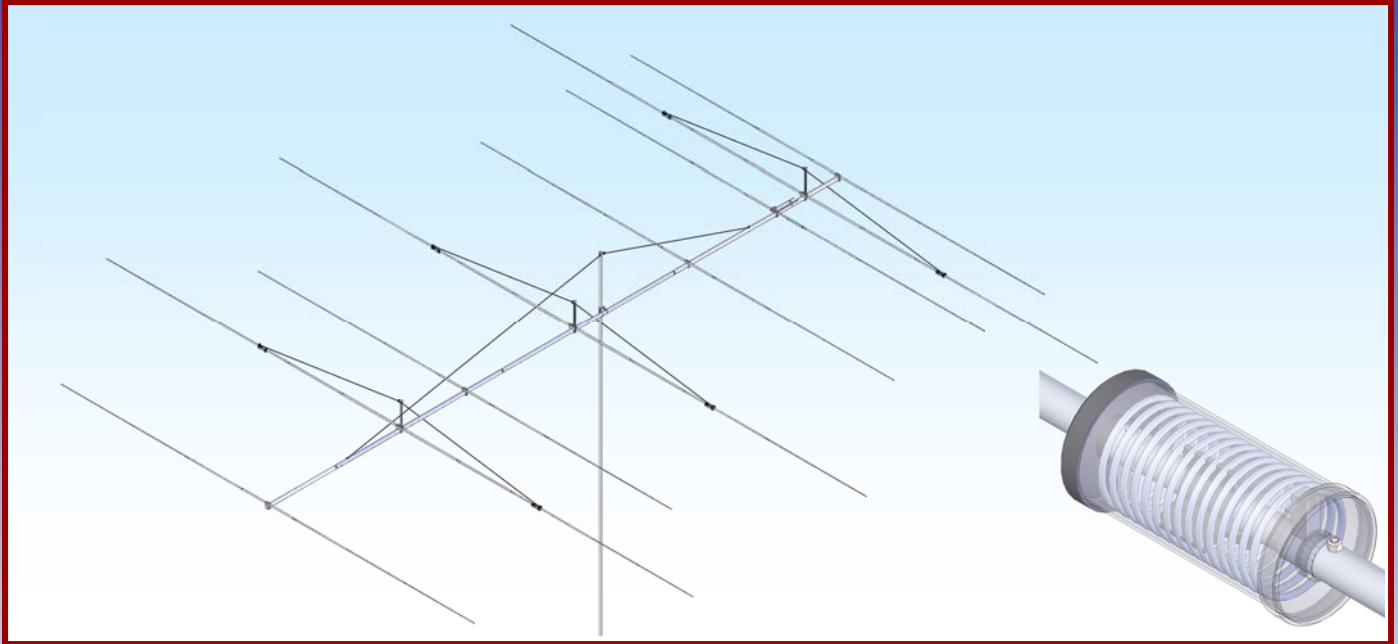




# M2 Antenna Systems, Inc. Model No: 40-20M-3-5 “The Cycle Buster”



## SPECIFICATIONS:

Model .....	40-20M-3-5	Input Connector .....	SO-239, Other avl.
40M Frequency Range.....	7.0-7.3 MHz X 150 kHz	Power Handling.....	3 kW, Higher avl.
20M Frequency Range.....	14.0-14.350 MHz	Boom Length / Dia .....	51' / 3.0 x .125 Wall
Gain.....	(40M) 6.6 / (20M) 10.7 dBi	40M Element Length / Dia. ....	51.5' / 1-1/2" to 1/2"
Front to back .....	(40M) 23 / (20M) 23 dB	20M Element Length / Dia. ....	36.5' / 1-1/4" to 1/2"
Beam .....	width	Turning Radius:.....	32.5'
.....	(40M) E=62° / (20M) E=50°	Stacking Distance .....	Call
Feed type .....	Hair pin match	Mast Size .....	2" to 3" Nom.
Feed Impedance. ....	50 Ohms Unbalanced	Wind area / Survival.....	20.5 Sq. Ft. / 100 MPH
Maximum VSWR.....	1.3:1 typ. 2:1 max	Weight / Ship Wt .....	170 Lbs. / 200 Lbs.

**\*Subtract 2.14 from dBi for dBd**

## FEATURES: For “The cycle buster”

The 40-20M-3-5 is a coil loaded 40 meter 3 element Yagi interlaced with a 20M 5 element Yagi. This antenna is the perfect package to bust the sun spot cycle. As the upper HF bands go quiet the lower bands will be the best for DX.

Mechanically all the elements are mounted between **1/2" thick**, machined aluminum clamp plates! The Driven elements are split and insulated with solid fiberglass rods and fed with a weather sealed 1:1 baluns. All the 40M elements use a UV protected covered air dielectric loading coil. The coil is made from 3/16" aluminum rod to reduce loss and keep the Q high, that reduces the overall element length, wind load, and turning radius. At the center of each 40M element a vertical riser and non-metallic Philistran element support cord helps reduce mechanical stress, and element droop. The result is a powerful package of clean mechanical design, quality materials, and outstanding performance. When choosing an antenna compare customer support, performance, construction and durability.... **You will find M2 is the choice and “The Cycle Buster” is NOT just another Yagi!!**

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