

General

		IC-A25NE	IC-A25CE
NAV and COM		NAV and COM channels	COM channels
Frequency range	Tx	118.000–136.992 MHz	
	Rx	108.000–136.992 MHz	118.000–136.992 MHz
Number of memory channels		300 channels/15 groups	
Channel spacing		25/8.33 kHz	
Type of emission		6K80A3E, 5K00A3E	
Power supply requirement		7.2 V DC (BP-288), 11.0 V DC (External DC Jack)	
Current drain (approximately)	Tx High	Less than 1.8 A	
	Rx Max. audio/Stand-by	Less than 500 mA 90 mA typ. (GPS, Bluetooth, Light: OFF)	
Antenna impedance		50 Ω	
Operating temperature range		–20 °C to +55 °C	
Dimensions (W × H × D; (Projections not included)		58.9 × 148.4 × 31.8 mm	
Weight (approximately)		340 g (with BP-288)	

Transmitter

	IC-A25NE	IC-A25CE
Output power (at 7.2 V DC)	6.0/1.8 W (PEP/carrier)	
Audio harmonic distortion	Less than 10% (at 85% modulation)	
Harmonics Spurious emissions	Less than –36 dBm (except operation frequency ±1 MHz)	
Frequency stability	±1 ppm	

Receiver

		IC-A25NE	IC-A25CE
Intermediate frequencies		46.35 MHz/450 kHz (1st/2nd)	
Sensitivity	NAV (6 dB S/N)	Less than 0 dBμ	
	COM (12 dB SINAD)	Less than 0 dBμ (with CCITT filter)	
Squelch sensitivity (at threshold)		Less than 0 dBμ	
Adjacent channel rejection		More than 60 dB	
Spurious response		More than 70 dB	
Hum and noise		More than 40 dB (at 90% modulation)	
Audio output power		More than 350 mW typ. (8 Ω load/60% modulation at 10% distortion)	
Ext. speaker connector		3-conductor 3.5 (d) mm (1/8")/8 Ω	

Measurements made in accordance with EN300 676-2.

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

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

Applicable U.S. Military Specifications

Standard	MIL-810 G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	—
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810 -C, -D, -E and -F.

Applicable IP Rating

Ingress Protection Standard	
Dust & Water	IP57 (Dust-protection and Waterproof* protection) * One meter depth for 30 minutes.

Some functions and options will be available in the future.