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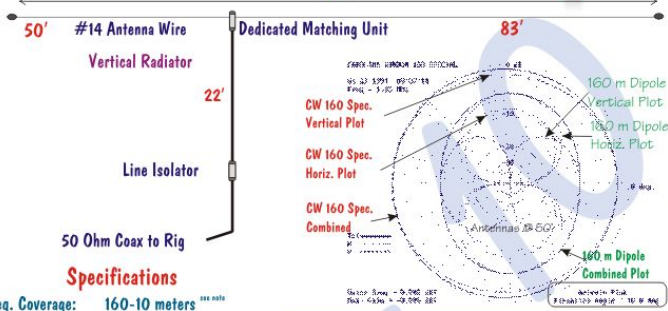
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Established 1997. Open Monday - Friday 9am - 5pm and Saturday 9.30am - 4pm

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160 - 10 meters  
only 132'

## CAROLINA WINDOM® 160 Special™



### Specifications

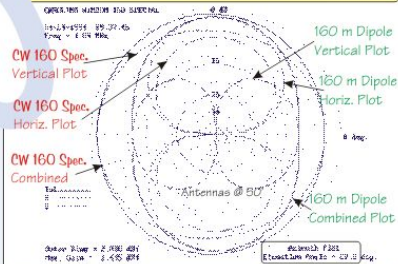
Freq. Coverage: 160-10 meters  
Radiator Length: 132'  
Vertical Radiator: 22'  
Polarization: Vertical and Horizontal  
Matching Method: DMU + Your Tuner  
Tuner Needed: Yes, all bands  
Power Rating: 1500 watts, 80-10 m  
500 watts, 160 m  
Recommended Height: > 40', usable @ 30'  
Radials: Not required

### Note: 160 m Operation

The CAROLINA WINDOM® has been modified to permit operation on 160 meters. 80 - 10 m are the primary operating bands. You MUST reduce transmitter output power to under 500 watts. Higher power levels will destroy the Dedicated Matching Transformer or Line Isolator.

On 160 meters, signal strength will be down an S-unit or two compared to a full-size CAROLINA WINDOM 160. On all other bands,

**CAROLINA WINDOM 160 Special™ vs 160 m Dipole**  
At very low radiation angles, here 10°, the CW 160 Special™ has the advantage due to its low angle, vertical radiation pattern. At higher radiation angles, the advantage diminishes until the CW 160 Special™ and the dipole are about equal. A CAROLINA



On 160 meters, above a 20° takeoff angle, a dipole and CAROLINA WINDOM 160 Special™ are about equal. The major difference will be the loss in the feed system due to the CW 160 Special's™ relatively SWR on 160 meters. The SWR and overall performance is similar to that of a

## CWS-160 RadioWorks Carolina Windom 160 Special

£184.96

## DESCRIPTION

The CWS-160 160m ham radio band is enjoying a resurgence of activity and the DX opportunities are better than ever before. But until now, installing an efficient dipole meant having a lot of garden space. The Carolina Windom 160 Special halves the the space needed and at the same time offers a superb all-band radiating system. The secret is in the Dedicated matching Unit (DMU) which efficiently transfers power to the 160m quarter wave radiator. The vertical section helps with both local and DX contacts. For correct operation you will also need an external ATU as most in-built transceiver models will not have the required capacity.

- \* 160m - 10m
- \* Length: 40.5m (133ft)
- \* Feeder: 50 Ohms
- \* Matching: Balun/Line isolator
- \* trans match: Required
- \* SWR: Low
- \* Power: 1.5kW
- \* V Radiator: 6.7m (22ft)

\* Install: >12m (40ft) above ground