1.0 SPECIFICATIONS

1.1 GENERAL

Frequency range:
per local requirements
(see Model Chart)

Emission types:
FM, SSB(LSB,USB), CW

Channel steps:
(see Model Chart)

Antenna:
BNC jack (YHA-14A rubber flex antenna supplied)

Supply voltage:
8 - 15.8 VDC,
12 - 15.8 VDC w/FL-2025

Supply current (@13.8V):
receive: approx 80 mA
transmit: approx 1.1 A (for 2.5W RF)
w/FL-2025: 8A max

Case size (WHD):
150 x 57 x 194mm
w/FBA-8 or FL-2025

Weight:
1.2 kg (less FBA-8)
2.1 kg with FL-2025

1.2 RECEIVER

Circuit type:
SSB/CW: Single conversion
FM: Double conversion

First IF:
13.9885 MHz

Second (FM) IF:
455 kHz

Sensitivity:
SSB/CW: 0.2 uV for 10dB SN
FM: 0.25 uV for 12dB SINAD

Image rejection:
better than 60dB

IF rejection:
better than 70dB

Selectivity (-6/-60dB):
SSB & CW: 2.4/5.2 kHz
FM: 12/25 kHz

Audio Output:
1W into 8 ohms @10% THD

External Speaker Impedance:
4 - 16 ohms

1.3 TRANSMITTER

Input power:
6W @13.8V (2.5W output)

Modulation type:
SSB: balanced, filtered
FM: variable reactance

Deviation (FM):
±5 kHz

Carrier suppression:
better than 40dB

Unwanted sideband suppression:
better than 40dB

Spurious response:
-60dB

Microphone:
400 ohms, dynamic

Frequency stability (@25°C):
First 30 min.: 300 Hz
After 30 min.: 50 Hz

FT-290R II Model Chart

Ver.	Frequency range (MHz)	FM Steps (kHz)	Burst tone (Hz)
A1	144 - 148	5/10/20	n/a
B	144 - 146	12.5/25/50	1750
C1	144 - 148	12.5/25/50	1750
D	144 - 146	5/10/20	1750
E1	144 - 148	5/10/20	1750

All versions have 25/100/2500 Hz tuning steps for SSB & CW.