

World's Leading Manufacturer Of Fibreglass Whip Antennas



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# 18Ft Aluminum Whip Antenna AS-3770B/U

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NSN 5985-01-383-8506

THE AS-3770B/U 18 FOOT ALUMINUM WHIP TRANSMITTING/RECEIVING ANTENNA IS DESIGNED AND BUILT TO MEET THE US NAVY REQUIREMENTS FOR SHIPBOARD ANTENNAS. THE ANTENNA MEETS MIL-S-901 GRADE A FOR SHOCK; MIL-STD-167 FOR VIBRATION.

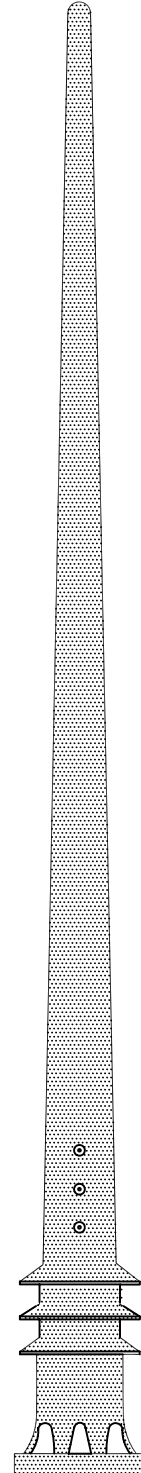
THE ANTENNA IS USED WITH GENERAL HF COMMUNICATIONS EQUIPMENT. THE ANTENNA PROVIDES VERTICALLY POLARIZED, OMNIDIRECTIONAL AZIMUTH RADIATION FROM 10 TO 30 MHz WHEN THE ANTENNA IS OPERATED IN A TWIN WHIP AND TUNER CONFIGURATION FOR BROADBAND APPLICATIONS. IT CAN BE USED SINGULARLY FOR GENERAL RECEIVING OR TRANSMITTING APPLICATIONS.

THE ANTENNA CONSISTS OF A TAPERED ALUMINUM RADIATING ELEMENT AND AN INTEGRAL FIBREGLASS INSULATOR AND BASE MOUNTING FLANGE. IT IS A SINGLE PIECE ANTENNA WHICH HAS THREE SIDE FEED POINTS. THE INTEGRAL INSULATOR AND BASE MOUNTING FLANGE IS BONDED TO THE BOTTOM OF THE RADIATING ELEMENT. A DRIP SHIELD IS PROVIDED JUST BELOW THE LOWER FEED POINT.

THE MECHANICAL STRENGTH OF THE INTEGRAL INSULATOR AND MOUNTING FLANGE IS ACHIEVED WITH A PATENTED PROCESS USING HIGH STRENGTH FILAMENT FIBREGLASS AND EPOXY RESIN.

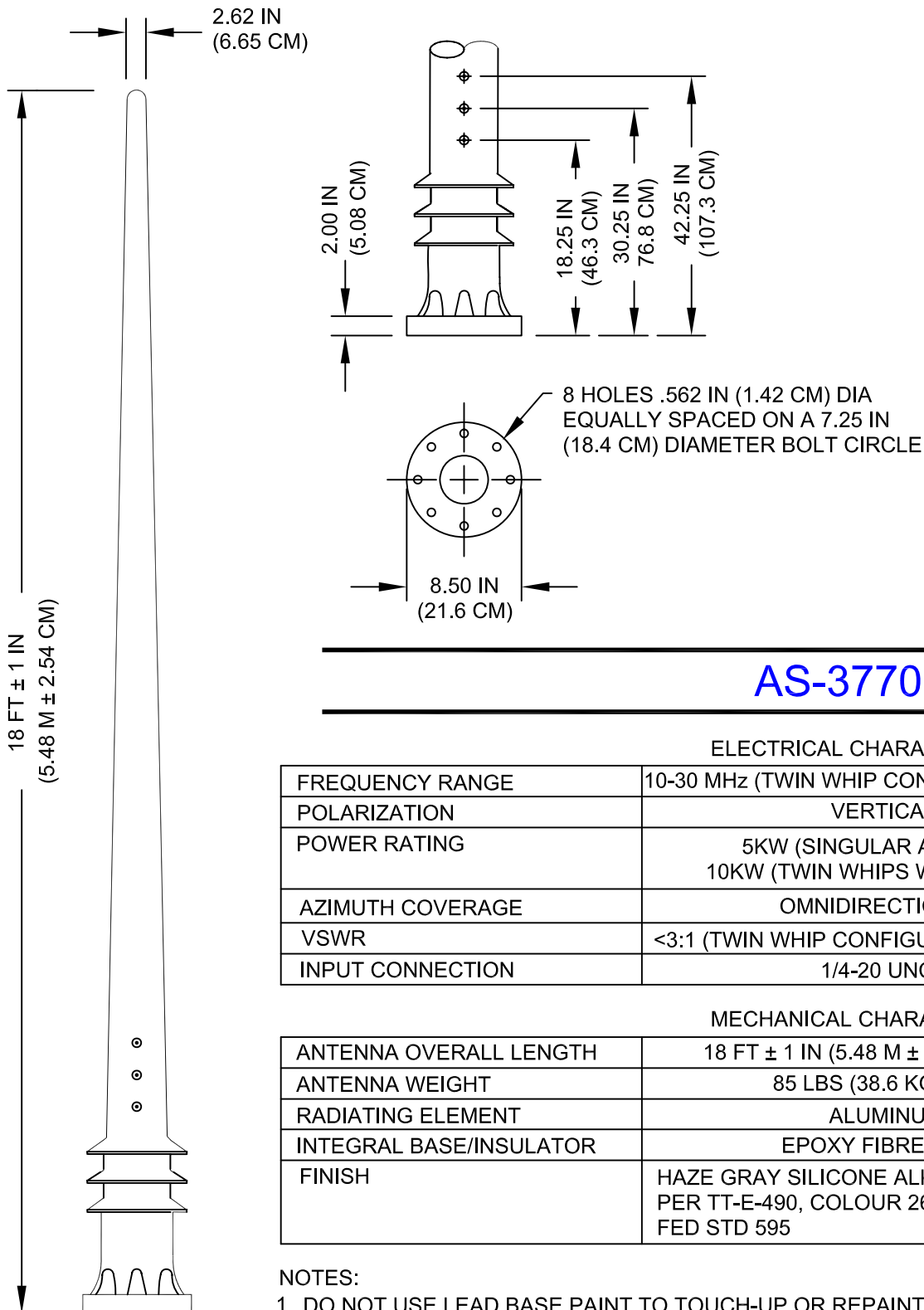
## FEATURES:

- **POWER HANDLING TO 5KW**
- **MINIMUM MAINTENANCE**
- **HIGH RELIABILITY**
- **SHIPBOARD APPLICATIONS**
- **BROADBAND**
- **WEATHERPROOF**



# AS-3770B/U

## QUICK REFERENCE DATA



### AS-3770B/U

#### ELECTRICAL CHARACTERISTICS

FREQUENCY RANGE	10-30 MHz (TWIN WHIP CONFIGURATION)
POLARIZATION	VERTICAL
POWER RATING	5KW (SINGULAR ANTENNA) 10KW (TWIN WHIPS WITH TUNER)
AZIMUTH COVERAGE	OMNIDIRECTIONAL
VSWR	<3:1 (TWIN WHIP CONFIGURATION)
INPUT CONNECTION	1/4-20 UNC

#### MECHANICAL CHARACTERISTICS

ANTENNA OVERALL LENGTH	18 FT ± 1 IN (5.48 M ± 2.54 CM)
ANTENNA WEIGHT	85 LBS (38.6 KG)
RADIATING ELEMENT	ALUMINUM
INTEGRAL BASE/INSULATOR	EPOXY FIBREGLASS
FINISH	HAZE GRAY SILICONE ALKYD ENAMEL PER TT-E-490, COLOUR 26270 PER FED STD 595

#### NOTES:

- DO NOT USE LEAD BASE PAINT TO TOUCH-UP OR REPAINT ANTENNA.



P.O. BOX 603 GUELPH, ONTARIO, CANADA, N1H 6L3

TEL 519-824-3220 FAX 519-824-3411

INTERNET: [www.valcom-guelph.com](http://www.valcom-guelph.com) EMAIL: [enquiries@valcom-guelph.com](mailto:enquiries@valcom-guelph.com)