

CAROLINA WINDOM 80

Earned its reputation honestly, one QSO at a time™

New & Improved

See page 35 for new features.

- ♥ Outstanding on all bands covered
- ♥ One antenna that does it all
- ♥ Unusually low angle radiation pattern
- ♥ Easily beats G5RV, dipoles, trap antennas
- ♥ Enhanced, low angle, Vertical Radiator
- ♥ High efficiency - no ground losses
- ♥ Ground independent - radials not needed
- ♥ The secret is the inverted VERTICAL RADIATOR
- ♥ Matching Unit enhances vertical radiation
- ♥ Use Transmatch
- ♥ **Chosen by 'Big Gun' DX'ers and DX'peditions.**

The CAROLINA WINDOM has been the performance choice of 'Big Gun' DX'ers and DX'peditions. You've heard the CAROLINA WINDOM from Navassa, Sable Island and Albania among dozens of other DX'peditions. Why not take advantage of their big signal secret with the CAROLINA WINDOM? This antenna can give you an S-unit or two advantage. You can't buy so much added performance for so little money anywhere else!

The CAROLINA WINDOM was the first antenna to take advantage of 'VERT™' (Vertically Enhanced Radiation Technique). 'VERT™' is a radiating feed line technique that produces a controlled, low angle vertical radiation pattern. The effect is absent from most ordinary antennas. Field tests, user reports and seven product reviews confirm that the CAROLINA WINDOM will give you a remarkable performance advantage.

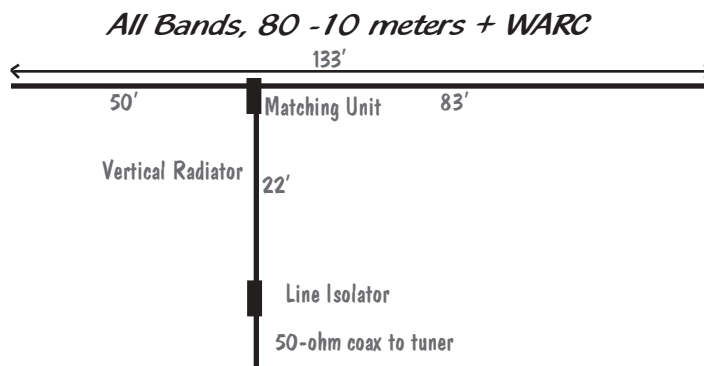
The off-center fed CAROLINA WINDOM provides unusually good performance on all bands covered, including the WARC bands. It's an ideal antenna for those of you who do not wish to use a tower and beam. The CAROLINA WINDOM is also ideal for those of you who want a high performance antenna to cover the bands not covered by your beam antenna.

The Secret

It's the Vertical Radiator. Combined with the Dedicated Matching Unit and special Line Isolator, it is responsible for the low-angle, vertical radiation pattern.

AUTO-TUNER Range Extender

MFJ-914 1.8 - 30 MHz, 300 watts. Many auto-tuners do not have the tuning range to match a CAROLINA WINDOM. The MFJ-914 solves the problem for only about \$60.
Or, use the fantastic, new LDG or MFJ automatic tuners.



SPECIFICATIONS

Freq. Coverage:	80 - 10 meters, including WARC
Gain:	As much as 10 dBd*
Radiator length:	Horizontal = 133' + Vertical = 22'
Polarization:	Both vertical and horizontal components
Feed line:	50 ohm Coaxial cable
Matching method:	Dedicated Matching Transformer + your transmatch
Tuner needed:	Yes
Power Rating:	1500 Watts, CW/SSB* *
Recommended Ht:	>35' but usable at 30'
Radials?	Not required

* Based on user reports, field evaluations, and product reviews. Gain is due primarily to the low angle radiation pattern.

* **CW/SSB duty-cycles only. Not rated for AM, RTTY or other high duty-cycle modes.**

General Mounting Requirements

Mounting height at top of vertical section: >30'
Absolute minimum angle between legs = 126-degrees
Recommended min. angle between legs = 140-degrees
Minimum height at ends = 8'

Ground Space Needed

Configuration v. Length needed

Flat top:	134'
Inverted-V @ 40' height:	120'
Inverted-U @ >30' height:	Length = 114'
Inverted-U bends:	10' short leg; 15' long leg
Slope @ 40' =	128' (not recommended)
Slope @ 60' =	121'

Recommended mounting configuration

Flat-top, suspended between two tall supports >140' apart.

List \$135 Catalog **\$105**

Low Profile CAROLINA WINDOM 80 LP

See page 34 and 35 for details and

List \$135 Catalog **\$100**