

HB9CV

MULTI BAND BEAMS

MAX. POWER TRANSFER AND EXCELLENT BAND WIDTH BY DUAL-DRIVE !!

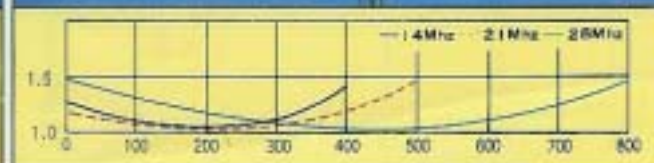
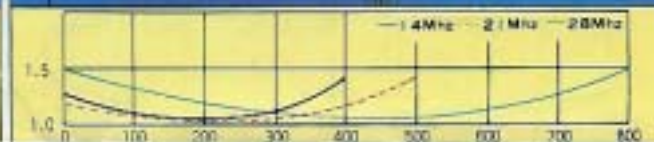
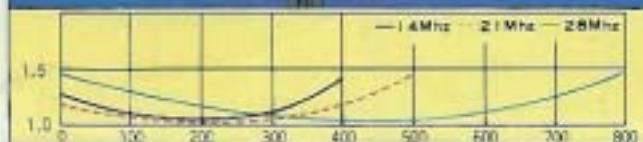
State of the art antenna technology. Designed to provide phone and CW operation with solid state transceivers without using an antenna tuner. Dual driven elements for maximum power transfer and broad bandwidth.

VSWR Bandwidth (1.5:1): 14.0-14.35, 21.0-21.45, 28.0-29.2 MHz. Typical 1.1:1 at resonance.

Highest quality materials throughout. All tubing 6061-T6 aluminum alloy. Stainless steel fasteners for all electrical connections. Tubing is cut and drilled to precision tolerances for easy assembly.

Superior performance when compared against conventional yagi designs. (Call factory for gain dBd and front to back ratio.) All elements active on all bands. No unused elements. Light weight and low wind area for simpler installation.

MODEL	HB35C	HB34D	HB35T	HB-33sp	HB-32sp	HB-43sp	HB-42sp	HB2864
Band	14/21/28MHz	14/21/28MHz	14/21/28MHz	14/21/28MHz	21/28MHz	14/21/28MHz	21/28MHz	50/144MHz
Element	5	3/4	4/5	3	3	4	4	4/8
Gain	10/10/10dB	10/12/11dB	10/13/12.5dB	8.5/8.5/10dB	9.5/10dB	10/10/11dB	10/11dB	10/12dB
F/D Ratio	25dB	22dB	23dB	20dB	20dB	22dB	23dB	20dB
V.S.W.R	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Power P.	3KWpep	3KWpep	3KWpep	2KWpep	2KWpep	2KWpep	2KWpep	250Wpep
Impedance	50ohm	50ohm	50ohm	50ohm	50ohm	50ohm	50ohm	50ohm
Element L.	10.0m	8.4m	8.4m	8.0m	6.1m	6.0m	6.1m	2.90m
Boom L.	4.0m	6.0m	6.0m	4.0m	3.0m	6.0m	5.0m	3.0m
Weight	21kg	19.5kg	22.5kg	13.5kg	8.5kg	17.5kg	14.5kg	3.2kg
Price								

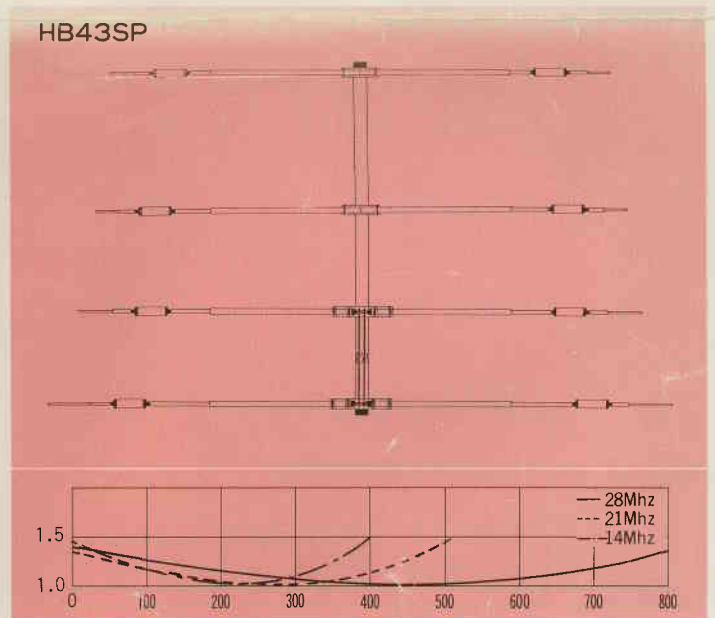
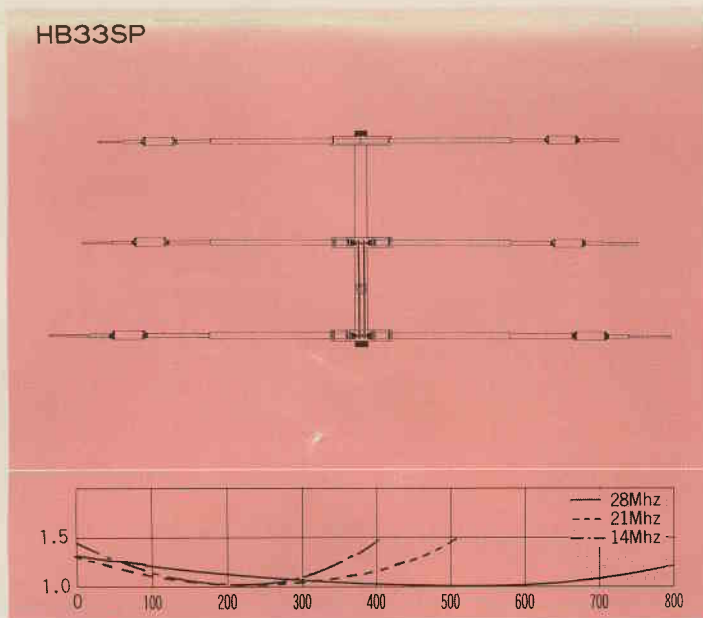
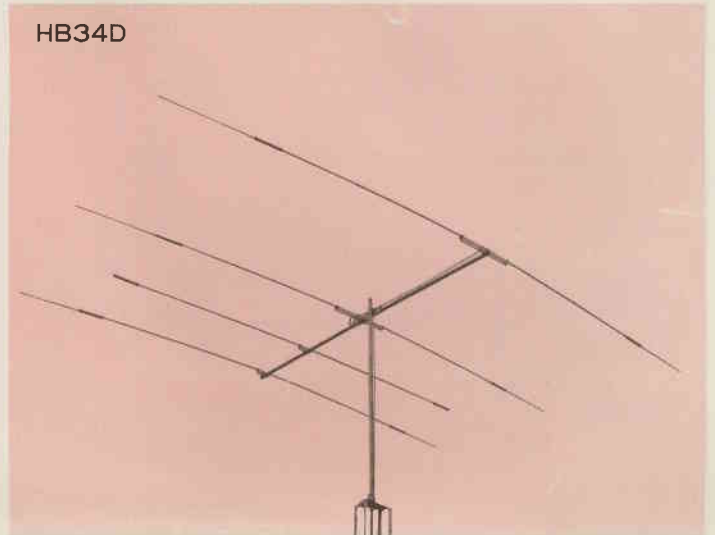


HB9CV SUPER MULTI BAND SERIES

TET has successfully combined the high performance HB9CV Dual Drive concept with the convenience of the multiband array. Seven models are featured, all employing phased feeding to both the Radiator and Reflector. Special feeding system is provided at both driven elements, resulting in extremely flat VSWR characteristics across a wide frequency range.

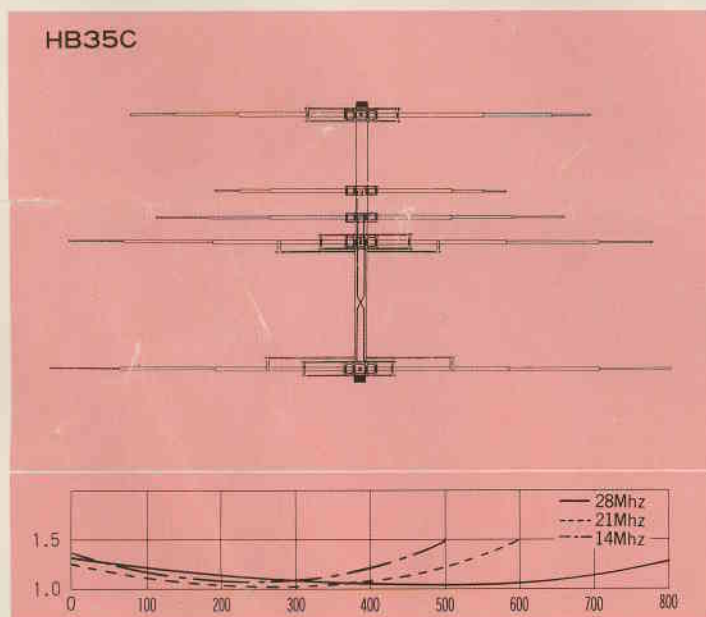
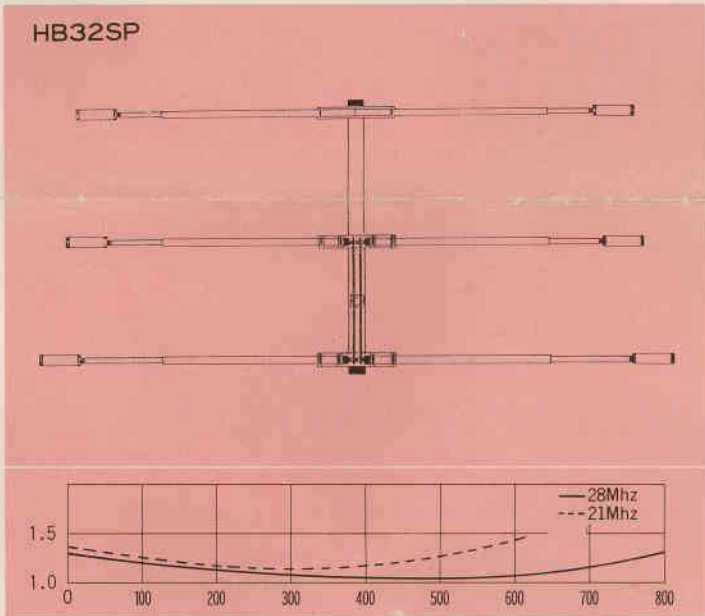
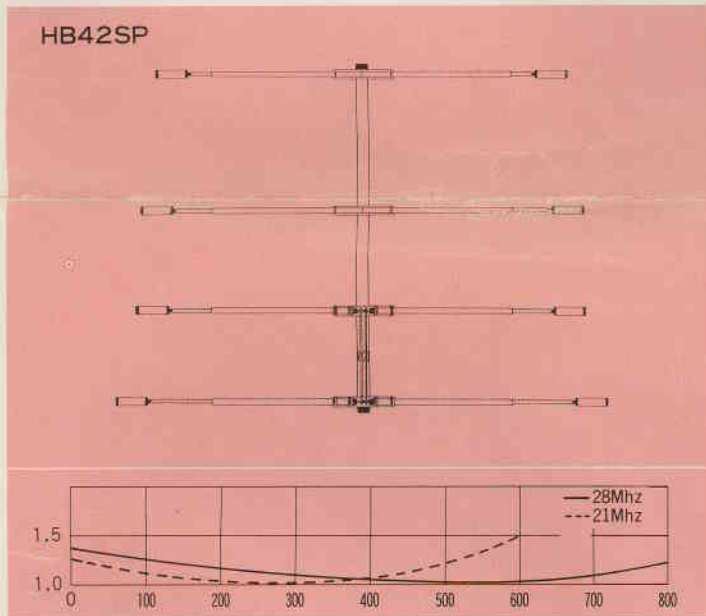
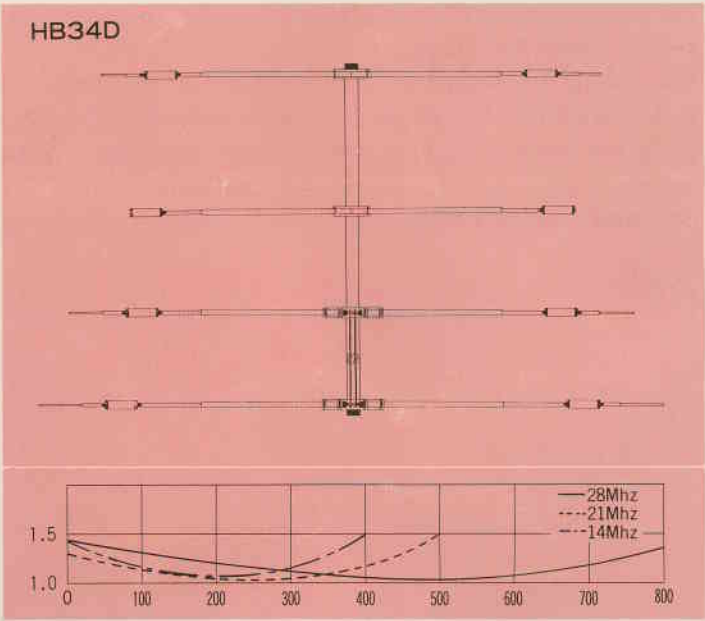
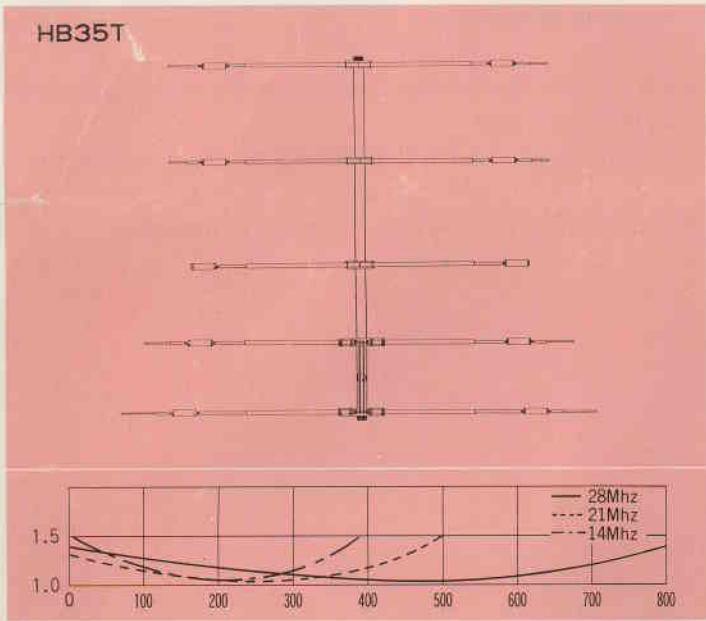
Representative VSWR vs frequency curves are shown for each model. Broad band operation permits use of solid state transceivers for phone and CW operation without using an antenna tuner.

Only the highest quality materials are used throughout. All aluminum tubing is 6061-T6 alloy. Stainless steel fasteners are provided for all electrical connections. Tubing is cut and predrilled to precision tolerances for easy one afternoon assembly. Lightweight and low wind area designs permit use of simpler support structures.



	HB35C	HB34D	HB35T	HB-33SP	HB-32SP	HB-43SP	HB-42SP
Band	14/21/28Mhz	14/21/28Mhz	14/21/28Mhz	14/21/28Mhz	21/28Mhz	14/21/28Mhz	21/28Mhz
Element	5	3/4/4	4/5/5	3	3	4	4
Gain	10/10/10dB	10/12/11dB	10/13/12.5dB	8.5/8.5/10dB	9.5/10dB	10/10/11dB	10/11dB
F/B Ratio	25dB	22dB	23dB	20dB	20dB	22dB	23dB
V.S.W.R.	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Power R.	3KWpep	2KWpep	2KWpep	2KWpep	2KWpep	2KWpep	2KWpep
Impedance	50ohm	50ohm	50ohm	50ohm	50ohm	50ohm	50ohm
Element L.	10.6m	8.4m	8.4m	8.0m	6.1m	8.0m	6.1m
Boom L.	4.0m	5.0m	7.5m	4.0m	3.0m	6.0m	5.0m
Turning Radius	5.7m	4.89m	5.56m	4.59m	3.42m	5.08m	3.95m
Wind Surface Area	1.04m ²	0.61m ²	0.75m ²	0.46m ²	0.39m ²	0.62m ²	0.51m ²
Wind Load(EIA STD.80MPH)	104.0kg	61.0kg	75.0kg	46.0kg	39.0kg	62.0kg	51.0kg
Weight	22.6kg	18.1kg	24.4kg	14.1kg	12.4kg	19.4kg	17.5kg

HB9CV SUPER MULTI BAND SERIES



HB33SP

3 Element compact triband beam for 20, 15 and 10 meters. High performance in a lightweight design.

HB34D

Slightly larger than the HB33SP with one additional element for 15 and 10 meters. Strong performance from a mid-sized package. Will outperform most larger arrays of conventional design.

HB43SP

Big signal performance with a full four active elements on each band. Designed specifically for the serious DX'er without the need for a heavy duty tower or rotator.

HB35T

The ultimate in multiband antenna performance. Five active elements for 15 and 10 meters, four elements for 20 meters-Dual Drive, broad band operation at its best.

HB35C

A linear tuned high performance triband array at an affordable price. All tuning hardware is factory assembled and centrally located near the boom, resulting in fast accurate assembly and high reliability. Full sized elements provide uncompromised performance on all three bands.