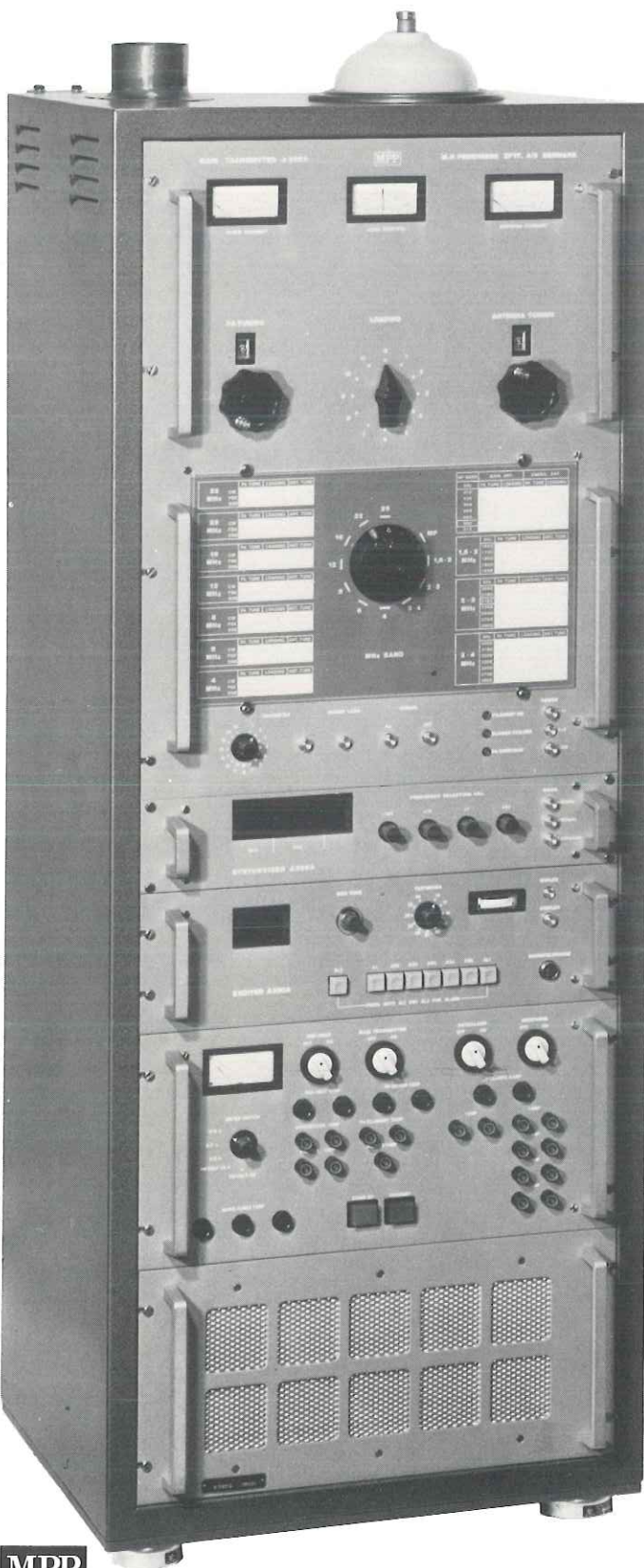




1500 Watt Full Main transmitter A350A



- Synthesized frequency
- Rapid tuning
- Excellent frequency stability
- High reliability
- Modular construction
- Excellent duplex performance
- Built-in test facility
- Key board mode selector
- Frequency and mode display

The A350A transmitter is a 1500 W synthesized main transmitter for use in merchant ships.

The transmitter operates on all maritime mobile bands from 405 kHz to 25.6 MHz and with all types of emission used for telegraphy, telephony and telex transmission.

The transmitter complies with all relevant international rules and recommendations and a number of national regulations.

All transmitting frequencies are derived from one standard frequency unit of exceptional stability and accuracy. The frequency synthesizer covers all bands in 100 Hz steps, controlled by four decade switches.

The actual selected frequency is displayed on the synthesizer unit.

Separate push-buttons for 500 kHz and 2182 kHz make selection of these frequencies possible independent of the synthesizer circuits.

The type of emission is selected on a keyboard and displayed on the exciter-unit.

A Radiotelephone alarm signal generator is included in this unit with the proper audible test possibility and protection against accidental activation.

The tuning of the power amplifier is simplified by reducing the number of knobs and making several adjustment automatic when pressing the tune-buttons. The resulting tuning procedure is simple and clear.

The electrical circuits design makes full use of available modern semiconductor components to obtain a simplified, very reliable transmitter, optimized for the intended application.

The transmitter has a perfect tone on CW and a very low broadband noise level on SSB giving a very good duplex telephony performance.

The electrical circuits are contained in a number of preadjusted plug-in modules. This makes service, by module replacement, very simple and fast.



Testmeters on exciter, power amplifier and power supply front panels can be used to monitor all important AC, DC and RF signal levels to locate a defective module.

The transmitter is provided with a built-in dummy load in accordance with the SOLAR 1974 convention.

The complete A350A transmitter is constructed in 19" standard rack modules and divided in the following five units starting from top of cabinet:

Power amplifier unit with antenna matching networks.

Synthesizer unit with selectors and display for frequency.

Exciter unit with selector and display for type of emission.

Switch panel unit with switches and fuses for all units and AC supply for receivers.

Power unit consisting of blower panel behind which the main rectifier is mounted.

All units are mounted on telescopic slides for easy inspection and repair.

The transmitter is designed to work from a 3-phase 50/60 Hz AC supply.

It can be strapped for 3 × 220, 3 × 380 and 3 × 440V.

A350A Specifikation

Frequency range: 405-535 kHz, 1605-1999 kHz, 2000-2999 kHz, 3000-3999 kHz, 4060-4220 kHz, 6200-6330 kHz, 8190-8440 kHz, 12330-12660 kHz, 16460-16860 kHz, 22000-22320 kHz, 25070-25600 kHz.

Frequency selection: Synthesizer 100 Hz steps
Separate 500 kHz and 2182 kHz.

Types of emission: A1 Telegraphy, A2H Telegraphy, A3A Telephony
A3H Telephony, A3J Telephony, F1 Telex
A3H Telephony Alarm Signal.

Power output: 405-535 kHz: 400 W PC, 1605-4000 kHz: 400 W PEP
4-25.6 MHz: 1500 W PEP.

Frequency stability: ± 10 Hz (15 minutes)

Frequency accuracy: ± 100 Hz (4 years)

Unwanted emissions: In accordance with ITU radio regulations and CEPT recommendations.

Temperature range: Operation + 10° C to + 40° C,
Storage + 25° to + 55° C.

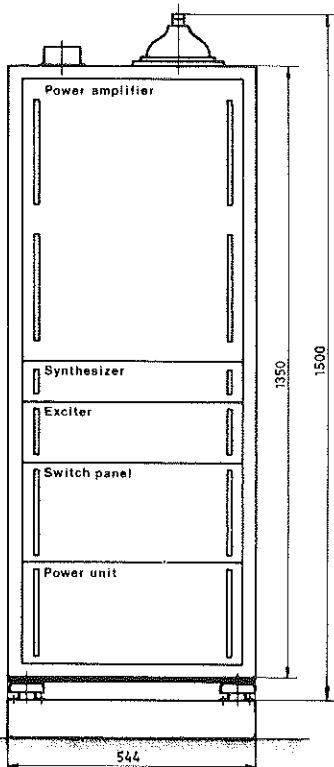
Vibration: CEPT recommendations.

Power supply: AC 3-phase 50/60 Hz, 3 × 220/380/440 V, Max. 3 KVA.

Dimensions:	Cabinet	Total
Height	1350 mm	1500 mm
Width	544 mm	544 mm
Depth	428 mm	500 mm

Weight approx. 190 kg.

Front view.



Side view.

