

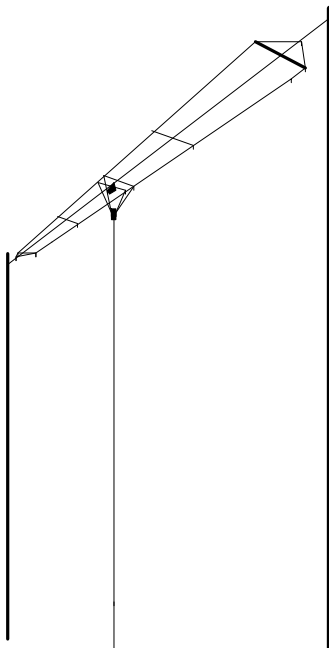
M O O N R A K E R



Type HF FD 2-30 1kW PEP

High Power HF folded dipole broadband base station antenna

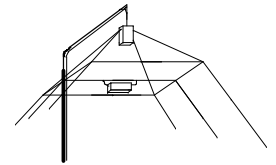
Designed as an efficient HF broadband base station system for short to medium range communications without the need for an antenna coupler.



horizontal

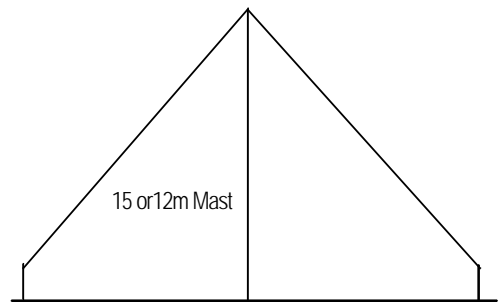
The HF FD 2-30 1kW PEP antenna system is easily erected in either a horizontal configuration between two towers or masts (not supplied) or in the space saving *inverted v* configuration from a single tower or mast, with a horizontal support stand-off, gibbet, at the top.

The antenna is rated at 1kWPEP or 250W CW. The radiating elements are of heavy duty stainless steel wire rope for strength and long life, even in corrosive atmospheres. The fittings and connections are of stainless steel with high quality insulators. Spreaders are of heavy duty UV stabilised material.



Internal antenna components are completely encapsulated or enclosed for protection from the environment.

The system provides efficient communications over the MF/HF range from 2.0 to 30 MHz with low (typically <2.0:1) SWR as measured at the input to 30m coaxial feeder.



Inverted V

SPECIFICATIONS

Frequency Range	2-30 MHz full version; 3-30 MHz compact version
Impedance	50 Ω (nominal)
VSWR	Typically <2.0:1 across the frequency range, as measured at the input to 30m coaxial feeder
Power Capability	1kW PEP, 200W CW (continuous)
Connection	Via coaxial cable (not supplied) to N Type socket on balun box
Antenna Lengths	Radiator: 50m (167ft) full version or 30m (98ft) compact version
Recommended Mast/Tower Height	Mast/tower: 50m full version 12-15m (40-50ft); 30m compact version 9-12m (30-40ft); 9m (30ft) minimum; two required for horizontal configuration. Horizontal support gibbet (for inverted V) 800mm (2.6ft) out from top of mast.
Mast/Tower Spacing	Horizontal: 50m/15m Mast 52m (170 ft) minimum; 30m/12m Mast 32, (105ft); Inverted V: 50m/15m Mast 44m (144ft); 30m/12m Mast 22m (72ft)
Gain (peak)	Better than 5dBi
Wind Rating	240 km/h (150 mph), higher ratings available
Packed Weight	14 kg (30.8 lbs), cubic weight 10kg (22 lbs)
Packed Size	1 x 167 x 21 x 17 cm (65.8 x 8.3 x 2.5 ins) 1 x 50 x 25 x 10 cm (19.7 x 9.8 x 3.9 ins)

Specifications subject to change 9/08

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