

# Marconi Spot-frequency Drive Unit Type H 1509 and Assembly Type H 1609

## Six Spot-frequency Drive Unit Type H 1509

This drive unit is designed to operate on six crystal-controlled spot frequencies and to be used with manual and self-tuned transmitters such as the 7½ and 30 kW transmitters described on pages 238 and 239. The drive is also suitable for use with wideband transmitters such as the Type H 1000 described on page 237.

The H 1509 drive unit provides i.s.b., s.s.b., d.s.b., c.w., f.s.k., f.s.k. duplex and f.s.k. facsimile modulation on six crystal-controlled spot frequencies in the range of 1.5-30 MHz. The unit contains its own power supplies and several units may be mounted within a cabinet to suit the customer's requirements.

Provision has been made to enable the drive to be remotely-controlled when used in conjunction with suitable remote control equipment such as that described on pages 247 and 248.

## DATA SUMMARY

**Services:** i.s.b., s.s.b., d.s.b., c.w., f.s.k., f.s.k. duplex, f.s.k. facsimile.

**Frequency range:** 1.5 to 30 MHz.

**Frequency stability:**  $\pm 10$  Hz at frequencies below 10 MHz or  $\pm 1$  part in  $10^6$  above 10 MHz.

**Output level:** 50 mW p.e.p. at 75  $\Omega$  impedance.

**Intermodulation products:** Better than -46 dB for standard two-tone test.

**A.F. input levels:** -30 to 0 dBm into 600  $\Omega$ .

**A.F. bandwidth:** 250 Hz to 6 kHz.

**Keying input:**  $\pm 5$  V to  $\pm 80$  V polar or single current.

**Power supplies:** 100 to 125 V, 200 to 250 V, 50-60 Hz.

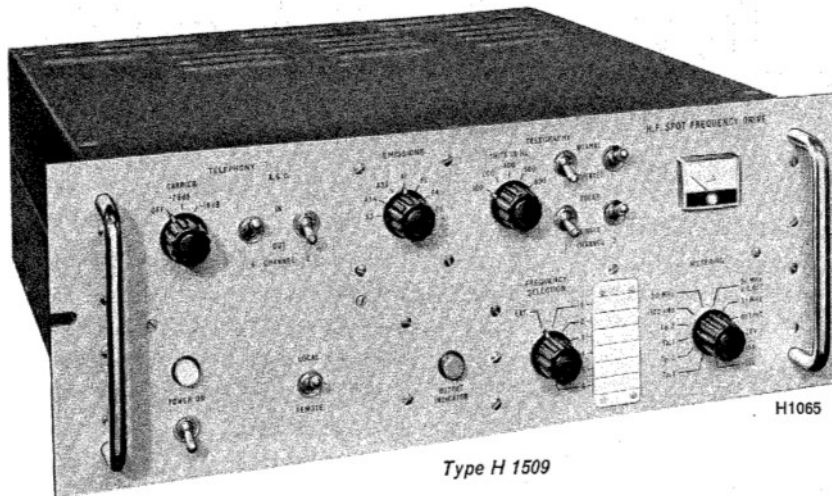
**Environment:** 0-45°C with 95% relative humidity. Altitude up to 8000 ft.

### Dimensions:

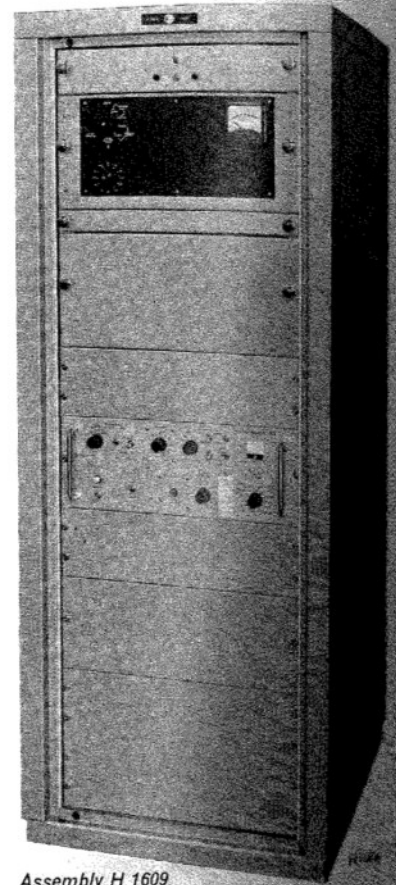
Height 7 in. (17.5 cm)

Width 19 in. (47.5 cm)

Depth 20½ in. (50 cm)



Type H 1509



Assembly H 1609

## Spot frequency Drive Assembly Type H 1609

The H 1609 drive assembly is a cabinet containing up to four drive units Type H 1509 or two drive units and two wide-band assemblies Type H 1001 (see page 232).

### Dimensions:

Height 5 ft 4 in. (1.624 m)

Width 2 ft 1 in. (63.5 cm)

Depth 2 ft 4 in. (71.1 cm)

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