



ALUMA TOWER COMPANY, INC.

1639 Old Dixie Hwy.
P.O. Box 2806
Vero Beach, FL 32961-2806
Ph 1.772.567.3423
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www.alumatower.com

TM54-80S/TU-90HD - Unit System Specifications

Tower Specifications– All Aluma Tower Company, Inc. towers are designed to TIA-222-G Structural Standards for Antenna Supporting Structures and Antennas.

Model	TU-90HD
Tower Construction	American Aircraft Aluminum 6061-T6
No. of Sections	4
Sections ID	EU, DU, CU & BU
Length of the Section	25 ft.
Sections Overlap	4 ft.
Maximum Height w/o Mast	88 ft.
Standard Mast Length	8 ft.
Maximum Height w/ Mast	92 ft.
Nested Height w/o Mast	27 ft.
Raising System	AC or DC Winch (Multiple Voltage Available)
Tilting Mechanism	AC or DC Winch (Multiple Voltage Available)
Type of Retraction	Positive
Winch Manual bypass	Yes
Lockable Mechanism	Yes – Safety Stop
Multiple height Lockable	Yes – Every 45"
Multiple Safety Redundancy	Yes
Tower Operations Temperature	-40°F / +120°F
Maximum Pay Load*	200 lbs.
Maximum Wind Load (Sail Area)*	15 sq.ft.
Maximum Wind Speed*	70 mph.
Approximate Tower Weight	450 lbs.

* Number reflect top section of the tower when fully erected (deployed)

Trailer Specifications – All Aluma Tower Company, Inc. trailers are licensed and designed to meet or exceed Department of Transportations (DOT) regulations. Aluma Tower is certified manufacture and an active member of National Association of Trailer Manufactures (NATM)

Frame Model	TM54-80
Frame Construction	American Structure Steel
Finishing and Corrosion Protection	Hot Deep Galvanized
Trailer Frame Length	263"
Trailer Frame Width	88"
Approximated Trailer Frame Height (deck height)	22"
Approximated Trailer Height (with tower)	125 1/8"
Coupler Type	2 5/16" Ball or/and Pintle
Coupler Height	18" - 22" – Adjustable, 2" increments
Standard Axles Sizes*	(2) 3500 lbs.
Axles Type	Galvanized Torsion
GVWR	6990 lbs.



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Standard Tire Size*	235-85R/16LT
Tire Load Range	E
Brakes*	Electric in 4 wheels
Breakaway Kit	Yes
Spare Tire	Yes – Full Size
<i>Approximated Shipping Weight (w/ accessories, frame and tower)</i>	3780 lbs.
Tongue Weight	9% to 12% of Shipping Weight
Standard Tongue Jack*	(1) 8000 lbs. mechanical
Leveling System	(8) 8000 lbs. mechanical Jacks
Outriggers	(2) slide-out and (2) swing-out
* Multiple Options available	