



LMS 65 SMS SKID MOUNT PORTABLE TOWER

FITS IN ISO 20 FT CONTAINER

- 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*



MOBILE TOWER CONTINUED,

- 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**
- <.75 DEGREE AZIMUTH
- <1.5 DEGREE INCLINATION
- 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 SKID

- AUTOMATIC PLATFORM LEVELING JACK SYSTEM
- DIAMOND PLATE 11 GAUGE DECK *Lifetime Warranty*
- DECKS WATER-FALL SIDES ADD 400% TO STRENGTH VS. FLAT STEEL WELDED TO RAIL *Lifetime Warranty*
- ELECTRICAL COMPONENTS BONDED TO FRAME FOR SYSTEM GROUNDING
- ¼" LINE X SPRAYED DECK FOR ANTI SLIP
- OPEN DECK SPACE IN FRON OF TOWER ASSEMBLY MOUNT
- ALL STEEL CONSTRUCTION 12" WIDE BEAM CONSTRUCTION, NO ALUMINUM
- 2 EA TWO HOLE 1/0 GROUND LUGS
- FORK LIFT TUBES UNDER REAR LENGTH WISE
- 4 EA AUTO LEVELING SKID SYSTEM
- 4 EA TELESCOPIC CRANS STYLE OUTRIGGERS
- 4 EA HEAVY DUTY OUTRIGGER SAFETY CHAINS
- 4 EA ADJUSTABLE SAFELTY LOCKING OUTRIGGER 7,000LB JACKS, WITH LOCKS
- 4 EA GALVANIZED STEEL 2 X 2 JACK SHOE PLATES
- SLIDE OUTRIGGER PACKAGE WITH ROLLER BEARINGS
- 4 EA SKID LEVELING GUIDES
- ALL WEATHER PADLOCKS AND HIDE-A-KEY
- 36" STEEL LOCKING TOOL BOX
- MAXIMUM ANGLE OF TERRAN IN DEGRESS FOR SAFE SKID DEPLOYMENT UP TO 7 DEGRESS SIDE TO SIDE, 3.5 DEGREES FRONT TO BACK WITHOUT ADDITIONAL BLOCKING
- GUY RADIUS AND ADDITIONAL ANCHOR DESIGN DEPENDENT ON LAODING AND WINDS TO BE DETERMINED BY ENGINEERING
- HIGH WIND ALL TERRAIN OFF-ROAD APPLICATIONS
- EQUIPPED WITH LFITING HOOKS IN ALL FOUR COURNNINGS FOR HELICOPTER LIFT



TOWER SKID CONTINUED,

- BUILT FOR ROUGH INACCESSIBLE TERRAIN APPLICATIONS
 - CAN BE PULLED WITH BULL DOZERS AND DEPLOYED MILITARY DESIGNED TO MEET MOST MILITARY ENVIRONMENTAL AND TRANSPORT APPLICATIONS
 - ENGINEERED AND DESIGNED TO MEET RIGOR DEMANDS
 - MIL-STD 810 TRAILER TIE-DOWN AND LIFTING LUGS
 - COMPREHENSIVE OPERATIONS MANUAL PLUS WARRANTY
 - 24 HOUR SUPPORT
 - EXTRA HEAVY-DUTY D-RINGS FRONT FOR PULLING SKID
 - 4 EA GREEN GROUND ROD ATTACH POINTS
 - BUILT IN DECK GROUND ROD STORAGE COMPARTMENT
 - OVERSEAS SHIPMENT UNITS ARE COMPLETELY SPRAY COATED
 - SINGLE PERSON DEPLOYMENT
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. BUILT FOR ROUGH / INACCESSIBLE TERRAIN APPLICATIONS
 6. ENGINEERED MEET DEMANDS OF ALL MILITARY STATIC, COMMUNICATIONS AND ENVIRONMENTALS
 7. AIRCRAFT, AND HELICOPTER TRANSPORTABLE, ALSO CONTAINER STORED AND TRANSPORTABLE A REAL PLUS.
 8. U.S. DEPARTMENT OF COMMERCE, BUREAU OF INDUSTRY AND SECURITY APPROVED EXPORTABLE GOODS
 9. EXCEEDS ENVIRONMENTAL LOW TEMPERATURE IN ACCORDANCE WITH MIL-STD 810 PROCEDURE II: OPERATIONAL COLD START AND/OR STORAGE.
 10. HIGH TEMPERATURE IN ACCORDANCE WITH MIL-STD-810 PROCEDURE 1 WITH SOLAR LOADING
 11. TRANSPORT SHOCK, TRANSPORT VIBRATION TESTED
 12. MILITARY TRANS-PORTABILITY
 13. WEIGHT AND WEIGHT DISTRIBUTION TESTING
 14. GRADING/SLOPE @10-30%
 15. STATIC ROLL-OVER
 16. STABILITY AND HANDLING
 17. DEPLOYMENT TIME 1 MINUTE FOR VERTICAL LIFT AND ERECTION UNDER 30 MINUTES
 18. MAX AZIMUTH (TWIST) PLAY LESS THAN .75 DEGREES
 19. LANDA MOBILE SYSTEMS, LLC OFFERS FREE TRAINING FOR ALL OWNER OPERATORS
 20. DATA MATRIX BAR CODE TAGGING ON ALL GOVERNMENT ORDERS INDICATING MFG, VIN NUMBER, SALE DATE, PURCHASER



A FEW OPTIONS

- MAN RATED LOCKOUTS
- MAN RATED SAFETY CLIMB
- LIGHTENING PROTECTIONS
- FAA LIGHTING
- EXTRA REELS
- SLIDE OUT
- SAFETY RAILS
- PAN ADAPTER
- STARR MOUNT
- GROUNDING KIT
- TOWER COVERS
- MOTOR COVERS
- GENERATORS
- FUEL TANKS
- FUEL PUMPS
- LIGHTING
- CUSTOM EQUIPMENT CONFIGURATION BUILDS



TBD SHIPPING WEIGHT
 41'5" DEPLOYED LENGTH WITH OUTRIGGERS EXTENDED
 WIDTH WITH OUTRIGGERS EXTENDED
 7'4.5" DECK WIDTH WORKING SURFACE
 19' TOWER TRANSPORT LENGTH
 18'2" DECK LENGTH WORKING SURFACE
 1'1" DECK HEIGHT ABOVE GROUND
 21' RETRACTED MINIMUM HEIGHT
 FITS IN ISO 20 FT CONTAINER

General tower specifications

| Specifications | Ratings | Facts |
|---------------------------------------|------------------------------------|--|
| Tower Height Extended | +/- 65'0" AGL | FOUR (4) sections-17'0" (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 1134kg/2500lbs | Certified to 2500Lbs |
| Payload Wt. Top of Tower Single Stage | Max to 612kg/1350lbs | Certified to 950Lbs |
| Payload Wt. Top of Tower Dual Stage | Max to 1134kg/2500lbs | Certified to 2500Lbs |
| Payload Weight on Tower During Tilt | Max to 612kg/1350lbs | 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

| | |
|---|--|
| 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 |

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

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