

SPECIFICATIONS : VX-4000 Series			
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General Specifications	VX-4000L	VX-4000V	VX-4000U
Frequency Range	29.7 - 37 MHz	134 - 160 MHz (A)	400 - 430 MHz (A)
0	37 - 50 MHz (B)	148 - 174 MHz (C)	450 - 490 MHz (D)
0	0	0	480 - 512 MHz (F)
Number of Channels	250 Channels		
PLL Steps	5/6.25 kHz	2.5/5/6.25 kHz	2.5/5/6.25 kHz
Channel Spacing	20 kHz	12.5 kHz / 25 kHz / 30 kHz	
Power Supply Voltage	13.8 VDC \pm 20 %		
Current Consumption			
Standby	50 Ohms		
Receive	2.1 A		
Transmit	12 A		
Ambient Temperature Range	-22°F to +140°F (-30°C to +60°C)		
Frequency Stability	Better than \pm 5 ppm	Better than \pm 2.5 ppm	
RF Input-Output Impedance	50 ohms		
Audio Output Impedance	4 ohms		
Dimensions (W x H x D)	7" (W) x 2.4" (H) x 7.7" (D) (178 x 60 x 195 mm)		
Weight	4.9 lb. (2.2 kg)		
Receiver Specifications	Measurements made per EIA standard EIA-204D		
Circuit Type	Double Conversion Superheterodyne		
Sensitivity			
EIA 12 dB SINAD	0.25 μ V	0.25 μ V	
Adjacent Channel Selectivity	85 dB (25 kHz/12.5 kHz)	85 dB/75 dB (25 kHz/12.5 kHz)	80 dB/70 dB (25 kHz/12.5 kHz)
Intermodulation	75 dB	76 dB	
Spurious and Image Rejection	85 dB	90 dB	
Audio Output	5 W @ 4 Ohms w/3% THD 10 W @ 4 Ohms w/3% THD (Optional MLS-100)		
Transmitter Specifications	Measurements made per EIA standard TIA/EIA-603		
Power Output	70W Adjustable to 30W	50W Adjustable to 5W	40W Adjustable to 5W
Modulation			

	16K0F3E	16K0F3E, 11K0F3E
Maximum Deviation	70 dB Below Carrier	
Audio Distortion (@ 1 kHz)	<3%	