

HF Multiband Vertical Antenna Comparison
IW5EDI Simone Mannini. www.iw5edi.com

	Cushcraft R8	HyGain AV-640	Butternut HF6V	GAP Titan DX	Eco 7+
<i>Bands</i>	6,10,12,15,17,20,30,40	6, 10,12, 15, 17, 20, 30, 40	10, 15, 20, 30, 40, 80	10,12,15,17,20,30,40,80	10,12,15,17,20,30,40
<i>Gain</i>	3 dbi	n/a	n/a	n/a	n/a
<i>Ref. VSWR</i>	1,3	1,5	1,5	2	1,5
<i>Bandwidth</i>					
<i>80 mt</i>	-	-	40-100	100 Khz	-
<i>40 mt</i>	150	150	250-300	All band	All band
<i>30 mt</i>	50	175	All band	All band	250
<i>20 mt</i>	350	500	All band	All band	All Band
<i>17 mt</i>	100	500	-	All band	All Band
<i>15 mt</i>	450	500	All band	All band	All Band
<i>12 mt</i>	100	500	-	All band	All Band
<i>10 mt</i>	1500	1500	All band	All band	All Band
<i>6 mt</i>	1500	1500	-	All band	-
<i>Power rating</i>	1500 w	1500 w	2000 w PEP / 500 30m	2kW PEP SSB	1500 w PEP / 500 w 40m
<i>Ver. Radiation</i>	16 deg	17 deg	n/a	Ultra Low	n/a
<i>Hor. Radiation</i>	360 deg	360 deg	360 deg	360 deg	360 deg
<i>Height</i>	8,7 m / 28,5 ft	7,7 mt / 25,5 ft	7,9 mt / 26 ft	7,6 mt / 25 ft	7,2 mt / 25 ft
<i>Wind</i>	129 kph/ 80 mph	129 kph/ 80 mph	129 kph/ 80 mph	129 kph/ 80 mph	n/a
<i>Wind Surface</i>	2,5 sq/ft	2,5 sq/ft	2 sq/ft	n/a	n/a
<i>Weight</i>	10.5 kg / 23 lb	4,7 Kg / 10,5 lb	5,4 Kg / 12 lbs	11,3 / 25 lb	6,6 / 14,5 lb
<i>Ground required</i>	No	No	Yes	No	No
Avg Price Euro	670	450	430	430	290

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