

# COMTELCO

## Technical Specification

## BS150XL3

### 144-174 MHz 3dBd Gain

### BASE STATION ANTENNA

**Reliable Performance:** Rated at 250 watts and 3 dB gain, you can expect years of continuous service.

**Rugged Construction:** The radiating elements are supported internally and constructed of copper alloy. They are welded and/or soldered to prevent any intermodulation. They are then encased in a fiberglass radome for total environmental protection.

**Weatherproof:** The fiberglass radome is ultraviolet inhibited. The heavy wall aluminum mounting sleeve is epoxy coated for superior weather protection.

**Lightweight:** These antennas are lightweight at less than 8 lbs. but are designed to easily withstand winds of over 100 MPH.

**Simple installation:** Using the optional BSMNT2 mounting kit, installation takes only minutes.

#### ELECTRICAL SPECIFICATIONS

Part No.	Frequency
BS150XL3-A	144-150MHz
BS150XL3-B	150-156MHz
BS150XL3-BC	153-159MHz
BS150XL3-C	156-162MHz
BS150XL3-D	162-168MHz
BS150XL3-E	168-174MHz
<b>GAIN:</b>	3 dBd
<b>VSWR:</b>	<1.5:1
<b>BANDWIDTH:</b>	6 MHz
<b>POWER RATING:</b>	250 watts
<b>IMPEDANCE:</b>	50 ohms
<b>VERT BEAMWIDTH:</b>	40 degrees

#### MECHANICAL SPECIFICATIONS

<b>RADIATOR:</b>	White UV inhibited fiberglass radome sealed internal copper elements
<b>MOUNTING SLEEVE:</b>	Heavy wall epoxy coated aluminum
<b>TERMINATION:</b>	Type N female connector
<b>SLEEVE DIAMETER:</b>	1.35"
<b>LENGTH:</b>	96" Maximum
<b>WEIGHT:</b>	6 lbs.
<b>FLAT PLATE AREA:</b>	.44 ft <sup>2</sup>
<b>WIND RATING:</b>	125 MPH
<b>LATERAL THRUST:</b>	29.7 lbs.



Vertical Pattern

