## **SPECIFICATION SHEET**



## **KEY FEATURES**

#### Signalling

- Private Line<sup>™</sup>
- 5-tone selective signalling

### Adaptable and versatile

- Option board capable
- Easily programmed in the field to support additional features

#### Easy to use and set-up

- Programmable buttons for easy access to frequently used features
- Ruggedised design and compelling user interface
- Simple menus and alpha-numeric phonebook

#### **Protecting users**

- Emergency signalling
- Lone worker feature for staff working remotely
- Whisper mode for discreet communications
- Caller identification

#### Quality

- MIL Spec 810 compliant
- Meets IP54 environmental standards
- Passed Motorola Accelerated Life Test
- X-Pand<sup>™</sup> voice compression technology

#### Efficiency

- Channel scanning
- Call management features include call forwarding, escalating incoming call alert and missed calls list

#### Included as standard

- Battery
- Antenna
- Belt clip

ough Communication

CIENCV II

- Accessory dust cover
- User manual

#### Accessory options

A wide range of accessory options are available to customise your radio

- Audio accessories
- Batteries and chargers
- Carry options For full details of available accessories, please contact your local dealer or distributor



The GP360, one of the market-leading radios in Motorola's Professional Series, is an effective communication solution for larger organisations with many teams. The radio offers broad functionality; an easy-to-use menu with navigation keys for productivity, whilst security features protect users working alone or remotely.

With option board capability and a wide range of accessories available within the Professional Series; it's easy to build a tailored communications solution to meet your needs.

# **SPECIFICATIONS**

GENERAL SPECIFICATIONS		
Channel Capacity	255	
Power Supply	Rechargeable battery 7.5v	
Dimensions: H x W x D (mm)	Height excluding knobs	
With Standard high capacity NiMH battery	137 x 57.5 x 37.5	
With Ultra high capacity NiMH battery	137 x 57.5 x 40.0	
With NiCD	137 x 57.5 x 40.0	
With Li-lon battery	137 x 57.5 x 33.0	
Weight: (gm)		
With Standard high capacity NiMH battery	428	
With Ultra high capacity NiMH battery	508	
With NiCD battery	458	
With Li-lon battery	358	
Average battery Life @5/5/90 Cycle:	Low Power	High Power
With Standard high capacity NiMH battery	11 hours	8 hours
With Ultra high capacity NiMH battery	14 hours	11 hours
With NiCD battery	12 hours	9 hours
With Li-Ion	11 hours	8 hours
Sealing:	Withstands rain testing per MIL STD 810 C/D/E and IP54	
Shock and Vibration:	Protection provided via impact resistant	
	housing exceeding MIL STD 810-C/D/E and	
	TIA/EIA 603	
•	Protection provided via environment	
	resistant housing exceeding	
	VIL STD 810 C/D/E and TIA/EIA 603	
Operating temperature:	-20°C to +55°C	

810D

Procedures

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Methods

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514.3

516.3

TRANSMITTER		
*Frequencies - Full Bandsplit	VHF: 136-174 MHz	
	UHF: 403-470 MHz	
Channel Spacing	12.5/20/25 kHz	
Frequency Stability	±2.5 ppm	
(-25°C to +55°C, + 25°C Ref.)		
Power	136-174: 1-5W	
	403-470: 1-4W	
Modulation Limiting	±2.5 @ 12.5 kHz	
	±4.0 @ 20kHz	
	±5.0 @ 25 kHz	
FM Hum & Noise	-40 dB typical	
Conducted/Radiated Emission	-36 dBm <1 GHz	
	-30 dBm >1 GHz	
Adjacent Channel Power	-60 dB @ 12.6 kHz	
	-70 dB @ 20/25 kHz	
Audio Response (300-3000Hz)	+1 to -3dB	
Audio Distortion	3%	

RECIEVER		
*Frequencies - Full Bandsplit	VHF: 136-174 MHz	
	UHF: 403-470 MHz	
Channel Spacing	cing 12.5/20/25 kHz	
Frequency Stability	±2.5 ppm	
(-25°C to +55°C, + 25°C Ref.)		
Sensitivity (12 dB SINAD) EIA	.25 µV typical	
Sensitivity (20 dB SINAD) EN	.50 µV typical	
Intermodulation EIA	70 dB	
Adjacent Channel Selectivity	60 dB @ 12.5 kHz	
	70 dB @ 20/25 kHz	
Spurious Rejection	70 dB	
Rated Audio	0.5W	
Audio Distortion		
@ Rated Audio	3% typical	
Hum & Noise	-40 dB @ 12.5 kHz	
	-50 dB @ 20/25 kHz	
Audio Response (300-3000 Hz)	+ 1 to -3 dB	
Conduncted Spurious Emission	-57 dBm <1 GHz	
	-47 dBm >1 GHz	
	EN 300 086	

Data for +25°C unless otherwise specified

Applicable MIL-STD Methods

Low Pressure

Temp. Shock

Rain

Dust

Humidity

Salt Fog

Vibration

Shock

Solar Radiation

High Temperature

Low Temperature

PORTABLE MILITARY STANDARDS 810 C, D & E 810C

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Procedures

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\*Availability subject to individual country's law and regulations.

Specifications are subject to change without notice and are issued for guidance only.

All specifications listed are typical. Radios meet applicable regulatory requirements.

Conforms to EC directive 89/336/EEC

Complies with EN 300 113

Contact your local Motorola Authorised Dealer to find out more about how communicating with the Professional Radio series will benefit your organisation.

810E

Procedures

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Methods

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510.3

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For more information please contact your local Motorola Authorised Dealer or Distributor



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