

CXL 3-2C

Sturdy, Unity-Gain, Omnidirectional Base Station Antenna for the International Aircraft Band

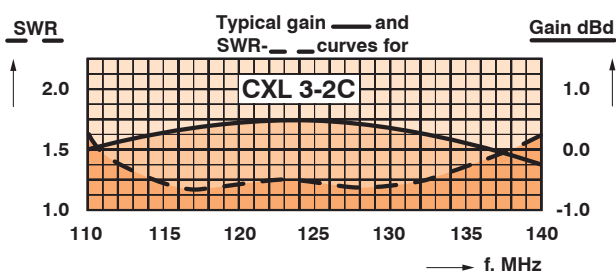
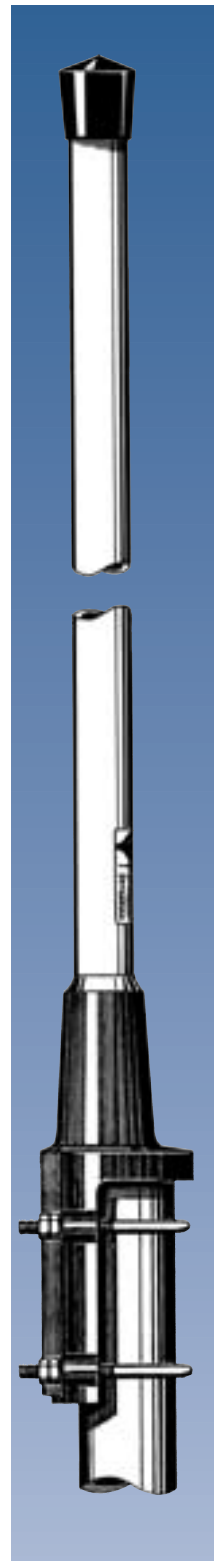
PROCOM

DESCRIPTION:

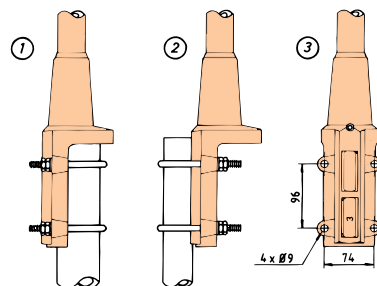
- ★ CXL 3-2C is a sturdy, 0 dBd, vertically polarised, omnidirectional base station antenna for the 110-140 MHz civil aircraft band.
- ★ CXL 3-2C is extremely broad-banded – and it is most suitable for use on control towers etc., where reliability is of the utmost importance.
- ★ The antenna is provided with our heavy-duty type “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.
- ★ To substantially reduce noise caused by atmospherical discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- ★ The broad-banded antenna element is completely enclosed in a glassfiber shroud, which will ensure undisturbed performance by corrosive environments.
- ★ CXL 3-2C is constructed to ensure long dependable service in all climates.

SPECIFICATIONS:

ELECTRICAL	
MODEL	CXL 3-2C
ANTENNA TYPE	Coaxial, broad-band dipole
FREQUENCY	110-140 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARISATION	Vertical
GAIN	2 dBi 0 dBd
BAND WIDTH	30 MHz
SWR	≤ 1.6
MAX. POWER	500 watts
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	0.12 m ²
WIND LOAD	152 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Radome : Polyurethane-coated fiberglass 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



MULTI-PURPOSE MOUNTING BRACKET:



- ① Mast tube D_i, min. = 32 mm
Mast tube D_o, max. = 65 mm
- ② Mast tube D_o, max. = 42 mm
Mast tube D_i, min. = 27 mm

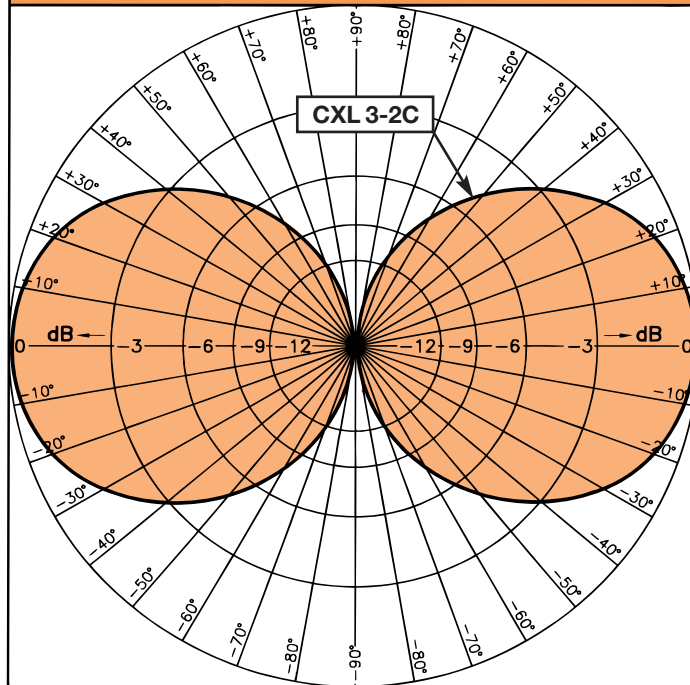
PROCOM A/S reserve the right to amend specifications without prior notice.

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TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)

