

## KEY FEATURES

Rapid drop-in charging—now you can charge your radio in three hours with the included drop-in rapid charger

Programmable function controls

Voice-activated transmission (VOX) capabilities\*—for hands-free communications via an optional headset

Four channels allow you to communicate with separate workgroups

Eight-character alphanumeric display, with user-friendly icons to make information clear and easy to read

High power: 5 watt (VHF) or 4 watt (UHF). Adjustable power levels help save battery life

Four front programmable buttons for such features as

- Priority scan ON/OFF
- Adjustable power levels to save battery life
- Backlight ON/OFF
- Keypad lock so users won't change channels accidentally

Durable, lightweight design for optimal portability—ideal for employees on the move

Meets military 810 C, D and E specifications for shock, vibration, water, dust and temperature extremes

Long-lasting battery life—up to 11 hours of battery life, more than enough for a long work shift



\*Audio accessory required, sold separately.

# Radius<sup>®</sup> CP125<sup>™</sup>

## Two-Way Radio

### Simple, Cost-Effective Business Communications

The Radius<sup>®</sup> CP125<sup>™</sup> provides instant communication that's powerful and dependable combined with simple operation. It keeps employees in touch, always able to respond to anything from a simple question to a request from a manager to an emergency. The Radius<sup>®</sup> CP125<sup>™</sup> is the right choice for businesses seeking reliable performance and exceptional value.

#### BUSINESS BENEFITS

- Improve response time
- Enhance safety and security
- Empower employees to accomplish more in less time
- Increase overall customer service and satisfaction
- Save money monthly over alternative technologies

GENERAL SPECIFICATIONS	VHF OR UHF
Dimensions with Standard NiMH Battery	4.55" x 2.20" x 1.81" (115.5 mm x 56 mm x 46.05 mm)
Weight with Standard NiMH Battery	11.5 oz (327 g)
Average Battery Life (5/5/90 Duty Cycle):	
Standard Capacity NiMH Battery	
High Power (5W/4W)	Up to 8 hours
Low Power (2W)	Up to 11 hours
Model Number	AAH49KDF8AA1_C / AAH49RCF8AA1_C
Frequency Range	136–174 MHz / 435–480 MHz
Channel Spacing	12.5 / 25 kHz switchable
Operating Temperature Range	-30 to +60° C
Sealing	Meets rain testing per IPX4
Shock/Vibration	Diecast with impact resistance polycarbonate housing passes EIA RS-316B
Dust/Humidity	Weather resistant housing passes EIA RS-316B
Frequency Stability	+/- 2.5 ppm

TRANSMITTER SPECIFICATIONS	
RF Power Output	2W or 5W / 2W or 4W
Conducted Emissions	-63dBc
FM Hum and Noise	-40dB
Modulation Limiting	+/- 5 kHz (25 kHz), +/- 2.5 kHz (12.5 kHz)
Audio Response (0.33 kHz)	+1 to -3dB
Audio Distortion	5%

RECEIVER SPECIFICATIONS	
Sensitivity (12dB SINAD)	0.25 uV (-119dBm)
Intermodulation	65dB (25 kHz) / 65dB (25 kHz) 60dB (12.5 kHz) / 60dB (12.5 kHz)
Selectivity	65dB (25 kHz) / 65dB (25 kHz) 60dB (12.5 kHz) / 60dB (12.5 kHz)
Spurious Rejection	65dB (25 kHz) / 65dB (25 kHz) 60dB (12.5 kHz) / 60dB (12.5 kHz)
Audio Output @ <5% Distortion (7.5V / room temperature)	500 mW into 24 ohm
Audio Distortion	5%
Hum and Noise	-40dB
Conducted Spurious Emissions	-57dBm

MILITARY STANDARDS 810 C, D, E	METHODS	PROCEDURES
High Temperature	501.3	1
Low Temperature	502.3	1,2
Temperature Shock	503.3	1
Solar Radiation	505.3	1
Humidity	507.3	3
Salt Fog	509.3	1
Dust	210.3	1
Vibration	514.3	1



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RD-EU-CP125SP

For more information visit [www.motorola.com](http://www.motorola.com) or contact:



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