



**MOBILE TOWER SOLUTION**



*The World Is Our Workplace*





Mobile communication towers for missions that require to be just that... mobile. Rohn Products International's QES Mobile Towers can be fully deployed in 20 minutes or less, and are mounted on rugged, off road, heavy duty trailers. Designed for military application in the most extreme environmental conditions, the QES solution provides reliable, remote, communication infrastructure.

With standard heights of 10m, 20m, and 30m, and custom solutions available to 40m, we have the mobile tower solution to meet your requirement. The QES mobile tower designs are based on a 85mph wind speed per EIA/TIA Rev G, dependent on antenna load. Higher wind speeds are also available as required.

Options available on the QES Mobile Towers include generator or battery mounted power supply, storage cabinets and custom color (Desert Tan is standard). Trailer configurations can be customized to allow for mission critical equipment mounting to meet your specific requirements.

For over 25 years, Rohn Products International LC has been erecting tower infrastructure under some the world's most extreme and hostile environmental conditions. The QES Mobile Tower was designed with one mission... to keep your communications flowing anytime... and anywhere.







## RPI-QES (Quick Erect Series) Mobile Tower Model QES-1---, QES-2000, QES-3000 Product Specifications

Each of our RPI-QES Mobile Tower Series utilizes a heavy duty off-road trailer to get your communication system where it is needed. Rated for a payload of 8,000 lbs. the RPI-QES trailer was designed for the most rugged terrain and environmental conditions. Our tower structure adheres to EIA/TIA Rev-G and are rated for 85mph basic wind (no ice). Options available include generator, fuel reserve, storage cabinets, and custom color.

### Dimensions

Deck Size: 96" x 272"  
Overall Width: 101.5" (including rub rail)  
Overall Length: 340"  
Tower Frame: 8'8"H x 4'2"W x 7'7"L

### The Quick Erect Series

QES 1000 – 10m Quick Erect Tower  
QES 2000 – 20m Quick Erect Tower  
QES 3000 – 30m Quick Erect Tower

### Trailer Body

- Main frame beams made from ¼" wall 4" x 10" A-500 rectangle tubing with 4" A-36 frame cross members.
- Deck plate 3/16" A-786 safety diamond plate or 3/16" A-36 sheet steel
- Multi position draw bar configuration with 4 bolt hole lunette, safety chain with hooks
- Steel 4" x 8" I-beam outriggers with 12k drop landing leveling legs (with UHMW 1" x 18" x 18" foot pads)
- Rear impact guard and (4) trailer lifting and tie down eyes
- Trailer ground rod (9") 4 step aluminum boarding ladders with handles

### Tower

- Galvanized all-welded tower sections
- ASTM A500 steel tower legs and frame mount
- ASTM A36 steel webbing
- ASTM A500 steel rectangular frame members
- Baldor double shaft 1HP drive motor
- Dodge 60:1 gearbox hollow output
- Dodge 5:1 gearbox helical reduction
- High strength galvanized aircraft grade cable
- Two bolt safety locking mechanism
- 3-part limit switch system prevents overextension
- Two level guy wire kit with 5' helical anchors
- Manual crank tilt and telescoping option
- Electrical override

### Electrical (Trailer)

- Heavy Duty wire harness
- SAE J-560 pin coiled power cord (12 pin 24 volt available)
- Converter box (24 volt to 12 volt) for ABS system
- LED lighting system





#### **Wheel/Suspension**

- 22.5 x 12.25 Aluminum wheels with 385/65R22.5, 18ply, load range J tires
- Spare wheel and tire assembly with under deck hand crank winch
- Hutchens 9700 Series overslung suspension system
- Axles rated 25k with ABS dust covers

#### **Miscellaneous (Trailer)**

- 9' ground rod (3 sections)
- Built-in trailer leveling levels
- Crank handles for leveling legs
- Breaker bar and socket for tire change
- Lockable tool box
- Hand tools and 4 collapsible traffic cones

#### **Miscellaneous (tower)**

- 4-point stabilizing system (bubble level)
- Locking tool box
- Weatherproof locking control box
- Three arm adjustable antenna mount
- Trailer mounted coax cable reel

#### **Options**

- Generator
- Fuel Tank
- Custom Color (Desert Tan – Standard)



## INTERNATIONAL SALES



Rohn Products International operates in Europe,  
Africa the Middle East and Southeast Asia.

### Corporate Office

Rohn Products International L.C.  
1090 Kensington Park Dr.  
Altamonte Springs, Florida, 32714 USA  
Phone: 407-998-9200  
Fax: 407-998-9230

### Oman Office

Rohn Products International Arabia Ltd  
P.O. Box: 380  
Al Seeb,  
P.C.: 121,  
Muscat,  
Sultanate of Oman  
Phone/Fax: +968 242 71799

### Saudi Arabia Office

Rohn Products International Arabia Ltd.  
Osman Bin Arfan St.  
Al Waha Quarter  
Behind National Exhibition Center  
+966 1 2031115 /201117  
Fax +966 1 2031116

### Egypt Office

Adel Haggag Ltd.  
Add.10 Saudia Buildings Floor # 7,  
Suite# 702, Elnozha St,Golf Area,  
Heliopolis - Cairo - Egypt - 11371  
Tel/Fax: +202 24146310 / +202 24145866

[info@rohnproducts.com](mailto:info@rohnproducts.com)  
[www.rohnproducts.com](http://www.rohnproducts.com)