



Sales price £399.95

Sales price without tax £333.29

Tax amount £66.66

A Heavy Duty, Self supporting vertical HF antenna for HF 66' long.
80m/60m/40m/30m/20m/17m Band vertical HF antenna



Description

The InnovAntennas Vertigo - 66V. A 66' vertical of heavy duty construction for use on 6 bands between 80m and 17m

If you are finished with toys and would like a decent, high quality vertical built to last, you have come to the right place.

Why choose an InnovAntennas 66' (20m) self-supporting vertical?



The 66V Vertigo at M0NPK

"Just to let you know, Vertigo 66 went together to the millimetre a treat, (bit wobbly in the wind so decided to guy it at 2 points). 12 1/4 wavelength radials and SWR was spot-on first time, 1.08:1 at 3.680 and 1.5 or less across the whole band without any adjustments, brilliant, (photos attached). First station worked was Prince Edward island on 100w and received 59+10dB report, (10dB better than my inverted V dipole). What a thing of beauty, cheers Nick MONPK



Antenna specification - Base of antenna is 75mm diameter tube, tapering to 10mm diameter tube at the top

There are many multi-band vertical options out there. Most are shortened and make use of traps and coils in order to produce an SWR close to being acceptable to a modern transceiver. However, this does not make them effective or efficient radiators. The Vertigo 66V is optimised in length and mechanical design too in order to ensure you do not need to guy this antenna, it stands up by itself! Least visual impact means a happy partner and neighbours!

The InnovAntennas Vertigo 66V uses its whole length as a radiator on every band. An auto ATU placed at the base of the antenna (the only place an ATU should ever be) ensures that the antenna remains the only antenna in your system and not the coax too (as it would be if you use a radio-end ATU). Worst case scenario means you can use your rig ATU but for best results, the remote tuner is a must!

Benefits of a 66 foot radiator on 80m through 17m

The vertigo 66V is the best way to maximise your lower HF band DX experience in a small garden. While ground plane wires are best installed, the visual impact of this antenna (not having any guy ropes) is much less than say a horizontal wire which would need to be elevated above ground and have at least 2 supports. With the Vertigo 43V, you can mount at ground level without the detrimental impact of buildings and trees that you might expect on upper HF and VHF. Additionally, angle of radiation remains low (this means you hear and work DX!!) whereas with a horizontal wire you would need to have substantial height above ground to achieve the same. For example, if you were on 80m, your horizontal wire dipole would need to be over 60' (19m) above ground (this height varies with frequency)!!

How well will it work?

The Vertigo 66V will provide exceptional performance on **80m/60m/40m/30m/20m and 17m**. It will work on 15/12/10 and 6m also. However, while you may get a matched antenna and tune it on lower and higher bands, there are reasons why an antenna this size will not work as well on those bands. Keep in mind that performance is likely to still be far superior to shorter, coil/trapped verticals!

15m, 12m, 10m & 6m - At the length this antenna is, radiated angle on these bands starts to increase so although the antenna will work, the results will provide more 'local' results rather than serious DX ones!

The Vertigo 66V is in its own class for making DX on the lower bands from very compact garden lots.

The standard mounting arrangement will accept a 2" pole mount. Changes to this can be made upon request include specialist ATU mounting plates if required.

A 66' vertical is one of the best size compromises you can buy for the lower HF frequencies, period!

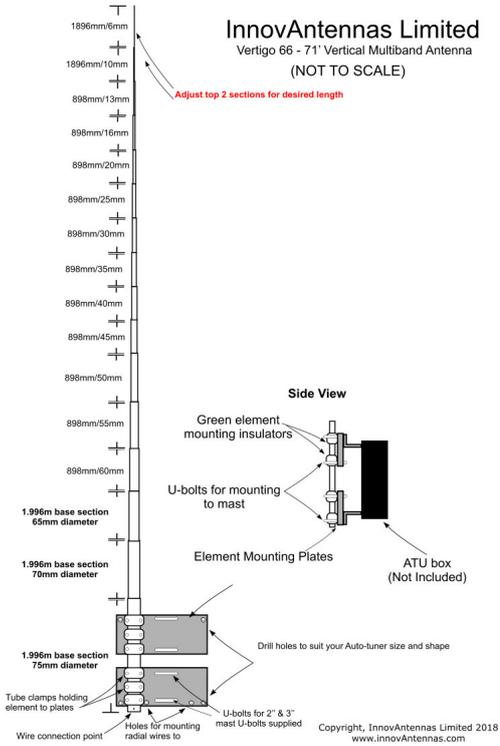
As with all our antennas, this antenna is built to last. **The antenna tapers from 75mm to 10mm** in order that forces transferred from the top of the antenna are absorbed through carefully sized sub-sections on the way down the antenna resulting in less likelihood of damage to the lower part of the antenna or base. The taper schedule has been computer optimised, not guessed!

66' HF Vertical antenna 60/40/30/20/17m bands

Our antennas are constructed with the best quality materials in order that the best mechanical construction can be achieved, not the cheapest and most profitable!

1. Marine grade Stainless Steel Fittings*
2. Original Stauff insulator clamps
3. Mill finished for highest levels of accuracy
4. Computer optimised electromagnetically and mechanically

If you are looking for the best of the best from both a performance and mechanical construction perspective then look no further, you have come to the right place!



NOTE: 3" U-bolts will handle a supporting mast up to 65mm diameter



A typical installation with MFJ tuner installed with optional ATU mount fitted (VertiGo 43V pictured)



Rear side and mounting arrangement with optional ATU mount fitted (VertiGo 43V pictured)



Joins are swagged for maximum strength Marine-grade Stainless Steel fixings used throughout

Customer Comment:

*"Just a few words about my 33ft vertical you supplied me 18-24mths ago before you started selling them..Its been a superb antenna and has held up in some very strong winds(70-80mph) here on the coast at Shoeburyness, Essex, UK.
I've installed about 30 radials on a base plate and have had some very nice contacts around the world, mostly 40m but works very well on 20m and not bad at all on 17m with ATU. The DES-pole takes care of high bands.
Keep up the fine work.*

*Kind regards
Wayne (MOWBK)"*

Performance

Angle of Radiation: 60m = 24 degrees, 40m = 24 degrees, 30m = 21 degrees, 20m = 16 degrees, 17m = 44 degrees

Maximum Power handling: 8KW (ATU limits power handling ability)

longest Section Length: 13m (43')

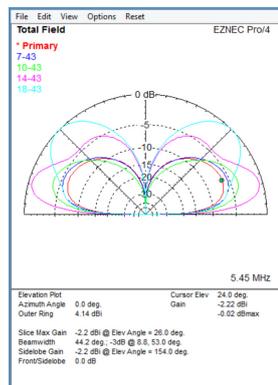
Weight: 14Kg including all base plates, U-bolts and mouting equipment

Wind Loading: 0.2 Square Metres / 1.6 Square feet

Wind Survival: 113KPH / 70MPH - unguyed

66' HF Vertical antenna 60/40/30/20/17m bands

Other options available if higher wind loading/survival is required.



Pattern overlays above per band. 5MHz is in Red and first on the list



Manufactured the right way, not the cheapest way!

*Where possible marine grade stainless steel components are used.