

Frequency stability: From -10°C to 70°C .
 $\pm 0.002\%$ on low bands.
 $\pm 0.0015\%$ on high bands.

Modulator response: ± 3 dB from 300 to 3000 c/s relative to 1000 c/s.

Modulation capability: 100%.

Spurious radiations: Less than $2 \mu\text{W}$.

Microphone handset: Electromagnetic.

Public address: The modulator can be used for P.A. purposes by connection of the P.A. speaker and the appropriate switch set to P.A.

RECEIVER

Intermediate frequencies:

Type HP 57: 1st IF, 14.5 Mc/s.
 2nd IF (employing block filters), 1 Mc/s.

Type HP 58: 10.7 Mc/s.

Frequency stability: 0.002% over the temperature range -10°C to 70°C on low bands and 0.0015% on high bands.

Spurious responses:

Type HP 57: Better than 85 dB down.

Type HP 58: Better than 80 dB down.

Sensitivity: 0.5 W for 0.5 μV input.

Selectivity: 6 dB down, not less than ± 14 kc/s. 72 dB down, not less than ± 22 kc/s. For 25 kc/s channel spacing.

Signal-plus-noise to noise ratio: 8 to 16 dB for an input of 0.5 μV modulated 30% at 1000 c/s. This is dependent on the frequency range.

Audio power output: 1 W maximum, with less than 10% distortion for an internal loudspeaker. 2 W available for an external loudspeaker.

Automatic gain control: Flat to within 2 dB from +12 dB to +80 dB above 0.5 μV .

Mute: An electronic mute is incorporated and is preset to open from 0.3 μV upwards.

Dimensions:

Type HP 57

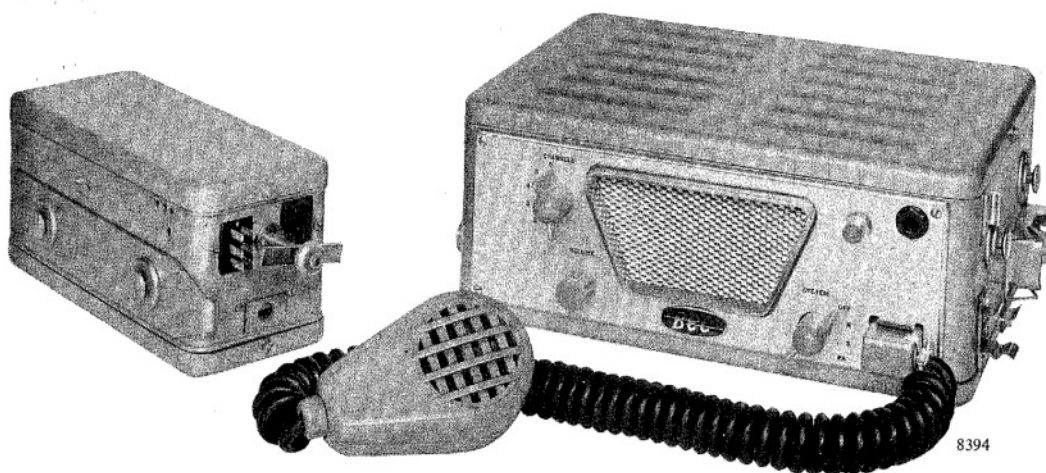
Height	Width	Depth	Weight
6½ in.	15¾ in.	15 in.	36 lb
(16.5 cm)	(40.0 cm)	(38.1 cm)	(16.34 kg)

Type HP 58

4¾ in.	11¾ in.	8½ in.	15 lb
(11.8 cm)	(29.6 cm)	(21.7 cm)	(6.8 kg)

Power supply unit

5½ in.	3¾ in.	8¾ in.	8½ lb
(14 cm)	(8.8 cm)	(22.2 cm)	(3.9 kg)



Transmitter/Receiver Type HP 58.

Marconi

Marconi's Wireless Telegraph Company Limited
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