

## LMS 85 SMS SKID MOUNT PORTABLE TOWER

### LMS 85 SMS SHORT, FOR SHIPPING AND STORAGE IN A 20' CONTAINER.

LMS= Landa Mobile Systems

22' – 85' Deployed height

SM= skid mounted

SMS= Short build for 20' container storage and shipping

#### 85' SMS MODEL

- 36" FACE SUPER HEAVY DUTY A SECTION
- 6 SECTIONS, ALL SECTIONS ASTM A500-07, A53-12, GRADE B, CARBON STEEL, SCHEDULE 40 STRUCTURAL TUBING
- 46" TRAILER INTEGRATED TOWER TILT BASE ASSEMBLY SUPPORTS OUR COMPLETE LINE OF LATTICE TOWERS
- 3 SECTOR ANTENNA MOUNT / CUSTOM MOUNT DESIGNS
- DUAL TORSION ROD DESIGN
- MULTIPLE STIFFENER PLATES IN CRITICAL AREAS
- HOT DIPPED GALVANIZED FINISH EN ISO 1461/ASTM A123/CSA G164 FOR ALL WEATHER
- WEATHERPROOF (LOCKING) CONTROL PANEL, LIMIT SWITCHES FOR TILT AND EXTENSION OPERATION
- 900:1 WORM DRIVE ALLOWING TOWER TO BE SAFELY DEPLOYED AT ANY HEIGHT UP TO 85'
- BACKUP POWERLESS KEY OPERATION ALLOWING TOWER TO BE RAISED OR LOWERED WITH A CORDLESS DRILL
- THEFT PROOF CABLE STORAGE REEL, OPTIONAL ELECTRIC, MULTIPLE REELS, SPLIT REELS AND HANDLES
- 6 EA CABLE GUIDE RINGS
- WEATHERPROOF (LOCKING) CONTROL PANEL
- 1 MINUTE FROM HORIZONTAL TO VERTICAL WITH LOAD DUAL HYDRAULIC 20,000LB TILT RAM SYSTEM
- 22 MIN TO FULL ERECTION
- 9 POSITION GUY KIT
- HEAVY DUTY UPPER AND LOWER LIMIT SWITCHES
- 110VAC 60HZ / OPTIONAL 240VAC 50HZ
- HIGH STRENGTH AIRCRAFT QUALITY CABLES MARINATED IN LPS3
- PATENTED DERLIN MAST GUIDE BLOCKS
- 2000Lb TILT HEADLOAD
- 2500Lb PAYLOAD CERTIFIED
- 2900Lb VERTICAL LIFT ABILITY
- REDUNDANT TOWER RETRACTION CABLES
- 4", 5", AND 6" STEEL CUSTOM BEARING FITTED LANDA PULLEYS
- TOWER BUILT WITH ALL ECO COATED GRADE 9 BOLTS
- MOTOR DRIVE UNITS Main drive motor is wash-down direct drive worm gear extreme environment w/moisture drain. All units are designed to withstand the most severe -120 / 160 degrees Fahrenheit conditions without failure.
- LMS NEVER FAIL KEY SYSTEM INCLUDED Patent Pending LMS key system. LMS units are secure with both tilt and erection systems backed up and designed to be operated by hand with LMS Key system and a cordless in case of a remote no power. The Lattice Towers are 100% Redundant backed up as a true emergency unit in the field, and you will not be let down when its critical.

## TOWER SKID

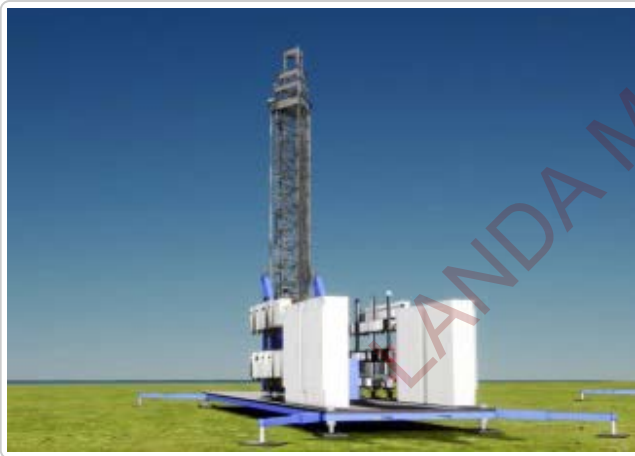
- AUTOMATIC PLATFORM LEVELING JACK SYSTEM
- DIAMOND PLATE 11 GAUGE DECK 19'5" LONG X 7' 5" WIDE
- DECKS WATER-FALL SIDES ADD 400% TO STRENGTH VS.FLAT STEEL WELDED TO RAIL
- ELECTRICAL COMPONENTS BONDED TO FRAME FOR SYSTEM GROUNDING
- LINEX SPRAYED DECK
- INTEGRATED TOWER BASE TILT SYSTEM CONSTRUCTED WITH 4"X4"X1/4" STRUCTURAL TUBING FOR EXTRA STRENGTH
- OPEN DECK SPACE IN FRONT 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 CRANE STYLE OUTRIGGERS
- 4 EA HEAVY DUTY OUTRIGGER SAFETY CHAINS
- 4 EA ADJUSTABLE SAFETY 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 BUBBLE TYPE TRAILER LEVEL GUIDES
- ALL WEATHER PADLOCKS AND HIDE-A-KEY
- 36" STEEL LOCKING TOOL BOX
- 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
- HIGH WIND ALL TERRAIN OFF-ROAD APPLICATIONS
- EQUIPPED WITH LIFTING HOOKS IN ALL FOUR CORNERS FOR HELICOPTER LIFT
- BUILT FOR ROUGH / INACCESSIBLE TERRAIN APPLICATIONS
- CAN BE PULLED IN WITH BULLDOZERS AND DEPLOYED MILITARY DESIGNED TO MEET MOST MILITARY ENVIRONMENTAL AND TRANSPORT APPLICATIONS
- ENGINEERED AND DESIGNED TO MEET THE RIGOR DEMANDS
- MIL-STD 209K TRAILER TIE-DOWN AND LIFTING LUGS
- COMPREHENSIVE OPERATIONS MANUAL PLUS WARRANTY
- 24 HOUR SUPPORT
- ENGINEERED AND DESIGNED TO MEET THE RIGOR DEMANDS
- EXTRA HEAVY D-RINGS FRONT FOR PULLING SKID
- 4 EA GREEN GROUND ROD ATTACH POINTS
- BUILT IN DECK GROUND ROD STORAGE COMPARTMENT
- OVERSEAS SHIPMENTS UNITS ARE COMPLETELY SPRAYED COATED, OPTION

## A FEW OPTIONS

- MAN RATED LOCKOUTS
- MAN RATED SAFETY CLIMB
- LIGHTNING PROTECTION
- 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

## WEIGHTS AND DIMENSIONS

- TBD LBS SHIPPING WEIGHT
- TBD EMPTY TRAILER
- 41'5" DEPLOYED LENGTH WITH OUTRIGGERS EXTENDED
- 17' 10" DEPLOYED WITH WITH OUT RIGGERS EXTENDED
- 7' 5" WORKING DECK WIDTH WITH OUTRIGGERS NOT EXTENDED
- 7' 33" DECK WIDTH WORKING SURFACE
- 19' 17" DECK LENGTH WITH OUTRIGGERS NOT EXTENDED
- 18' 17" DECK LENGTH WORKING SURFACE
- 1' 1" DECK HEIGHT ABOVE GROUND
- 22' RETRACTED MINIMUM HEIGHT
- 2000 LBS TILT HEAD LOAD
- 2500 LB HEAD LOAD



## PAINT / CHOICE OF COLOR

### 1. GREEN PANTONE 7735C

LMS towers utilize 2 3/8" OD ASTM A500-07, A53-12 grade B, Carbon steel schedule 40 steel pipe, 55.3 KSI yield strength in constructing the complete tower assembly. Solid rod cross bracing with back filled welds are utilized on the complete tower. "Not machine applied" like others. incorporatING multiple Torsion Rods and Stiffener Plates for added strength. The main body of the tower has been analyzed utilizing the commercially available software TNX Tower version 0.0.8 (previously known as RISA Tower & ERI Tower). Full operational and Cad animated erection and 3D print available with equipment placement models.

1. **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**
2. **GUY RADIUS AND ADDITIONAL ANCHOR DESIGN DEPENDENT ON LOADING AND WINDS TO BE DETERMINED BY ENGINEERING. HIGH WIND ALL TERRAIN OFF-ROAD APPLICATIONS**
3. **CAN BE PULLED WITH STANDARD 3/4 TON PICKUP, TRUCK FOR OFF ROAD 4X4 RECOMMENDED**
4. **ALL UNITS MILL SPEC EQUIPPED WITH LIFTING HOOKS IN ALL FOUR CORNERS FOR HELICOPTER LIFT FOR REMOTE**
5. **BUILT FOR ROUGH / INACCESSIBLE TERRAIN APPLICATIONS AND HELICOPTER LIFT**
6. **CAN BE PULLED IN WITH BULLDOZERS, AND DEPLOYED MILITARY DESIGNED TO MEET MOST MILITARY ENVIRONMENTAL AND TRANSPORT APPLICATIONS**
7. **ENGINEERED AND DESIGNED TO MEET THE RIGOR DEMANDS**
8. **MIL-STD 209K TRAILER TIE-DOWN AND LIFTING LUGS**
9. **COMPREHENSIVE OPERATIONS MANUAL PLUS WARRANTY**

LANDA MOBILE SYSTEMS