

FRONT MOUNT

micom3F



125-Watt HF-SSB TRANSCEIVER

*The most reliable partner
for any mission*



125-Watt HF-SSB TRANSCEIVER 1.6-30 MHz

The micom3F is a 125 Watt HF transceiver providing the highest level of reliability for long-range wireless communications of voice, fax, e-mail and data. The front-panel micom3F radio serves as a fixed or mobile unit.

With the most advanced technology and the latest features, the micom3F provides superb radio communication dependability and functionality and is priced to meet the needs of a wide range of organizations. An upgraded version of the micom2E—successfully used by thousands of organizations worldwide—the micom3F complies with the world's strictest standards for radio communication equipment, including MIL-STD-810, ALE per MIL-STD-188-141B and FED-STD-1045.

The micom3F provides users with essential benefits and features

Establishing a radio link is always fast and simple

- **Automatic Link Establishment per MIL-STD-1045 & MIL-STD-188-141B standards.**
- **ISB-ready (Independent Side Band).**
- Full interoperability with other manufacturers' radios complying with the same ALE standards.

Voice that's loud & clear

- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communication clarity.
- Selectable bandwidth allows fine tuning for optimal voice and data communications.
- Voice-activated digital squelch.

User-friendliness

- New control head features a large LCD, full-dot matrix digital display and an enhanced keyboard for programming and set-up. Radio operation can also be performed using a PC and programming application as well as a USB keyboard.
- Multiple language display available.
- Remote control configuration allows the transceiver to be operated from a remote location using optional 2 wire remote control head.

Years of trouble-free, most advanced communications

- Upgrading to future technologies is easily done by installing new software into the transceiver's DSP unit.



188-141B
810



ABZ9QCC1634
ABZ9QCC1635
15,80,90

- Easily replaceable digital components ensure cost-effective maintenance.
- Very high MTBF, as with all Micom radios.
- Unique Built-In self Test system provides exceptional dependability.

Comprehensive communication and networking services

- Office-quality communication services integrating fax, e-mail and data transmission and reception.
- **MultiNet** enabling integration of different HF radio networks into one seamless network, allowing excellent coordination between different operational nets.
- AMD (Automatic Message Display) for free and pre-set text messages.
- **GPS** embedded application (optional).
- Accessory port for multiple point-to-point communications.
- Secure voice and data.

A proven family of radio products

- The micom3F is member of the Micom transceiver family—fixed and mobile stations—covering the long-range wireless communication needs of thousands of organizations world-wide.

Major accessories:

- Automatic telephone interconnect
- FM to HF repeater
- ATUs
- Antenna systems
- HF modems
- Secure voice and data
- AC power supply



Specifications:

Model: M90AMN0KV5-K

Frequency range: 1.6–30 MHz

Number of channels: 200

Transmission: 125 Watt PEP average

Reception: 100 KHz–30 MHz Rx

Operating voltage: 13.8 V ±20%

24 V operation (option)

Audio bandwidth: 350 to 2700 Hz

Data: 300 to 3300 Hz

Frequency stability: 0.6 PPM (0.1 PPM optional)

Frequency resolution: 10 Hz

Operating temperature range:

-30°C to +60°C / -22°F to +140°F

Humidity: 95% @ 50°C / 122°F

Sensitivity (SINAD):

SSB: 0.3 µV for 10 dB SINAD

Dimensions:

Height: 92 mm / 3.7 inch

Width: 302 mm / 11.9 inch

Depth: 270 mm / 10.7 inch

Weight: 5.7 Kg / 12.5 Lbs

Options:

PC control and programming software package

USB for external keyboard

micomLink interface

ALE DTM/DBM

2 wire remote control head

Interface for secure voice device VP116

Mobat USA

1721 West Paul Dirac Dr.

Tallahassee, Florida 32310

Tel: 850 580 0420 · Fax: 850 580 2626

marketing@mobatusa.com · www.mobat.com

Mobat

A Tadiran Communications Division

3 Israeli Shimon St., P.O. B 5090, Rishon le Zion 75151 Israel

Tel: 972 3 951 8050 · Fax: 972 3 952 7233

marketing@mobat.com · www.mobat.com