

<b>General</b>	
Frequency Range:	
Receive:	0.1-56 MHz, 76-108 MHz, 118-164 MHz, 420-470 MHz
Transmit:	160 - 6 Meters, 2 Meters, 70 Centimeters
	(Amateur bands only)
	5.1675 MHz (Alaska Emergency Frequency: USA only)
Emission Modes:	AI (CW), A3 (AM), A3J (LSB/USB), F3 (FM), F1 (9600 bps packet), F2 (1200 bps packet)
Synthesizer Steps (Mm.):	10 Hz (CW/SSB), 100 Hz (AM/FMIWFM)
Antenna Impedance:	50 Ohms, Unbalanced (M)
Operating Temp. Range:	+14 F to +40 F (-10 C to +60 C)
Frequency Stability:	±4 ppm from 1 mm. to 60 mm after power on. @25 C: 1ppm/hour ±0.5 ppm/i hour @25 C, after warmup (with optional TCXO-9)
Supply Voltage:	Normal: 13.8 VDC ±15%, Negative Ground
FNB-78 (Ni-MH Battery Pack):	13.2 V (Option)
Current Consumption:	Squelched: 600 mA (Approx.)
Receive:	1 A
Transmit:	22 A
Case Size (W x H x D):	6.1'x 2.0'x 9.2' (155 x 52 x 233 mm)
Weight (Approx.):	4.6 lb (2.1 kg)

<b>Transmitter</b>		
RF Power Output (@13.8 V DC):	SSB/CW/FM	AM Carrier
160-6 Meter:	100W	25W
2 Meter:	50W	12.5W
70 Centimeter:	20W	5W
Modulation Types:	SSB: Balanced Modulator, AM: Early Stage (Low Level), FM: Variable Reactance	
FM Maximum Deviation:	±5 kHz (FM-N: ±2.5 kHz)	
Spurious Radiation:	-50dB (1.8 - 29.7 MHz) -60dB (50/144/430 MHz)	
Carrier Suppression:	>40 dB	
Opp. Sideband Suppression:	>50 dB	
SSB Frequency Response:	400 Hz-2600 Hz (-6 dB)	
Microphone Impedance:	200-10k Ohms (Nominal: 600 Ohms)	

<b>Receiver</b>			
Circuit Type:	Double-Conversion Superheterodyne (SSB/CW/AM/FM) Superheterodyne (WFM)		
Intermediate Frequencies:	1st: 68.33MHz	(SSB/CW/AM/FM); 10.7MHz (WFM)	
	2nd: 455 kHz		
Sensitivity:	SSB/CW	AM	FM
100kHz-1.8MHz	-	32uV	-
1.8MHz-28 MHz	0.2uV	2.0uV	-
28 MHz-30 MHz	0.2uV	2.0uV	0.5uV

50MHz-54MHz	0.125uV	1uV	0.2uV
144/430MHz	0.125uV	-	0.2uV
(SSB/CW/AM = 10 dB S/N, FM = 12 dB SINAD)			
Squelch Sensitivity:	SSB/CW/AM		FM
100kHz-1.8MHz	-		-
1.8MHz-28 MHz	2.5uV		-
28 MHz-30 MHz	2.5uV		0.32uV
50MHz-54MHz	1uV		0.16uV
144/430MHz	0.5uV		0.16uV
Image Rejection:	HF/SO MHz: 70 dB, 144/430 MHz: 60 dB		
IF Rejection:	60 dB		
Selectivity (-6/-60dB):	SSB/CW: 2.2 kHz/4.5 kHz AM: 6 kHz/20 kHz		
	FM: 15 kHz/30 kHz FM-N: 9 kHz/25 kHz		
	SSB (optional YF-1 22S installed): 2.3 kHz/4.7 kHz (-		
	CW (option YF-122C installed): 500 Hz/2.0 kHz		
AF Output:	2.5W (@4ohms, 10% THD or less)		
AF Output Impedance:	4-16ohms		