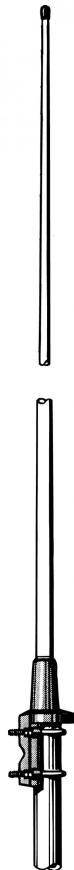


CXL 230-3LW/DAB

Lightweight, 3 dBd Base Station and Marine Antenna for the DAB Band

DESCRIPTION

- CXL 230-3LW/DAB is a vertically polarised, omnidirectional base station and marine antenna, which covers the DAB (Digital Audio Broadcast) Band.
- Approximately 3 dBd gain.
- Provided with the sturdy "LW" mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- The accompanying U-bolts and fittings are made of stainless steel.
- To be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter.
- The cable can be led either on the outside or along the inside of the mast tube.
- Large bandwidth with respect to both SWR and gain.
- The phasing of the radiating elements is adjusted to yield maximum gain in the horizontal plane, with the level of the sidelobes reduced to a minimum.
- The carefully designed, broad-banded antenna element is sealed in a high-quality conical glass fibre tube with low wind-load, which will ensure performance undisturbed by corrosive environments.
- All metal parts in the antenna are DC-grounded to reduce the noise caused by atmospherical discharge. Consequently, the antenna shows a DC-short across the coaxial cable.
- The CXL 230-3LW/DAB is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



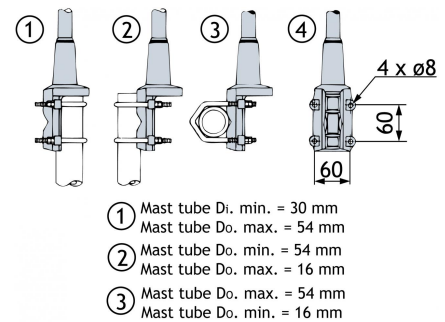
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
CXL 230-3LW/DAB	110000115

SPECIFICATIONS

ELECTRICAL	
MODEL	CXL 230-3LW/DAB
ANTENNA TYPE	Broad-banded collinear antenna
FREQUENCY	223 - 240 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARIZATION	Vertical
GAIN	5 dBi 3 dBd
HALF POWER BEAMWIDTH	30°
BANDWIDTH	17 MHz
SWR	< 1.5
MAX. POWER	150 W
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30° C → +70° C
CONNECTOR	N-female
WIND SURFACE	0.0461 m ²
WIND LOAD	59 N @ 160 km/h
COLOUR	Marine white
MATERIALS	Shroud: Polyurethane-coated glass fibre Mounting bracket: Seawater resistant aluminium, epoxy-coated Clamps: Stainless steel
TOTAL HEIGHT	Approx. 2.05 m
WEIGHT	Approx. 1.3 kg
MOUNTING	On 16 to 54 mm dia. mast tube

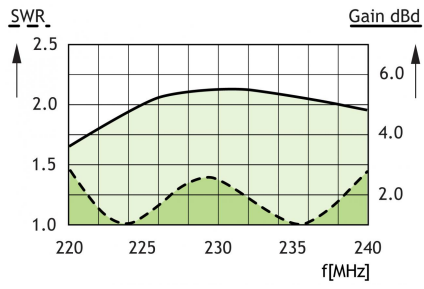
MULTI-PURPOSE MOUNTING BRACKET



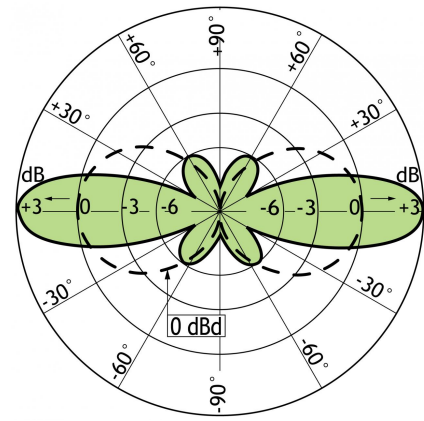
PLEASE NOTE

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.

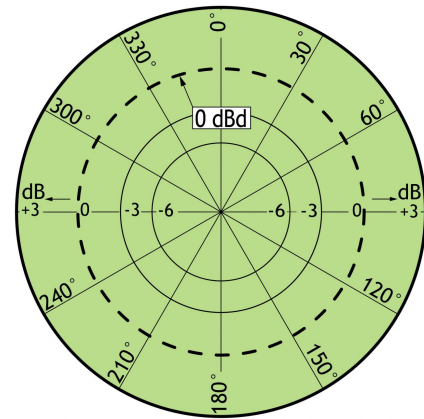
TYPICAL GAIN AND SWR CURVES



TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.
03/12/13