

SPECIFICATIONS : VX-3000 Series			
0			
General Specifications	VX-3000L	VX-3000V	VX-3000U
0	VHF Lowband	VHF Highband	UHF Band
Number of Channels	4, 48 Channels (120 optional)		
Frequency Range	29.7-37 MHz (A)	134-150 MHz (A)	400-460 MHz (A)
0	37-50 MHz (B)	146-174 MHz (C)	450-490 MHz (D)
0	0	0	480-512 MHz (F)
Maximum Channel Spread	7.3 MHz (A)	16 MHz (A)	60 MHz (A)
0	13 MHz (B)	28 MHz (C)	40 MHz (D)
0	0	00	32 MHz (F)
Channel Spacing	20 kHz	12.5 kHz / 25 kHz / 30 kHz	
Power Supply Voltage	13.8 VDC		
Current Consumption			
Standby	400 mA	400 mA	
Receive	1.4 A	1.4 A	
Transmit	15 A	13 A	
Ambient Temperature Range	-30°C to +60°C		
Frequency Stability	± 0.002 %	± 0.00025 %	
RF Input-Output Impedance	50 ohms		
Audio Output Impedance	4 ohms		
Dimensions (W x H x D)	6.3" x 1.6" x 6.3" (160 x 40 x 160 mm)		
Weight	3 lbs. (1.4 kg)		
Receiver Specifications	Measurements made per EIA standard EIA-204D		
Circuit Type	Double Conversion Superheterodyne		
Sensitivity			
EIA 12 dB SINAD	0.25 µV	0.25 µV	0.30 µV
20 dB Quieting	0.35 µV	0.35 µV	0.45 µV
Threshold Squelch	0.20 µV	0.20 µV	0.20 µV
Adjacent Channel Selectivity	70 dB	70 dB (25 kHz), 60 dB (12.5 kHz)	
Intermodulation	70 dB		
Spurious and Image Rejection	70 dB		
Audio Response	+3 / -8 dB from the 6 dB / oct. De-emphasis curve		
Audio Output	10 W into 4 ohms w / <10% THD		
Transmitter Specifications	Measurements made per EIA standard EIA-152-C		
Power Output	70 / 10 W	50 / 5 W	40 / 5 W
Modulation	16K0F3E	16K0F3E, 11K0F3E	
Maximum Deviation	± 5 kHz	± 5 kHz (25 kHz), ± 2.5 kHz (12.5 kHz)	
Conducted Spurious Emissions	70 dBc		
FM Hum and Noise	50 dB	46 dB (25 kHz), 38 dB (12.5 kHz)	
Audio Response	+1 / -3 dB from the 6 dB / oct. Pre-emphasis curve		
Audio Distortion (@ 1 kHz)	<5%		

