13. SPECIFICATIONS

Amateur Radio Directory
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■ GENERAL

• Frequency coverage	:	U.S.A. version	*140.1000 ~ 150.0000MHz
		Europe version	144.0000 ~ 146.0000MHz
		Australia version	144.0000 ~ 148.0000MHz
		Sweden version	144.0000 ~ 146.0000MHz
		*Specifications guaranteed from 143.8000 to 148.2000MHz	
• Number of memory channels	:	99 channels plus P1, P2 and CALL CHANNEL	
• Antenna impedance	:	50Ω unbalanced	
• Frequency stability	:	±5ppm (−10°C ~ +60°C)	
• Power supply requirement	:	IC-275H 13.8V DC ±15%	
		IC-275A 117V AC ±10% (U.S.A. version)	
		IC-275A 240V AC ±10% (Australia version)	
		IC-275E 240V AC ±10%	

• Current drain (at 13.8V DC)	:	Transmitting	IC-275H	HIGH (100W) Approx.	20.0A
				LOW (10W) Approx.	6.0A
			IC-275A/E	HIGH (25W) Approx.	6.0A
				LOW (2.5W) Approx.	3.0A
		Receiving	IC-275A/E/H	At max. audio Approx.	1.0A
				Squelched Approx.	0.9A

• Dimensions	:	241(W) x 95(H) x 239(D)mm, 9.5(W) x 3.7(H) x 9.4(D) in Projections not included.
• Weight	:	IC-275H 6.0kg (13.2 lb) IC-275A/E 6.2kg (13.7 lb)
• Usable temperature range	:	−10°C ~ +60°C (+14°F ~ +140°F)

■ TRANSMITTER

• Emission modes	:	FM (F3), SSB (A3J), CW (A1)
• RF output power	:	IC-275H 10 ~ 100W continuously adjustable
		IC-275A/E 2.5 ~ 25W continuously adjustable
• Modulation system	:	FM Variable reactance frequency modulation
		SSB Balanced modulation
• Maximum frequency deviation	:	±5kHz (FM mode)
• Spurious output	:	More than 60dB below peak output power
• Carrier suppression	:	More than 40dB below peak output power
• Unwanted sideband	:	More than 40dB down with 1000Hz AF input
• Microphone impedance	:	600Ω

■ RECEIVER

• Receive system	:	Double conversion superheterodyne	
• Receive modes	:	FM (F3), SSB (A3J), CW (A1)	
• Intermediate frequencies	:	1st 10.75MHz (FM, SSB)	10.7491MHz (CW)
		2nd 455kHz (All modes)	
• Sensitivity (with a 50Ω load)	:	FM	Less than 0.18μV for 12dB SINAD
			Less than 0.25μV for 20dB NQL
		SSB, CW	Less than 0.1μV for 10dB S/N
• Squelch sensitivity	:	FM	Less than 0.1μV
		SSB	Less than 0.56μV
• Selectivity	:	FM	15.0kHz/6dB 30.0kHz/60dB
		SSB, CW	2.2kHz/6dB 4.2kHz/60dB
• Spurious response rejection	:	More than 70dB	
• Audio output impedance	:	8Ω	
• Audio output power	:	More than 2W at 10% distortion with an 8Ω load	
• RIT variable range	:	±9.99kHz	

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