222-B

420" (10.6 M) SSB SHIPBOARD ANTENNA w/STEEL BASE | 1.8-30 MHZ

Shakespeare® 222-B is a heavy-duty, 35 ft (10.6 m) SSB shipboard antenna engineered for reliable, high-performance communications across the 1.8–30 MHz frequency range. With a high wind rating of up to 125 mph (201 km/h), and rugged, two-section fiberglass construction with embedded copper conductors, this antenna delivers exceptional strength, corrosion resistance, and durability in demanding marine environments.

222-B features stainless steel fittings, acrylic-coated fiberglass, and a galvanized steel base. Its side-fed design allows direct deck or platform mounting without the need for porcelain insulators. The brass corona top cap eliminates corona at high power levels.

SPECIFICATIONS:

ELECTRICAL

FREQUENCY RANGE:	1.8 - 30 MHz
DIPOLE / RADIATION PATTERN:	Omnidirectional
INSTANTANEOUS BANDWIDTH:	28.2 MHz (Needs Tuner)
POLARIZATION:	Vertical
INPUT IMPEDANCE:	50 OHMS Nominal
POWER:	5 kW (avg.)
VSWR:	1.75:1 or Less

MECHANICAL

HEIGHT:	420" (10.6 m)
WEIGHT:	65 lbs. (29.4 kg)
WIND RATING:	125 MPH (201 km/h)
COLOR:	White
OPERATING TEMPERATURE	–58°F (-50°C) to 149°F (65°C)

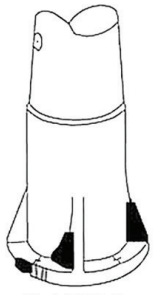


INCLUDES:

- Bolt Hole Pattern: 4 ea. 21/32" dia. Mounting Holes on 6" dia. BHC, for 5/8" mounting bolts (not supplied)
- Feed Point: Side feed point 32" above mounting surface 5/16"-24 female, 1/2" deep. Feed point adapter with corona shield for soldering transmission line supplied.
- Corona Ball: Acrylic coated brass
- Conductors: Copper alloys
- Fittings: Type 303 stainless steel
- Flange: Max. Dia. 7.625"
- Material: Galvanized ductile iron
- Base Flash Over: 25,000 volts

Wind Load and Deflection Data
Model 222-B

Wind MPH	Tip Deflection Inches	Moment at Base in. lbs.
75	98	12,100
100	108	18,200
125	104	27,500



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SIDE FEED DETAIL

NSN # 5985010521273