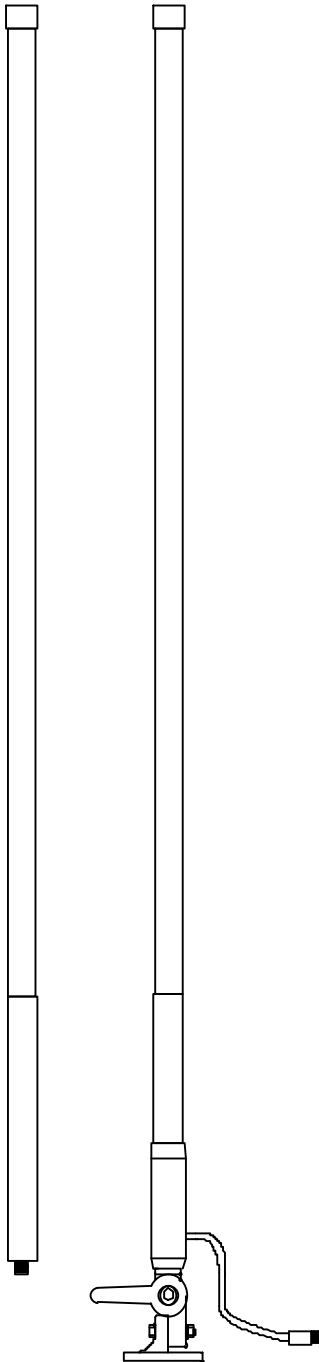




MOONRAKER

Type CL3

UHF collinear system for extended range



The Type CL3 is a high gain, high strength, vertically polarised ground independent collinear antenna designed for use in the marine mobile and fixed land environments.

The internal radiating elements consist of a series fed array of 1/2? stacked dipoles optimised for omnidirectional low angle radiation and consistent high gain across the usable frequency range.

The antenna is fully marinised, DC grounded, and is encapsulated within a heavy duty coated fibreglass radome, with a marine grade, low corrosion, tempered aluminium alloy mounting tube providing a high degree of strength. It is fully protected by a high durability epoxy based coating resistant to chemical attack, abrasion and the effects of ozone and ultra-violet radiation, which ensures and long operational life. Standard colour is black (other colours on request).

It can be supplied for side or base mounting or with a rugged multi - angled swing down mount. Connection is via an N type connector in the base when sidemounted or via a short coaxial cable and N connector when base or swingdown mounted.

Specifications

Frequency Range	Factory tuned within the range 390 to 520 MHz.
VSWR	<1.5:1 for 10 MHz. Bandwidth
Impedance	50 ohms (nominal)
Gain	5+ dBi (3+ dBd.).
Connection	N type (F) connector in base (sidemount version); 5m coaxial cable with N type (m) connector base and swingdown versions.
Length	1.5 Metres maximum (dependent upon frequency)
Power	100 watts CW
Mountings	Either by heavy duty stainless steel mounting clamps (available) to mast or rail; nylon swingdown mount adjustable in both planes (1" thread); or base mounted via 12mm metric bolt (not supplied).
Packed weight	3 Kg. (6.6 lbs.)

Specifications subject to change 06/11

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