

STEALTH 9320

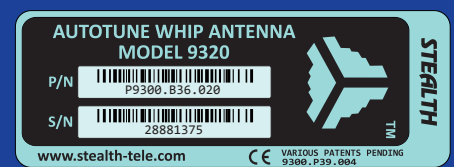
Automatic Tuning Whip Marine HF Antenna

9320



FEATURES AT A GLANCE

- Continuous 1.6 to 30 MHz coverage
- 125W CW/DATA, 200W PEP SSB
- 0.35 sec Fast Automatic Tuning
- Sensitive to weakest signals over entire HF band
- Highest radiation efficiency in its class
- Compatible or adaptive to all existing HF transceivers
- Easy installation on yachts, fishing vessels and workboats
- Durable Glass Fiber Nylon Enclosure



Applications

The Stealth 9320 Automatic Tuning Whip Marine HF Antenna provides for continuous frequency coverage throughout marine coastal and HF communication bands. 125W PEP RF power handling capability is sufficient for data and voice communications. Being a self-contained unit, it provides for an easy installation on all types of yachts, fishing vessels and small workboats even where achieving good HF-communication is difficult. At times like that, large antennas are simply not practical or they affect appearance.

High Performance

Lightweight and virtually immune to temperature variations, the tuning mechanism kinematics and high-Q RF-network of the 9320 Marine HF Antenna offer fast and consistently stable automatic tuning combined with outstanding transmit and receive performance required for long haul communications.

Special Features

Stealth 9320 Antennas have been designed for flexible interfacing with any modern SSB marine telephony HF transceiver, including those not provided with any specific interface focusing on both professional user and private fishing boat owner who can now afford reliable wireless HF communication tool without additional tuners and wiring. Inbuilt software-aided Parameter Control feature ensures automated VSWR adaptation to any ship structures and effectively manages co-site interference with all other V/UHF whip antennas proved by printable 'Proof of Performance Report' for every individual HF marine installation. Problems traditionally related to low radiation efficiency, high VSWR, unreliable or slow tuning are addressed in the 9320 antennas.

Rugged Design

The 9320 antenna is a member of 9300-series Automatic Tuning Whip HF Antenna family design based on military antenna system inheriting all its in-built mechanical durability and operational reliability achieved by innovative methods and techniques applied in the original design. The 9320 Antenna is the state-of-the-art technology device ensuring consistency of parts replication that guarantees long term precise functioning. The Marine 9320 antennas are specially engineered to be impervious to salt water using premium quality stainless steel hardware and other materials to prevent galvanic corrosion in salty environment, as well as withstand extreme wind loads and ship vibrations.

GENERAL SPECIFICATIONS

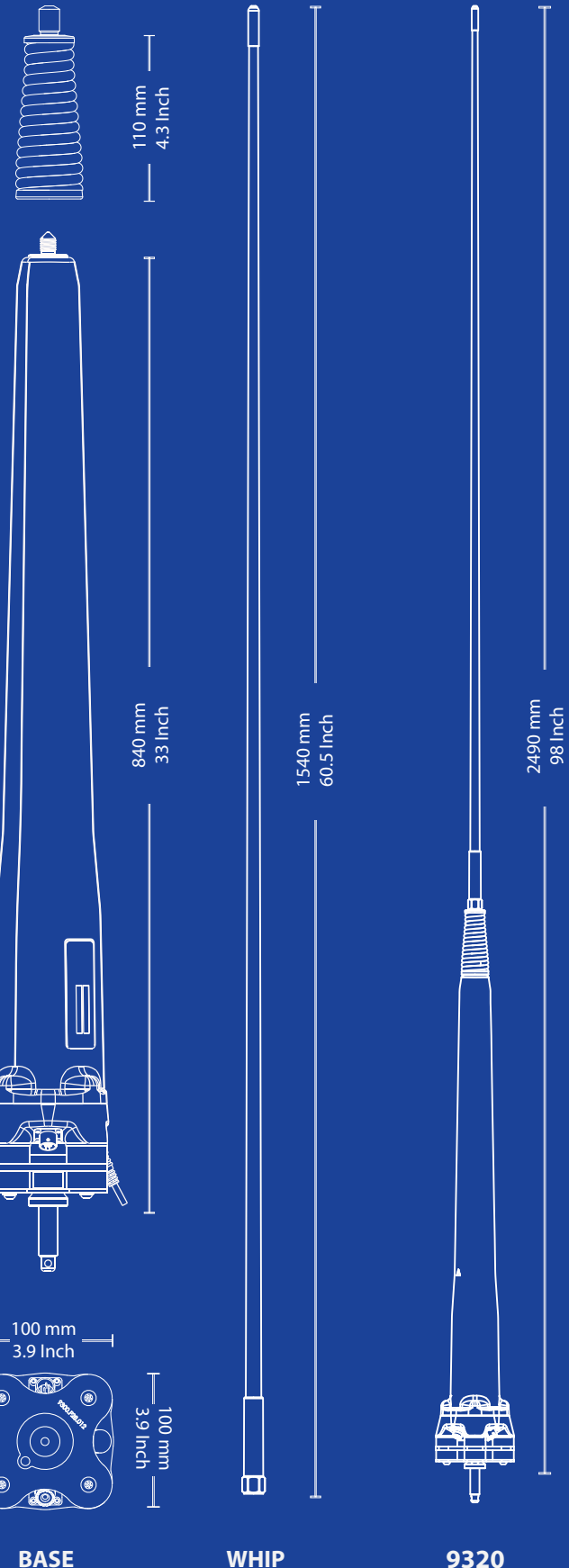
Frequency Range	1.6 - 30MHz Transmit, 250KHz - 30MHz Receive
Power Rating	125W PEP CW/data, 200W PEP SSB Voice
VSWR	Typical $\leq 1.3:1$, 50 Ω
Tuning Speed	New channel ≤ 1 sec average, memory tune $\leq 0.35s$
Memory Channels	400
Tune Power	External 3-30W PEP (3-200W in Smart Tune)
DC Operating Range	11-15VDC, 13.6VDC nominal from transceiver or on-board battery
Power Consumption	1.6 A tuning, 250mA static
Integral Scan Amplifier	Gain 3 dB, noise $\leq 10dB$ above thermal, IP ₃ $\geq 26dBm$
Interface	UHF socket/MIL-DTL5015, 7-pin/ USB (MIL spec), TTL and serial via menu settings
Protection	High VSWR, Open/ short Circuit, Over Voltage/ Temperature, Induced RF Power
Operating Temperature Range	-40°C to +60°C
Environmental	IP 68 Immersion, Wind Rating/ Moment of Flexure 55m/s = 125 mph/ 4.5 kpm
Electro Magnetic Compatibility	Meets MIL-STD-461F, EN 300 373
Mounting	M16 x 45mm stud
Weight and Dimensions	5.5 kg, 100x100x840 (2490)mm
Color	Black or White

PACKAGE COMPONENTS

- 9300.B36.000 Antenna Base Unit
- 9300.B35.005 M14F Fiberglass Whip
- 9300.M28.015 M14F x M14M Spring
- 9300.S51.060 CPS9300 Installation CD
- 9300.D50.001 Quick Installation Guide
- 9300.B17.073 Control Cable, 11.5m
- 9300.B17.072 Coaxial Cable, 12m
- 9300.B17.005 Universal (default) Adaptor Cable 0.5m*
- 9300.B17.071 USB Cable, 1.5m
- 9300.B35.025 Grounding Return Kit

OPTIONAL ACCESSORIES

*Proprietary Plug Adaptor Cable can be included on ordering.
Wide range of optional installation accessories is available in separate catalogue.



BASE

WHIP

9320

Stealth Telecom FZC

P.O. Box: 7755, Sharjah, UAE
Tel: +971 6 5575586
Fax: +971 6 5575481
E-mail: sales@stealth-tele.com



ISO9001