HF/50MHz 100 W Base Station

FT-950



The radio...YAESU

Specifications				
General				
Rx Frequency Range	30 kHz - 56 MHz (operating)			
	160 - 6 m (specified performance, Amateur bands only)			
Tx Frequency Ranges	160 - 6 m (Amateur bands only)			
Frequency Stability	±0.5 ppm (after 1 minute @77° F [+25° C])			
	±1.0 ppm (after 1 minute @14° F ~ +122° F [-10° C ~ +50° C])			
Operating Temperature Range	14° F ~ +122° F (-10° C ~ +50° C)			
Emission Modes	A1A (CW), A3E (AM), J3E (LSB, USB), F3E (FM),			
	F1B (RTTY), F1D (PACKET), F2D (PACKET)			
Frequency Steps	1/10 Hz (SSB, CW, & AM), 100 Hz (FM)			
Antenna Impedance	50 Ohms, unbalanced			
	16.7 - 150 Ohms, unbalanced			
	(Tuner ON, 160 - 6 m Amateur bands, TX only)			
Power Consumption (Approx.)	Rx (no signal) 1.8 A			
The state of the s	Rx (signal present) 2.1 A			
	Tx (100 W) 22 A			
Supply Voltage	DC 13.8 V ±10% (Negative Ground)			
Dimensions (WxHxD):	14.4" x 4.5" x 12.4" (365 x 115 x 315 mm)			
Weight (Approx.)	21.6 lbs (9.8 kg)			
Transmitter				
Power Output	5 - 100 watts (2 - 25 watts AM carrier)			
Modulation Types	J3E (SSB): Balanced,			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	A3E (AM): Low-Level (Early Stage),			
	F3E (FM): Variable Reactance			
Maximum FM Deviation	±5.0 kHz / ±2.5 kHz			
Harmonic Radiation	Better than -60 dB (160 - 10m Amateur bands: Harmonics)			
	Better than -50 dB (160 - 10m Amateur bands: Others)			
	Better than -65 dB (6m Amateur band)			
SSB Carrier Suppression	At least 60 dB below peak output			
Undesired Sideband Suppression	At least 60 dB below peak output			
3rd-order IMD	-31 dB @14 MHz 100 watts PEP			
Bandwidth	3 kHz (LSB/USB), 500 Hz (CW),			
	6 kHz (AM), 16 kHz (FM)			
Audio Response (SSB)	Not more than -6 dB from 300 to 2700 Hz			
Microphone Impedance	600 Ohms (200 to 10 kOhms)			

Receiver				
Circuit Type	Triple-conversion S			
Intermediate Frequencies	69.450 MHz/450 kH	Hz/30 kHz (24 kHz for	AM/FM)	
Sensitivity	SSB (BW: 2.4 kHz, 10 dB S+N/N)			
	4 μV (0.5 - 1.8 MHz) (IPO "ON")			
	0.2 μV (1.8 - 30 MHz) (AMP 2)			
	0.125 μV (50 - 54 MHz) (AMP 2)			
	AM (BW: 6 kHz, 10 dB S+N/N, 30 % modulation @400 Hz)			
	28 μV (0.5 - 1.8 MHz) (IPO "ON")			
	2 μV (1.8 - 30 MHz) (AMP 2)			
	1 μV (50 - 54 MHz) (AMP 2)			
	FM (BW: 15 kHz, 12 dB SINAD)			
	0.5 μV (28 - 30 MHz) (AMP 2)			
	0.35 μV (50 - 54 MHz) (AMP 2)			
	There is no specification for frequency ranges not listed.			
Squelch Sensitivity (RF AMP 2 "ON")	SSB/CW/AM			
	2 μV (0.1 - 1.8 MHz)			
	2 μV (50 - 54 MHz)			
	FM			
	1 μV (28 - 30 MHz)			
	1 μV (50 - 54 MHz)			
	There is no specification for frequency ranges not listed.			
Selectivity (WIDTH: Center)	Mode	−6 dB	-60 dB	
	CW/RTTY/PKT	0.5 kHz or better	750 Hz or less	
	SSB	2.4 kHz or better	3.6 kHz or less	
	AM	6 kHz or better	15 kHz or less	
	FM	15 kHz or better	25 kHz or less	
Image Rejection	70 dB or better (160 - 10m Amateur bands)			
	60 dB or better (6m Amateur band)			
Maximum Audio Output	2.5 W into 4 Ohms with 10% THD			
Audio Output Impedance				
Conducted Radiation	Less than 4000 μμW			

DMU-2000 Data Management Unit Specifications			
Power Requirements	AC 90 V ~ 264 V 50/60 Hz		
Current Consumption (@117V AC)	Typ. 50 VA		
Weight (approx.)	5.9 lbs (2.7 kg)		
Dimensions (WxHxD)	3.9" x 5.3" x 13.8" (100 x 135 x 350 mm) (without knobs/switches)		

Specifications are subject to change, in the interest of technical improvement, without notice or obligation, and are guaranteed only within the amateur bands.

• Supplied Accessories: MH-31_{B8} Hand Microphone (1), DC Cable (1)

Options



DMU-2000 Data Management Unit After-market PS/2 Keyboard and PC monitor are required for use of DMU-2000 and are not supplied.



DVS-6 Voice Memory Unit



FH-2 Remote Control Keypad



MD-200A8X Desktop Deluxe Dynamic Microphone



MD-100a8X Desktop Microphone

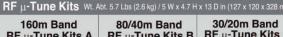


YH-77STA Stereo Headphones



FC-40 Automatic Antenna Tuner (for Long wire antenna)

The FC-40 is a microprocessorcontrolled antenna impedance matching network designed to provide all-amateur-band transmitting capability with the FT-950 of transceivers, when used with an end-fed random wire or long whip antenna.





80/40m Band RF μ-Tune Kits B



30/20m Band RF μ -Tune Kits C



HF-50 MHz 1 kW Linear Amplifier (50 MHz: 500 W/USA Version) VL-1000

Automatic Antenna Tuner Built In

VL-1000 Power Supply VP-1000

SYSTEM

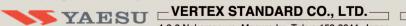


Specifications

*Operating Frequency Range:1.8 - 54 MHz with 86 ft (20+ m) end-fed wire, 7 - 54 MHz with 86 ft (20+ m) end-fed wire, 7 - 54 MHz with 8 ft (2.5 m) Mobile Whip Antenna *Input Impedance:50-Ohms *Maximum Power: 100 Watts (3 minutes Maximum Continuous TX) *Matched SWR:2.0:1 or tess (fi antenna is not a multiple of \(^1\)\(^2\)\)\(^2\)\)\(^1\

ullet Up to three/3 μ -Tune Kits may be installed. All and any μ -Tune Kits shall be installed by the users

About this brochure: we have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time to equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.



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