



	7000	7100 / 7110	2nd Handset	FEATURES & SPECIFICATIONS	
	7000	7100 / 7110	2nd Handset	7200	7270
Power supply	13.6 V DC	13.6 V DC	~ from base station Under 100 mA	13.6 V DC	13.6 V DC
Current drain Transmit	6 A at 25 W / 1.5 A at 1 W	6 A at 25 W / 1.5 A at 1 W		6 A at 25 W / 1.5 A at 1 W	2 A at 4 W
Battery monitor	✓	✓	✓	✓	✓
Receive	Under 250 mA in Standby	Under 250 mA in Standby		Less than 250 mA in Standby	800 mA full volume - 350 mA squelched
Baro Sampling (Radio Off)				Under 3 mA, 85 mA in Active Standby	
Useable Channels (country specific)	International, USA	International, USA *, Canada *, Weather *, ATIS **			Marine / Land
Mode	16K0G3E (FM)	16K0G3E (FM) / 16K0G2B (DSC)		16K0G3E (FM) / 16K0G2B (DSC)	AM (A3E)
LCD display (viewing)	1" x 1.8" (26 mm x 46 mm) FSTN 4x12 Character			1.9" x 1.6" (50 mm x 45 mm) FSTN 4x12 Character	1.2" x 0.98" (30 mm x 25mm)
Contrast and Dimming control	✓	✓		✓	Dim control
Antenna connector	SO-239 (50 Ω)	SO-239 (50 Ω)		SO-239 (50 Ω)	SO-239 (50 Ω)
Temperature range	5 to 122 °F (-15 to 50 °C)	5 to 122 °F (-15 to 50 °C)		5 to 122 °F (-15 to 50 °C)	5 to 122 °F (-15 to 50 °C)
Waterproof	JIS-7	JIS-7		JIS-7	JIS-7
Dimensions w/o Bracket	6.4 W x 2.8 H x 5.8 D" (162 x 75 x 147) mm. Handset 2.5 W x 5.9 H x 1.4 D" (63 x 149 x 35) mm				
Weight:	2.8 lb (1.29 kg) w/o Mic	2.8 lb (1.29 kg) w/o Mic	10 oz (0.28 kg) w/o cord	3.0 lb (1.36 kg) w/o Mic	2.8 lb (1.29 kg) w/o mic
Frequency stability	± 10 ppm	± 10 ppm		± 10 ppm	0.001%
Frequency control	PLL	PLL		PLL	PLL
GPS/NMEA input	✓	✓		✓	
Comm. Port	4800 baud NMEA		Proprietary high-speed duplex link	4800 baud NMEA and 38,400 baud NavBus	
Intercom with Talkback			✓		
DSC		✓	✓	✓	
Rotary Channel Selector				✓	
Flush Mount Kit and Dust Cover	✓	✓		✓	
Local/Distant Control:	✓	✓	Operational from handset	✓	
Position Polling		✓	Operational from handset	✓	
Track-Your- Buddy				✓	
Call Logs		Yes - 20 Individual and 10 Distress	Stored in base	Yes - 20 Individual and 10 Distress	
DSC (USCG SC101 * and CLASS D **)		✓	Operational from handset	✓	
Barometer and Temperature and Happy Fish				Yes - 960-1050 MB at 1 MB increments, -20 to 50 °C	
Channel Naming	✓	✓	Operational from handset	✓	
Tri-watch *, Dual-watch **, All scan, Favorite Channel scan	✓	✓	Operational from handset	✓	Dual watch & favorite channel scan & all scan
User programmable MMSI ID		✓	Operational from handset	✓	
MMSI ID and NAME Directory		Yes - 20 numbers + Group + ATIS**		Yes - 20 numbers + Group + ATIS**	
Transmitter Frequency	156.025-157.425 MHz			26.965 - 27.980 MHz	
Output power	25 W/1 W selectable		Operational from handset	4 W	
Transmitter protection	open/short circuit of antenna				
Max Freq deviation	+/- 5 kHz				
Spurious and harmonics	80 dBc at 25 W, 60 dBc at 1 W	better than 2.5 µW		better than 2.5 µW	Better than -65 dBc
Modulation distortion	Less than 4% at 1 kHz for a +/-3 kHz deviation				
Receiver Frequency	156.025-163.275 MHz				26.965 - 27.980 MHz
12dB SINAD sensitivity	0.25 µV (distant) / 2.5 µV (local)				0.5 µV (distant) 12.0 µV (local)
20dB SINAD sensitivity	0.35 µV (distant) 3.5 µV (local)				
Adjacent CH selectivity	More than 70 dB	More than 70 dB		More than 70 dB	-36 dB @ ± 6 kHz; -60 dB @ ± 10 kHz
Spurious response	More than 70 dB	More than 70 dB		More than 70 dB	
Intermodulation Rejection Ratio	More than 68 dB	More than 68 dB		More than 68 dB	60dB, 20 kHz channel specs
Residual Noise Level	More than -40 dB unsquelched				
Audio output power	2 W (with 8 Ω at 10% distortion) 4 W with 4 Ω external speaker	40 mm speaker - 0.5 W (1 W max.)		2 W (with 8 Ω at 10% distortion) 4 W with 4 Ω external speaker	1 W @ 16 Ω, 4 W @ 4 Ω w/ ext. speaker
Compass safe distance	Speaker: 1.5 ft (0.45 m)				

\* US Model

\*\* EU Model