

## KEY FEATURES

**Signalling**

- Private Line™
- 5-tone selective signalling

**Adaptable and versatile**

- Option board expandability
- 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
- Full keypad allows easy telephone interconnect

**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™ 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
- 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*



# GP380

One Radio. Endless Possibilities.

The GP380, one of the market-leading radios in Motorola's Professional Series, is an effective feature-packed communication solution for any organisation. The radio offers broad functionality; an easy-to-use menu with full keypad 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

<b>Channel Capacity</b>	255	
<b>Power Supply</b>	Rechargeable battery 7.5v	
<b>Dimensions: H x W x D (mm)</b>	Height excluding knobs	
<b>With Standard high capacity NiMH battery</b>	137 x 57.5 x 37.5	
<b>With ultra high capacity NiMH battery</b>	137 x 57.5 x 40.0	
<b>With NiCD battery</b>	137 x 57.5 x 40.0	
<b>With Li-Ion battery</b>	137 x 57.5 x 33.0	
<b>Weight: (gm)</b>		
<b>With Standard high capacity NiMH battery</b>	428	
<b>With Ultra high capacity NiMH battery</b>	508	
<b>With NiCD battery</b>	458	
<b>With Li-Ion battery</b>	358	
<b>Average battery Life @5/5/90 Cycle:</b>	<b>Low Power</b>	<b>High Power</b>
<b>With Standard high capacity NiMH battery</b>	11 hours	8 hours
<b>With Ultra high capacity NiMH battery</b>	14 hours	11 hours
<b>With NiCD battery</b>	12 hours	9 hours
<b>With Li-Ion</b>	11 hours	8 hours

## GENERAL SPECIFICATIONS (continued)

<b>Sealing:</b>	Withstands rain testing per MIL STD 810 C/D/E and IP54
<b>Shock and Vibration:</b>	Protection provided via impact resistant housing exceeding MIL STD 810-C/D/E and TIA/EIA 603
<b>Dust and Humidity:</b>	Protection provided via environment resistant housing exceeding MIL STD 810-C/D/E and TIA/EIA 603
<b>Operating temperature:</b>	-20°C to +55°C

Data is specified for +25°C unless otherwise stated.

## PORTABLE MILITARY STANDARDS 810 C, D & E

Applicable MIL-STD	810C		810D		810E	
	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	2	500.3	2
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2
Low Temperature	502.2	1	502.2	1,2	502.3	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1
Solar Radiation	505.1	1	505.2	1	505.3	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3
Salt Fog	509.1	1	509.2	1	509.3	1
Dust	510.1	1	510.2	1	510.3	1
Vibration	514.2	8,10	514.3	1	514.4	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4

## TRANSMITTER

<b>*Frequencies - Full Bandsplit</b>	VHF: 136-174 MHz UHF: 403-470 MHz	LB1: 29.7-42 MHz LB2: 35-50 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz	12.5/20/25 kHz
<b>Frequency Stability (-25°C to +55°C, + 25°C Ref.)</b>	±2.5 ppm	±10 ppm
<b>Power</b>	136-174: 1-5W 403-470: 1-4W 403-470: 1-4W	1-6W
<b>Modulation Limiting</b>	±2.5 @ 12.5 kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz	±2.5 @ 12.5kHz ±4.0 @ 20 kHz ±5.0 @ 25 kHz
<b>FM Hum &amp; Noise</b>	-40 dB typical	
<b>Conducted/Radiated Emission</b>	-36 dBm <1 GHz -30 dBm >1GHz	-36 dBm <1000MHz -30 dBm <1000MHz
<b>Adjacent Channel Power</b>	-60 dB @ 12.5 kHz -70 dB @ 20/25 kHz	-60 dB @ 12.5 kHz -70 dB @ 25 kHz
<b>Audio Response (300-3000Hz)</b>	+1 to -3 dB	
<b>Audio Distortion</b>	3%	

## RECEIVER

<b>*Frequencies - Full Bandsplit</b>	VHF: 136-174 MHz UHF: 403-470 MHz	LB1: 29.7-42 MHz LB2: 35-50 MHz
<b>Channel Spacing</b>	12.5/20/25 kHz	12.5/20/25 kHz
<b>Sensitivity (12 dB SINAD) EIA</b>	.25µV typical	
<b>Sensitivity (20 dB SINAD) EN</b>	.50µV typical	
<b>Intermodulation EIA</b>	70 dB	
<b>Adjacent Channel Selectivity</b>	60 dB @ 12.5 kHz 70 dB @ 20/25 kHz	60 dB @ 12.5 kHz 70 dB @ 25 kHz
<b>Spurious Rejection</b>	70 dB	
<b>Rated Audio</b>	0.5W	
<b>Audio Distortion @ Rated Audio</b>	3% typical	
<b>Hum &amp; Noise</b>	-40 dB @ 12.5 kHz -50 @ 20/25 kHz	-45 @12.5 kHz -50 @ 20/25 kHz
<b>Audio Response (300-3000 Hz)</b>	+1 to -3 dB	
<b>Conducted Spurious Emission</b>	-57 dBm <1 GHz -47 dBm <1 GHz EN 300 086	-57 dBm <1 GHz -47 dBm <1 GHz FCC Part 15

\*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.



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For more information contact your local Motorola Authorised Two-Way Radio Dealer.

