

SUMMARY OF DATA

PURPOSE

A self-contained single-sideband HF transmitter-receiver fitted in ships generally for medium range working.

TYPE OF TRANSMISSION FREQUENCY

Voice and c.w. Power Output - 60 W.

Channels 1 and 2:- 3.0-6.7 MHz

Channels 3 and 4:- 6.7-15.0 MHz

BRIEF DESCRIPTION

The equipment is a commercial one (Type HSR21A) single sideband working, normally as simplex radio telephone on any one of four pre-tuned frequencies, with provision for three remote control positions.

In addition the set may be used for c.w. working, to existing A.M. equipment.



TYPE 633

MAJOR UNITS

	Pattern No.	Description	Marconi Ref.
Type 633	{ AP 105470	Receiver-Transmitter, Radio	Type 4600 R.F. Unit (modified)
	{ AP 105471	Amplifier - Power Supply	Type 4601 Supply Unit
	{ AP 105472	Cabinet, Electrical Equipment	Cabinet Assembly (W61374)
	{ AP 105473	Cable Assembly, Coaxial	Type 3738A Lead Assembly
	{ AP 105474	Dummy Load, Electrical, R.F.	Type 3731A Load Unit
Outfit AWS	{ AP 105475	Turner, Radio-Frequency, Aerial matching	Type 3730B Aerial Matching Unit
	{ AP 105476	Indicator, Standing Wave Ratio	Type 3732A S.W.R. Meter Unit

PHYSICAL DATA

	Height	Width	Depth	Weight
Cabinet, Electrical Equipment	23½ in.	21½ in.	18½ in.	39 lb
Receiver-Transmitter Radio	8½ in.	19 in.	15½ in.	37½ lb
Amplifier-Power Supply	10½ in.	19 in.	16½ in.	78½ lb

AERIAL SYSTEM

Aerial Outfit AWS.

POWER SUPPLIES

110-115 and 200-250 a.c. single phase 50/60 Hz.

Transmit (full c.w. output) - 330 W.

Receive (transmitter off) - 130 W.

HANDBOOK

BR 1188 (for Type 633 and Aerial Outfit AWS).

ESTABLISHMENT LIST

E1278 Type 633

E1279 Aerial Outfit AWS

INSTALLATION SPECIFICATION