEEDS ENVIRONMENTAL LOW TEMPERATURE IN ACCORDANCE WITH MIL-STD 810 PROCEDURE II: OPERATIONAL COLD START AND/OR STORAGE.
11. HIGH TEMPERATURE IN ACCORDANCE WITH MIL-STD-810 PROCEDURE 1 WITH SOLAR LOADING
12. TRANSPORT SHOCK, TRANSPORT VIBRATION TESTED
13. MILITARY TRANS-PORTABILITY
14. WEIGHT AND WEIGHT DISTRIBUTION TESTING
15. BRAKE AND HANDLING
16. GRADING/SLOPE @10-30%
17. STEERING AND HANDLING
18. TURNING DIAMETER
19. STATIC ROLL-OVER
20. STABILITY AND HANDLING
21. TOWING CAPABILITY
22. DEPLOYMENT TIME 1 MINUTE FOR VERTICAL LIFT AND ERECTION UNDER 30 MINUTES
23. MAX AZIMUTH (TWIST) PLAY LESS THAN .75 DEGREES
24. LANDA MOBILE SYSTEMS, LLC OFFERS FREE TRAINING FOR ALL OWNER OPERATORS
25. DATA MATRIX BAR CODE TAGGING ON ALL GOVERNMENT ORDERS INDICATING MFG, VIN NUMBER, SALE DATE, PURCHASER



9900 LBS SHIPPING WEIHT
 14,000 LBS GVWR
 4100 LBS TRAILER USEFUL LOAD
 30.5' LONG TOTAL UNIT
 10' 4" TALL, HORIZONTAL NESTING
 8' 6" WIDE TRAILER
 26' TOWER RETRACTED MINIMUM HEIGHT

General tower specifications

| Specifications | Ratings | Facts |
|---------------------------------------|------------------------------------|--|
| Tower Height Extended | +/- 65'0" AGL | Six (4) sections-21'0" (6.4m) Each |
| Tower Height Nested | +/-22ft Vertical Nesting | +/-10'4"-Horizontal Nesting |
| Maximum operational wind speed | 85MPH, contingent on client load | Actual Rating per Client-specific load |
| Maximum survival wind speed | 105mph, contingent on client load | Actual Rating per Client-specific Load |
| Maximum wind surface area | 30 Sq. Ft | |
| Maximum wind speed at Erection | To 35Mph (56km/hr.) | |
| Payload Weight at Top of Tower | Max to 2000lbs | Certified to 2000Lbs |
| Payload Wt. Top of Tower Single Stage | Max to /950 | Certified to 950Lbs |
| Payload Wt. Top of Tower Dual Stage | Max to 2000lbs | Certified to 2000Lbs |
| Payload Weight on Tower During Tilt | Max to 950lbs | Certified to 950Lbs |
| Erection/Retraction Speed | Single Stage Process | Direct Drive +/-11.3Min. |
| Erection/Retraction Speed | Dual Stage Process | Direct Drive +/-22Min. |
| Hydraulic Tilt Speed | Dual 3" Cylinder | Direct Drive +/-1Min. |
| Power Requirement to Operate Tower | Electric Drive System | 110VAC / 60Hz / 1PH |
| Power Requirement to Operate Tower | Electric Drive System | 240VAC / 50Hz / 1PH |
| Erection/ Retraction Motor HP | 2.5HP 1-Phase-Optional single gear | Dual Stage Configuration Standard |
| Single Gear Box Ratio | Direct Drive | Min. 446:1 |
| Dual Gear Box Ratio | Direct Drive | Min. 900:1 |
| Motor RPM | Direct Drive | 1725 Each (60Hz) |

Approximate standard material specifications

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|---|--|
| Standard superior Tower Legs - Grade B, US Carbon Steel | ASTM A500-07, A53-12 |
| Optional Legs - HSS ASTM DOM | 1026 Alloy/A513 ~ 70-95 Ksi Yield Strength |
| Structural Shapes Solid Rod, Bars, Angle, Etc. | ASTM A-500 ~ 50 Ksi Yield Strength |
| Structural Steel Square Tube | ASTM A-500 ~ 50 Ksi Yield Strength |
| Horizontals~ Flat Bar | ASTM A-500 ~ 50 Ksi Yield Strength |
| Welded E70 Electrode | AWS D1.1 Latest Rev. |
| Hot Dipped Galvanize Tower ~ ASTM A-123 | ASTM A-500 ~ 50 Ksi Yield Strength |
| Hardware/Bolts | ECO Guard Grade 9 Bolts |

Not including standard wear items i.e. electrical, brakes, tires, bearings, jacks, rubber and plastics).

LIFETIME WARRANTY AS DESCRIBED ON WEBSITE [HTTPS://LANDAMOBILESYSTEMS.COM/COMPANY/LMS-WARRANTY](https://landamobilesystems.com/company/lms-warranty)