

OB8-4M 8 Element 4 Band



The OB8-4M is an extremely effective, compact and innovative Yagi for the classical four bands 40, 20, 15 and 10m. It is the first trapless Yagi for this frequency spectrum in the world with a single 50 Ohm coaxial feed and with two powerful Moxon Rectangles integrated in its design to improve performance. A mechanically brilliant power house without compromise, the next level of antenna performance!

- usage of all advantages of the 2 element loaded Moxon Yagi for 40m, see OB2-40M
- on 20m a 2 element full size Moxon allows for outstanding gain and a super radiation pattern with extremely high F/B
- 2 fully resonant active elements on 15m are additionally enhanced by the 10m director in front which results in an increase of gain and an optimised radiation
- a driver-director combination on 10m already delivers higher gain and F/B ratio figures which are increased close to the values of a 3 element monobander due to additional positive effects of the 15m elements in the rear

OB8-4M	8 Element, 4 Band
Bands	40 / 20 / 15 / 10
Gain (dBd) *	3,5 / 4,2 / 4,4 / 4,9
Gain (dBi) **	10,7 / 11,4 / 11,6 / 12,1
F/B (dB)	18 / 25 / 20 / 28
VSWR	
40 m allgemeines setting:	
7,00 - 7,05 - 7,10 - 7,30	1,6 - 1,15 - 1,3 - 1,9
40 m USA phone setting:	
7,15 - 7,20 - 7,30	1,5 - 1,15 - 1,4
14,00 - 14,18 - 14,35	1,5 - 1,1 - 1,4
21,00 - 21,25 - 21,45	1,3 - 1,1 - 1,4
28,00 - 28,50 - 29,00	1,6 - 1,15 - 1,7
Elements (number)	8
Active Elements	2 / 2 / 2-3 / 2-3
Max. Element length (m)	10.52
Boom length (m)	6.1
Turning Radius (m)	6.12
Feed lines (number)	1 Coax 50 Ohm
Weight (kg)	50
Wind load at 130 km/h	970 N / 1,20 m ² / 13,0 feet ²
Price ***	2.219,00 EUR

* = average gain over dipole in free-space / for comparison: 2 el monobander 4 dBd, 3 el 5-6 dBd

** = average gain at 20m above ground (= dBd + 2.15 db isotropic + about 5 db ground reflection)

*** = outside EU minus 19% tax - subject to change

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