



## CXL 3-3C

### Sturdy 3 dBd Gain Base Station Antenna for the air Band

CXL 3-3C is a sturdy, 3 dBd, vertically polarized, omnidirectional base station antenna, which covers the air band.

The antenna is provided with our "C" mast bracket, which is a universal, epoxy-coated mounting bracket made of non-corrosive aluminium. The accompanying U-bolts and fittings are made of stainless steel.

The antenna can be mounted on 27 to 65 mm dia. mast tubes and it is possible to lead the cable either along the inside or on the outside of the mast tube.

## DESCRIPTION

The phasing of the radiating elements is carefully adjusted to yield maximum gain in the horizontal plane, with the level of the sidelobes reduced to a minimum. Special emphasis has been laid on obtaining a large bandwidth both in relation to SWR and gain.

The broad-banded antenna element is completely enclosed in a glass fibre shroud, which will ensure performance undisturbed by corrosive environments.

To substantially reduce noise caused by atmospheric discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.

This antenna is constructed to ensure long dependable service in all climates.

## ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 3-3C	100000079

MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTOR	N-female
WIND SURFACE	0.12 m²
WIND LOAD	152 N @ 160 km/h / 99 mph
MAX. WIND SPEED	200 km/h / 125 mph
COLOUR	Marine white
MATERIALS	Radome : Polyurethane-coated glass fibre Mast clamp : Seawater resistant aluminium, epoxy-coated
TOTAL HEIGHT	Approx. 2.3 m
WEIGHT	Approx. 3.6 kg
MOUNTING	On 27 - 65 mm dia. mast tube

## SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 3-2C
ANTENNA TYPE	Coaxial, broad-band dipole
FREQUENCY	110 - 140 MHz
IMPEDANCE	Nom. 50 $\Omega$
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	2 dBi 0 dBd
BANDWIDTH	30 MHz
SWR	$\leq 1.6$
MAX. POWER	500 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)

