

M O O N R A K E R

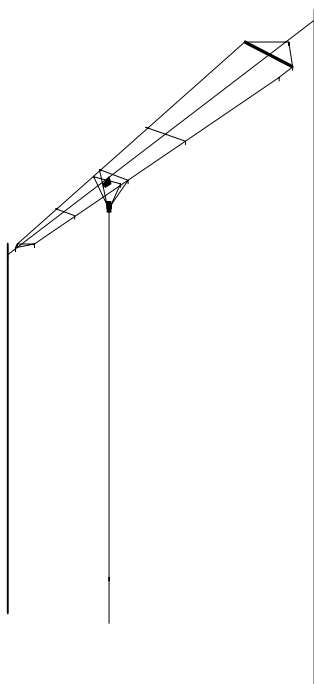


Type HF FD 2-30 1kW

High Power HF folded dipole broadband base station antenna

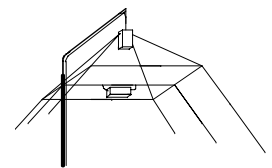
Designed as an efficient HF broadband base station system for short to medium range communications without the need for an antenna coupler.

The HF FD 2-30 1kW CW 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.



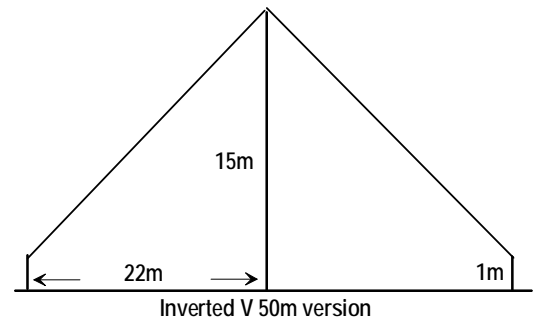
horizontal

The antenna is rated at 1kW continuous power or 2kW PEP. 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 <2.5:1) SWR as measured at the input to 30m coaxial feeder.



SPECIFICATIONS

Frequency Range	2-30 MHz full version
Impedance	50 Ω (nominal)
VSWR	TYPICALLY <2.5:1 across the frequency range (maximum 3.5:1, depending on installation), as measured at the input to 30m coaxial feeder
Power Capability	1kW CW (continuous), 2kW PEP
Connection	via coaxial cable (not supplied) to N Type socket on balun box
Antenna Lengths	Radiator: 50m (167ft)
Recommended Mast/Tower Height	Mast/tower: 12-15m (40-50ft); two required for horizontal configuration.
Mast/Tower Spacing	Horizontal support gibbet (for inverted V) 800mm (2.6ft) from top of mast. Horizontal: 15m Mast 52m (170 ft) minimum; Inverted V: 15m Mast 44m (144ft)
Gain (peak)	Better than 5dBi
Wind Rating	240 km/h (150 mph), higher ratings available
Packed Weight	18 kg (39.6 lbs)
Packed Size	1 x 166 x 21 x 16 cm (65.4 x 8.3 x 6.3 ins) 1 x 44 x 41 x 30 cm (17.3 x 16.1 x 11.8 ins)

Specifications subject to change 9/05

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