FEATURES/BENEFITS

Provides Unmatched Flexibility in a Compact Design
- Analog operation in conventional systems
- Software based design allows for future system applications
- 100-25 Watt, 40-1 Watt, and 30-1 Watt variable power models (VHF)
- 100-25 Watt, 40-2 Watt, and 30-2 Watt variable power models (UHF)
- Compact dimensions, 3 Rack Units (5.25” or 13.3 cm), utilize expensive site space efficiently
- 12.5 or 25/30 kHz programmable channel spacing
- Standard EIA 19” rack mount configuration
- Lightweight (40 lbs./19 kg.)

Shortens Installation and Maintenance Time
- Programming and diagnostic testing performed through a personal computer
- Functionally separate modules: Field Replaceable Units (FRU)
- Software-based design simplifies upgrades
- Easy access to station ports

Contributes to Maximizing System Up Time
- Microprocessor based design with integrated DSP capability
- Switching power supply functions over a wide range of voltages and frequencies
- RSS diagnostics and metering
- Functionally separate modules: Field Replaceable Units (FRU)
## GENERAL SPECIFICATIONS

### VHF

<table>
<thead>
<tr>
<th>Application</th>
<th>System Software Option</th>
<th>Power/Band Option</th>
<th>RF Power Output</th>
<th>Receiver Band Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional Analog</td>
<td></td>
<td>X345 (132-174 MHz)</td>
<td>30-1</td>
<td>X319 (132-174 MHz)</td>
</tr>
<tr>
<td>SMARTNET 8890 Analog Trunking</td>
<td></td>
<td>X330 (132-174 MHz, 150-174 MHz)</td>
<td>40-2</td>
<td>X340 (403-470 MHz)</td>
</tr>
<tr>
<td>SmartZone 8890 Analog Trunking</td>
<td></td>
<td>X51</td>
<td>100-25</td>
<td></td>
</tr>
</tbody>
</table>

### UHF

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<th>RF Power Output</th>
<th>Receiver Band Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional Analog</td>
<td></td>
<td>X341 (403-470 MHz)</td>
<td>3D-2</td>
<td>X320 (403-470 MHz)</td>
</tr>
<tr>
<td>SMARTNET 8890 Analog Trunking</td>
<td></td>
<td>X330 (132-174 MHz, 150-174 MHz)</td>
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<td>X51</td>
<td>100-25</td>
<td></td>
</tr>
</tbody>
</table>

### Frequency Range in MHz
- X997: X330 (132-174 MHz)
- X597: X320 (403-470 MHz)
- X51: X530 (132-154 MHz, 150-174 MHz)
- X52: X540 (403-435 MHz, 435-470 MHz)

### Temperature Range
- -30°C to 46°C

### Modulation
- FM

### Antenna Connectors
- SmartZone: 30-1 (132-174 MHz) 100-25 (132-174 MHz)
- SmartZone: 40-2 (132-174 MHz) 100-25 (132-174 MHz)

### Input Voltage AC
- 85-264VAC, 47-63Hz

### Specifications

<table>
<thead>
<tr>
<th>Optional DC Only Operation</th>
<th>14.2 VDC (100 Watt Station)</th>
<th>28.6 VDC (100 Watt Station)</th>
</tr>
</thead>
</table>

### Customer Communications

- Frequency Range in MHz
- Type Power Output in Watts
- Type Acceptance Number

### FCC

- Frequency Ranges in MHz
- Type Power Output in Watts
- Type Acceptance Number

### Motorola U.S.A.

Motorola U.S.A. 1301 E. Algonquin Road Schaumburg, Illinois 60196 In the U.S. call: 1-888-967-7347

### Motorola Canada Limited

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