Datasheet

BY900-XG

LTE 900 MHz Yagi Antenna Series

BY900-XG is a family of LTE 900 MHz Yagi Antennas

- Low Loss and Wideband Gamma match.
- Radiating elements, supporting booms and adjoining metal castings are constructed ٠ in high quality aluminum to prevent corrosion.

ELECTRICAL SPECIFICATIONS

Antenna Type	BY90-10G: 10-element Yagi Antenna BY90-12G: 14-element Yagi Antenna BY90-15G: 15-element Yagi Antenna
Frequency	870 - 960 MHz
Bandwidth	90 MHz
Impedance	50 Ohm
VSWR	<1.5:1
Polarisation	Linear (Vertical or Horizontal)
Gain	BY90-10C: 10 dBd, 12.15 dBi BY90-12C: 12 dBd, 14.15 dBi BY90-15C: 15 dBd, 17.15 dBi
Half-Power Beamwidth	BY90-10G: E-Plane: 42°, H-Plane: 48° BY90-12G: E-Plane: 32°, H-Plane: 34° BY90-12G: E-Plane: 26°, H-Plane: 28°
Front-To-Back Ratio	>18 dB
Max. Input Power	150 Watt





SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

Scan-Antenna®

Datasheet

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)	
Dimensions	BY90-10G: 850 x 240 mm BY90-12G: 1250 x 240 mm BY90-15G: 1400 x 210 mm	
Weight	BY90-10G: 1.5 kg BY90-12G: 1.8 kg BY90-15G: 2.3 kg	
Mount Type	Fixed Tube Bracket in Galvanized Iron (included)	
Mounting Place	On tube (Ø 20 - 50 mm, vertical or horisontal)	
Survival Wind Speed	55 m/s	
Materials	Aluminum 6063-T5, PP and Brass	
Connector	Type N-female	
Pigtail	Approx. 0.5 m RG213/U	
Serial Number	On product label	

ORDERING INFORMATION

BY90-10G	10 dBd, 12.15 dBi In Box
BY90-12G	12 dBd, 14.15 dBi In Box
BY90-15G	15 dBd, 17.15 dBi In Box

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.