

# CUSHCRAFT R-8

HF 8-BAND VERTICAL

6-10-12-15-17-20-30-40 M



This Cushcraft R8 multiband vertical design provides 8 band coverage encompassing the 6, 10, 12, 15, 17, 20, 30 and 40 meter bands. Cushcraft achieved a major breakthrough in the development of an HF multiband vertical antenna that has been specifically designed for use with a tuner and amplifier. As a result, the antenna more accurately addresses the needs of the contemporary ham shack.

Multiband vertical antennas have always been complicated designs with components as likely to be damaged by high levels of mismatched transmit power as the rigs they are attached to. Before the use of tuners became widespread, the antenna was protected by the same safety mechanisms that protected the rig. Now, the automatic power reduction circuits of the past have actually become a second layer of protective circuitry. Although the auto-tuner provides the ham with a more versatile device as well as protecting the rig's components, the antenna is more vulnerable than ever. With the press of a button, very high loads can be imposed on the antenna. The result to the antenna can be catastrophic failure in some instances.

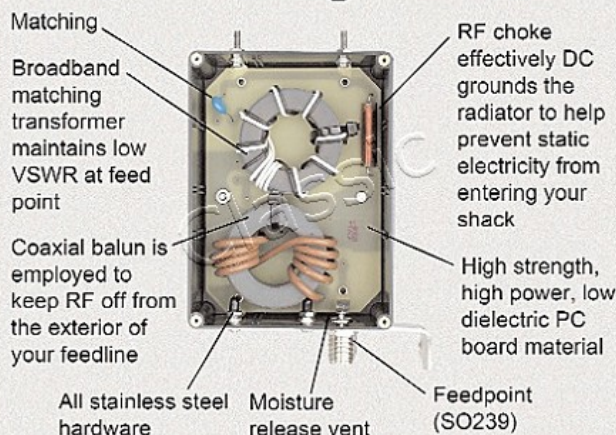
The R8 is the first multiband vertical designed for the rigors of contemporary operating conditions. Although the antenna is best operated within it's 2.0:1 VSWR bandwidth, it can sustain a 3.0:1 VSWR mismatch at full power for typical operating intervals. Now radio amateurs can take full advantage of the versatility that a tuner used in conjunction with a multiband HF vertical antenna can give them.

For high wind environments, add the R8GK guy kit-three point non-conductive guy system.

## Specifications

Frequency range : 50-28-24-21-18-14-10-7 MHz band  
Gain : 0 dBd  
Height : 8,7 m  
Radial : 1,25 m / ea  
Bandwidth (SWR< 2:1) : 6 m > 1500 kHz  
: 10 m > 1500 kHz  
: 12 m > 100 kHz  
: 15 m > 450 kHz  
: 17 m > 100 kHz  
: 20 m > 350 kHz  
: 30 m > 50 kHz  
: 40 m > 150 kHz  
Vertical radiation angle : 16°  
Max. power : 1 kW PEP | 750 W CW | 500 W FM/PSK  
Windload : 0,14 m2  
Mast size range : 32-50 mm  
Weight : 10,5 kg

## R8 Matching Network



Article id: CUSHCRAFT R-8

Price: € 659,00

ex VAT € 544,63