

SPECIFICATIONS

GENERAL

Operating Frequency Ranges

50 ~ 53.99999 MHz*
 144 ~ 145.99999 MHz (or 147.99999 MHz)
 220 ~ 224.99999 MHz*
 430 ~ 439.99999 MHz (or 449.99999 MHz)
 1240 or 1260 ~ 1299.99999 MHz*

Emission Types

LSB/USB (J3E voice), CW (A1A)
 FM (F2D, FSK, F3E voice)
 TV (A3F optional, for 1.2 GHz*)

Operating Temperature Range

-10 to +60°C

Reference Oscillator Stability

Better than ±1 ppm (+10 to +40°C), and
 ±5 ppm (-10 to +60°C) after 15 minutes warmup

Antenna Impedance

50 ohms, unbalanced

Supply Voltage

85 ~ 132 or 170 ~ 264 VAC, 50/60 Hz,
 or 13.8 VDC ±10%, negative ground

Power Consumption/Current Required

Maximum: 250 VA (approx.)
 Receive: 1.5 A (")
 Transmit: 8 A (")

Dimensions

368 (W) X 129 (H) X 286 (D) mm

Weight

9 kg (19.8 lbs)

TRANSMITTER

Power Input

30 watts DC @ 50 MHz*
 60 watts DC @ 144, 220*, 430 MHz
 45 watts DC @ 1.2 GHz*

Modulation Methods

SSB Balanced, filtered carrier
 FM Variable reactance
 (±5 kHz or ±2.5 kHz maximum deviation)
 ATV* Low level carrier

Spurious Radiation

Better than -60 dB

Carrier Suppression (SSB)

Better than -40 dB below peak output

Undesired Sideband Suppression (SSB)

Better than -40 dB below peak output

Audio Characteristic (SSB)

Within 6 dB from 300 to 2700 Hz

Microphone Impedance

600 ohms nominal (200 ohms to 10k)

RECEIVER

Circuit Type

50*, 144 MHz bands: Double-conversion
 Other bands: Triple-conversion superhet.

Intermediate Frequencies

13.69 MHz and 455 kHz, plus
 47.75 MHz on 220*, 47.43 MHz on 430, or
 133.91 MHz on 1200 MHz band*

Sensitivity

SSB/CW: Better than -15 dBμ for 12 dB
 S + N: N

FM: Better than -9 dBμ for 12 dB SINAD

Squelch Sensitivity

SSB/CW: Better than 0 dBμ
 FM: Better than -12 dBμ

Image Rejection

60 dB or better

Selectivity (-6/-60 dB)

SSB, CW: 2.2/4.5 kHz
 CW-N (optional): 600/1200 Hz
 FM: 12/25 kHz FM-N: 8/19 kHz

Audio Output Power

1.5 watts into 8 ohms with 5% THD

Audio Output Impedance

4 to 16 ohms

Specifications subject to change without notice.

*requires optional unit

FT-736R Model Chart

Version	A	B1	B2	C1	C2	H1	H2
2m Band							
Freq. Range (MHz)	144-148	144-146	144-148	144-146	144-148	144-146	144-148
FM Ch. Step* (kHz)	5	12.5	12.5	12.5	12.5	5	5
Rptr. Shift* (kHz)	±600	±600	±600	±600	±600	±600	±600
70cm Band							
Freq. Range (MHz)	430-450	430-440	430-440	430-440	430-440	430-440	430-440
FM Ch. Step* (kHz)	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Rptr. Shift* (MHz)	±5	±7.6	±7.6	±1.6	±1.6	±5	±5
Tone Burst (Hz)	1800	1750	1750	1750	1750	1750	1750

*can be reset by operator



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