VX-1210

HF Manpack Radio

SPECIFICATION SHEET

Rugged, Portable HF Field Communications

The 20-Watt VX-1210 HF manpack radio is designed for field communications when contact at all times is a must. Simple to operate, it is a self-contained HF station for both voice and non-voice operating modes. The VX-1210 HF radio is designed for real-world portable operations.

Light Weight, High-Capacity Lithium Ion Battery

The VX-1210 includes a 14.8 V Lithium-Ion battery with RX/TX battery saver option that lasts up to 24 hours in receive mode and up to 10 hours in standard SSB operation.

Memory for Large Group Communications

Get 500 channels and alphanumeric labels for each channel for quick and easy call management.

Integral Noise Blanker

The VX-1210 has a built-in noise blanker capability to improve operation in high noise and areas with significant interference. The noise blanker enhances intelligibility in the presence of vehicular ignition noise and other sources of RF generated impulse noise.

Automatic Antenna Tuning

With the optional ATU-1210 unit installed, simply press and hold the assigned toggle switch to initiate automatic antenna tuning for whip antennas.

VX-1210

7.6 (W) X 2.9 (H) X 10.8 (D) inches

OPTIONAL CSC-78 BACKPACK

The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Vertex Standard radios are built to last and are backed by an industry-leading 3 year warranty – another great reason to choose Vertex Standard. Ask your Dealer for more details.

VX-1210

Vertex Standard

SPECIFICATION SHEET vertexstandard.com/lmr

Additional Features

- Three programmable keys
- SSB/CW, AM and Data operating modes
- Battery status monitor
- Call alert / Hailer (multiple tones)
- CW Semi break-in
- TOT
- Whip antenna (YHA-61)

Accessories

- MH-50B7A: Speaker microphone
- FNB-66LI: 14.8V Lithium-ion battery pack (req. PA-26)
- CD-17: Rapid charger
- PA-26: AC Adapter
- ATU-1210: Internal antenna coupler
- YA-30: Dipole antenna (T2FD type)
- FHA-27: Folding whip antenna (requires GN-1210)
- GN-1210: Goose neck connector
- SVC-1200: Service Kit
- DSV-1200: D-sub 9-pin connector unit

Option Board

- FVP-38: Variable split-band voice scrambler

VX-1210 Specifications

General Specification	
Frequency Range	RX: 0.5 – 30 MHz; TX: 1.6 – 30 MHz
Number of Channels	500
Emission Type	A1A(CW); J3E(LSB/USB); H3E(AM); F1B(AFSK)
Power Requirements	DC 14.8 V Lithium-ion Battery
Recharge Time	5 hours (typical)
Channel Spacing	10 Hz
Current Consumption	RX: 500 mA (saver off), 100 mA (saver on) TX: 5 A (20 W), 3 A (5 W)
Operating Temperature Range	-22° F to +140° F (-30° C to +60° C)
Antenna Impedance	50 Ohms (unbalanced)
Dimension (W x H x D)	7.6 x 2.9 x 10.8 inches (193 x 74 x 274 mm) w/o knobs
Weight (Approx.)	7.1 lbs (3.2 kg) w/FNB-66LI
Receiver Specification	
Circuit Type	Double Conversion Super Heterodyne
Intermediate Frequency	47.055 MHz & 10.7 MHz
Sensitivity	0.25 µV (J3E / A1A, 10 dB S/N)
Selectivity	2.4 kHz / 5.0 kHz (-6/-60 dB)
Clarifier Adjustment Range	±200 Hz (J3E/A1A/F1B), ±400 Hz (H3E)
IF and Image Rejection	80 dB
Audio Output	At least 1.5 W @ 4 Ohms @ 10% THD
Audio Impedance	4 – 32 Ohms
Transmitter Specification	
Output Power	20W / 5W (J3E/A1A/F1B), 10W / 2.5W (H3E)
Duty Cycle	25% voice
Modulation	Balanced Modulator (SSB: J3E) Early Stage / Low Level (AM:H3E)
Carrier Suppression	55 dB
Undesired Sideband Suppression	55 dB @ 1.5 kHz tone
Spurious Emission	-56 dB or better
Audio Response (J3E)	350 – 2650 Hz (-6 dB)
3rd-order IMD	-31 dB
Microphone Impedance	2K Ohms, condenser type

Applicable MIL-STD

Standard	MIL 810D Methods/ Procedures	MIL 810E Methods/ Procedures
Vibration	514.3 / Procedure I Cat. 10	514.4 / Procedure I Cat. 10
Shock	516.3 / Procedure I	516.4 / Procedure I

Specifications are subject to change without notice or obligation.

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