

VX-1700

HF Multi Mode Mobile Radio



- Frequency Coverage :
Rx: 30 kHz ~ 30.0000 MHz in 10 Hz Steps
Tx: 1.600 ~ 30.0000 MHz
- A1A (CW), J3E (LSB/USB), A3E (AM), J2B (USB/LSB), H3E (2.182 MHz Emergency Channel only)
- 200 Memory Channels (arranged in five banks)
- Alpha-Numeric labeling of Memory channels
- VFO mode capability
- ITU Marine Channel installed
- One touch 2.182 MHz Emergency Channel mode
- Power Output:
125 Watts (A1A, J2B, J3E @1.6000 ~ 3.9999 MHz)
100 Watts (A1A, J2B, J3E @4.0000 ~ 29.9999 MHz)
31 Watts AM Carrier (A3E @1.6000 ~ 3.9999 MHz)
25 Watts AM Carrier (A3E @4.0000 ~ 29.9999 MHz)
31 Watts AM Carrier (H3E @2.182 MHz)
- Weather resistant, Rugged Construction
- Mobile Antenna (Optional)
- Selcall / Telcall built in
Selcall
Telcall
Message Call
Position Request call
Position Send Call
Beacon Request Call
- ALE Operation (requires optional ALE-1 unit)
- Dual Watch Operation
- External Automatic Antenna Tuner, FC-30 and FC-40 available
- VOX
- Noise Blanker
- Dimmer function
- CW Side tone function
- CW Semi-break-in
- Transcript SSB Encryption Unit SC20-455 Available (Optional)
- Field Memory Channel Storage
- PC Programmable



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Specifications

General Specifications

Receiver Frequency Range	30 kHz ~ 30.0000 MHz		
Transmitter Frequency	1.600 ~ 30.0000 MHz		
Emission Modes	A1A (CW), J3E (LSB/USB), A3E (AM), J2B (USB/LSB), H3E (2.182 MHz Emergency Channel only)		
Frequency Synthesizer Step	10 Hz, 100 Hz, 1 kHz		
Frequency Stability	±4 ppm (after 1 min. ~ 60 min. @25° C) ±1 ppm (after 60 min. ~ @25° C)		
Operating Temperature Range	14° F ~ 122° F (-10° C ~ +50° C)		
Antenna Impedance	50 Ohms		
Supply Voltage	13.8 Volts DC ±15%, negative ground		
Power Consumption	Standby	25 mA	
	Receive, no signal	1.0 A	
	Receive	1.5 A	
	Transmit	20 A (125 Watts output)	
Dimensions (WxHxD)	9.5 x 3.9 x 11.2 (241 x 99 x 285 mm)		
Weight (approx.)	9.5 lbs (4.3 kg)		

Receiver Specifications

Intermediate Frequencies	1st: 45.274 MHz, 2nd: 24 kHz		
Sensitivity (A1A/J2B/J3E/A3E: S/N 10 dB)		A1A/J2B/J3E	A3E/H3E
	0.1 ~ 0.5 MHz	—	—
	0.5 ~ 1.6 MHz:	1.41 µV	8 µV
Squelch Sensitivity (A1A/J2B/J3E)	1.6 ~ 30 MHz:	0.16 µV	1 µV
	0.1 ~ 0.5 MHz:	—	
	0.5 ~ 1.6 MHz:	2.5 µV	
IF Rejection	Better than 80 dB		
Image Rejection	Better than 80 dB		
Selectivity		-6 dB	-60 dB
	A1A(W), J2B(W), J3E	> 2.2 kHz	< 4.5 kHz
	A1A(N), J2B(N)	> 500 Hz	< 2.0 kHz
	A3E, H3E	> 6 kHz	< 20 kHz
Audio Output	At least 2.2 Watts into 8 Ohms @ 10% THD		
Audio Output Impedance	4 ~ 16 Ohms (8 Ohms Nominal)		
Conducted Radiation	Less than 4000 µµW		

Transmitter Specifications

Power Output	125 Watts (A1A, J2B, J3E @ 1.6000 ~ 3.9999 MHz)
	100 Watts (A1A, J2B, J3E @ 4.0000 ~ 29.9999 MHz)
	31 Watts AM Carrier (A3E @ 1.6000 ~ 3.9999 MHz)
	25 Watts AM Carrier (A3E @ 4.0000 ~ 29.9999 MHz)
	31 Watts AM Carrier (H3E @ 2.182 MHz)
Modulation Types	J3E, H3E: PSN type modulator, A3E: Low-level (early stage)
	Better than -42 dB (Harmonics)
Spurious Radiation	Better than -36 dB (Harmonics @ 1.6 ~ 1.8 MHz)
J3E Carrier Suppression	Better than 50 dB below peak output
Undesired Sideband Suppression	Better than 60 dB below peak output
J3E Audio Response	Not more than -6 dB from 400 Hz ~ 2500 Hz
Occupied Bandwidth	A1A: less than 0.5 kHz
	J3E, H3E: less than 3.0 kHz
	A3E: less than 6.0 kHz
Microphone Impedance	200 ~ 10 k Ohms (600 Ohms Nominal)

Specifications are subject to change without notice or obligation.

Rear Panel



Accessories & Options



VL-1000 Linear Amplifier /
VP-1000 AC Power Supply for the VL-1000



FP-1030A AC Power Supply



MD-200A8X
Desktop Microphone



FC-40
External Antenna Tuner (Wire/Whip Antennas)



FC-30
External Antenna Tuner (Coaxial Lines)



MLS-100
External Speaker

- ALE-1 Automatic Link Establishment Unit
- SC20-455 Encryption Unit
- YA-30 Broadband HF Antenna
- YA-007FG HF Multi-Band Mobile Antenna for FC-40
- MMB-89 One-Touch Mobile Bracket
- MHG-1 Carrying Handle
- CT-118 Linear Amplifier Control Cable
- CE77 PC programmer

Various accessories listed may not be available in some countries.



YAESU MUSEN CO., LTD
ISO9001:2000 certification

YAESU MUSEN CO., LTD
ISO14001:1996 certification



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