

SPECIFICATIONS

GENERAL

- Frequency range : 118.000–136.975 MHz
- Channel spacing : 8.33/25 kHz auto selection
- Mode : 6K00A3E (AM)
- No. of memory Ch. : 20
- Antenna connector : SO-239 (50 Ω)
- Power supply requirement:
(negative ground) : 13.75 V DC or 27.5 V DC automatic selection
- Current drain (at 13.75 V DC):
Transmitting : 5.0 A max.
Receiving : 4.0 A (at AF max.)
0.5 A (at stand-by)
- Operating temperature range:
: –20°C to +55°C
- Frequency stability : ±1 ppm (0°C to +40°C)
- Dimensions : 150(W)×50(H)×180(D) mm (projections not incl.)
- Weight (approx.) : 1.5 kg; 3 lb 5 oz

Measurements made in accordance with RTCA D0-186a (Class C/E, Class 4/6) or EN 300 676. All stated specifications are and subject to change without notice or obligation.

TRANSMITTER

- Output power : 36 W typ. pep (9 W typ. for CW)
- Modulation limiting : 70–100%
- Modulation compression: Linear 85%
Max. 95%
- AF harmonic distortion : Less than 10% (at 85% mod.)
- Hum and Noise ratio : More than 40 dB
- Spurious emissions :
9 kHz to 1 GHz : Less than –46 dBm
(Less than –36 dBm for harmonics in 30 MHz to 1 GHz range)
- 1–4 GHz : Less than –40 dBm
(Less than –30 dBm for harmonics)
- Adjacent Ch. power : Less than 60 dB (25 kHz)
Less than 50 dB (8.33 kHz)
- Microphone connector : 8-pin modular (600 Ω)

RECEIVER

- Receiving system : Double conversion super-heterodyne
- Intermediate freq. : 1st 38.85 MHz
2nd 450 kHz
- Sensitivity (pd) :
Less than +5 dBμV
(at 12 dB SINAD)
- Squelch sensitivity (pd; at threshold):
Less than –6 dBμV
- Selectivity :
25 kHz Ch. spacing : More than ±8 kHz (at –6dB)
Less than ±17 kHz (at –40dB)
Less than ±25 kHz (at –60dB)
- 8.33 kHz Ch. spacing : More than ±2.778 kHz (at –6dB)
Less than ±7.37 kHz (at –60dB)
- Spurious response :
More than 70 dB
- Intermodulation rejection ratio:
More than 64 dB
- Blocking/desensitisation: More than 70 dB
- Cross modulation rejection:
More than 70 dB
- Audio output power (at 13.75 V; 10% dist.; 60% mod.):
Internal speaker : 1.5 W typical w/8 Ω load
External speaker : More than 10.0 W w/8 Ω load
Headset (side tone) : More than 0.1 W w/500 Ω load
- AF output impedance : EXT SP 8 Ω
Headset (side tone) 500 Ω

Applicable U.S. Military Specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810 C		MIL 810 D		MIL 810 E	
	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I
Solar Radiation	505.1	I	505.2	I	505.3	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III
Salt Fog	509.1	I	509.2	I	509.3	I
Dust	510.1	I	510.2	I	510.3	I
Vibration	514.2	VIII, X	514.3	I	514.4	I
Shock	516.2	I, II, IV	516.3	I, IV	516.4	I, IV