620-3AN

COMMANDER Omni Fiberglass Antenna, 150.5-158.5, 7.4dBi, N Female

Please visit us on the internet at <u>http://www.commandertech.com</u>

Product Description

Commander VHF base Station Antennas incorporate the design features of 9 MHz broadband capability, improved lightning protection and true omnidirectional gain in excess of 5 dBd Note: Below 150 MHz, rated gain is 4.8 dBd due to length constraints. Side mounting hardware is available for the 620 to achieve special radiation patterns.

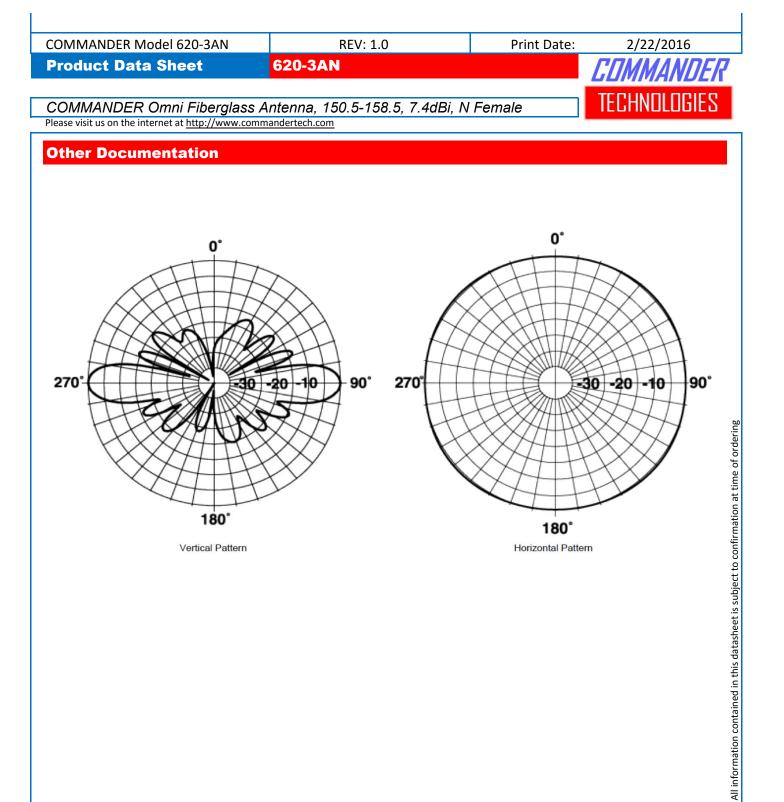
220 Series

TECHNOLOGIES

Features/Benefits

Fiberglass construction protects radiating elements in corrosive environments. DC grounded - affords lightning protection Copper radiating elements minimize possibility of intermod generation

Horizontal PatternOmni DirectionalAntenna TypeFiberglass OmniElectrical Down Tilt OptionFixedSain, dBi (dBd)7.4 (5.3)Frequency Range, MHz150.5 - 158.5Connector TypeN FemaleConnector LocationBottomMounting TypeFixedElectrical Down Tilt, deg0OrientationUprightMounting Hardware346 Clamp SetRated Wind Speed, km/h (mph)160 (100)Gain (Omni), dBi (dBd)7.39 (5.25)VSWR< 1.6 : 1Vertical Bearwidth, deg18PolarizationVerticalMaximum Power Input, W500Lightning ProtectionDirect Ground3rd Order IMP @ 2 x 43 dBm, dBc-130Owerall Length, m (ft)6.31 (20.7)Element Housing Length, m (ft)5.67 (18.6)Mounting Pipe Diameter, m (in)0.09 (3.5)Support Pipe Length, m (ft)3.66 (2.83)Meeight, kg (lb)24.1 (53)Radid Wind Speed, km/h (mph)200 (125)Benent Housing Arean an ² (ft ²)0.221 (2.38)Support Pipe Length, m (ft)229 (953)Mixt Loading Area m ² (ft ²)0.221 (2.38)Support Pipe MaterialFiberglassSupport Pipe Material600 × 3.94 × 3.94)Packing Dimensions, HxWxD, m (in)640 × 1.0 × 0.1 × 0.1 × 0.3 × 0.33)Shipping Dimensions, MxWD, m (in)640 × 0.1 × 0.1 (21 × 0.33 × 0.34)Shipping Dimensions, fxWxD, m (ft)64 × 0.1 × 0.1 (21 × 0.33 × 0.34)	Technical Specifications		
Antenna TypeFiberglass OmniElectrical Down Tilt OptionFixedGain, dBi (dBd)7.4 (5.3)Frequency Range, MHz150.5 - 158.5Connector TypeN FemaleConnector LocationBottomMounting TypeFixedElectrical Down Tilt, deg0O'rientationUprightMounting Type346 Clamp SetRated Wind Speed, km/h (mph)160 (100)Gain (GBd)7.39 (5.25)VSWR< 1.6 : 1Vertical Beamwidth, deg18PolarizationVerticalMaximum Power Input, W500Lighthing ProtectionDirect Ground3rd Order IMP @ 2 x 43 dBm, dBc-130Orreal Length, m (ft)6.31 (20.7)Element Housing Length, m (ft)5.67 (18.6)Mousing Pipe Diameter, m (in)0.09 (3.5)Support Pipe Length, m (ft)5.67 (18.6)Mousing MaterialCopperElement Housing MaterialCopperElement Housing MaterialCopperElement Housing MaterialCopperSupport Pipe MaterialAluminum AlloyMax Wind Loading Area m ² (ft ²)0.221 (2.38)Survival Wind Speed, km/h (mph)200 (125)Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft 10)423 (95)Shipping Dimensions, HxWxD, m (in)640 x 10 x 100 x 100 (251.96 X 3.94 X 3.94)Packing Dimensions, HxWxD, m (int)640 x 10 x 0.12 (12.0.33 x 0.33)Shipping Dimensions of Accessory, HxWAD, m (ft)Packed with Antenna	Frequency Band	25-299.9 MHz	
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Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)1292 (953)Wind Load - Side @ Rated Wind, N (lbf)423 (95)Shipping Weight, kg (lb)34 (75)Packing Dimensions, HxWxD mm (in)6400 x 100 x 100 (251.96 X 3.94 X 3.94)Packing Dimensions, HxWxD, m (ft)6.4 x 0.1 x 0.1 (21 x 0.33 x 0.33)Shipping Dimensions of Accessory, HxWxD, m (ft)Packed with Antenna	Max Wind Loading Area m ² (ft ²)	0.221 (2.38)	
Bend Mom @ Rated Wind 1" Below Top of Mt Pipe, N m (ft lbf)1292 (953)Wind Load - Side @ Rated Wind, N (lbf)423 (95)Shipping Weight, kg (lb)34 (75)Packing Dimensions, HxWxD mm (in)6400 x 100 x 100 (251.96 X 3.94 X 3.94)Packing Dimensions, HxWxD, m (ft)6.4 x 0.1 x 0.1 (21 x 0.33 x 0.33)Shipping Dimensions of Accessory, HxWxD, m (ft)Packed with Antenna	Survival Wind Speed, km/h (mph)		
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Shipping Dimensions of Accessory, HxWxD, m (ft) Packed with Antenna	Packing Dimensions, HxWxD mm (in)	6400 x 100 x 100 (251.96 X 3.94 X 3.94)	
	Packing Dimensions, HxWxD, m (ft)	6.4 x 0.1 x 0.1 (21 x 0.33 x 0.33)	
Shipping Mode Common Carrier	Shipping Dimensions of Accessory, HxWxD, m (ft)	Packed with Antenna	
	Shipping Mode	Common Carrier	



COMMANDER Model 620-3AN	REV: 1.0	Print Date:	2/22/2016