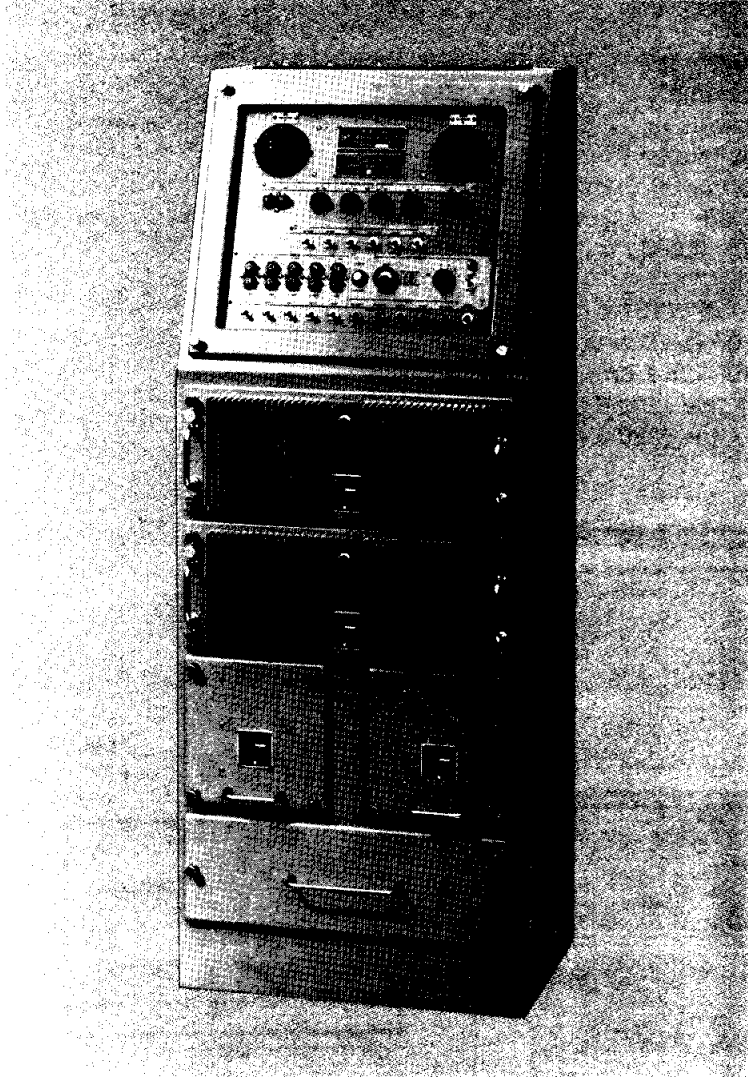


AMPLIFIER-OSCILLATOR GROUP

AN/SIA -123


DESIGN SPECIFICATIONS

MIL-A-21577

TECHNICAL MANUAL

CG-273-106

DYNALC PART

61131

FEATURES

- Comprises a shipboard announcing system for 1MC and 6MC Circuits.
- 1MC Circuit provides facilities for Alarm and General Announcing transmissions. 6MC Circuit provides intership announcing capabilities.
- Provides Collision, Chemical, General, Sonar, and Flight Crash alarms.
- Provisions for connection of four Microphone Control Stations, Type IC/MSB-2, for 1MC Circuit announcing. Station No. 1 also can transmit on the 6MC Circuit.
- Provisions for five 1MC Circuit Loudspeaker Groups and one 6MC Circuit Loudspeaker Group (Bullhorn).
- Additional facilities for muting or attenuating the Ship's Entertainment System and also for operating a Visual Alarm Indicator.
- Incorporates dual channel design in conjunction with manually operated transfer switches to perform the operation and testing function of the 1MC and 6MC Circuits.
- All necessary transferring switching and testing circuitry are located on the control panel.

RELATED EQUIPMENT
EQUIPMENT

Microphone Station
Loudspeaker, Low Power, adjustable
Loudspeaker, High Power
Loudspeaker, High Power, adjustable
Loudspeaker, Super High Power
Microphone
Microphone

NOMENCLATURE

IC/MSB-2
LS-444/WIH
LS-387B/SIC
LS-388B/SIC
LS-397A/SIC
M-124/SIC
M-125/SIC

DYNALC PART

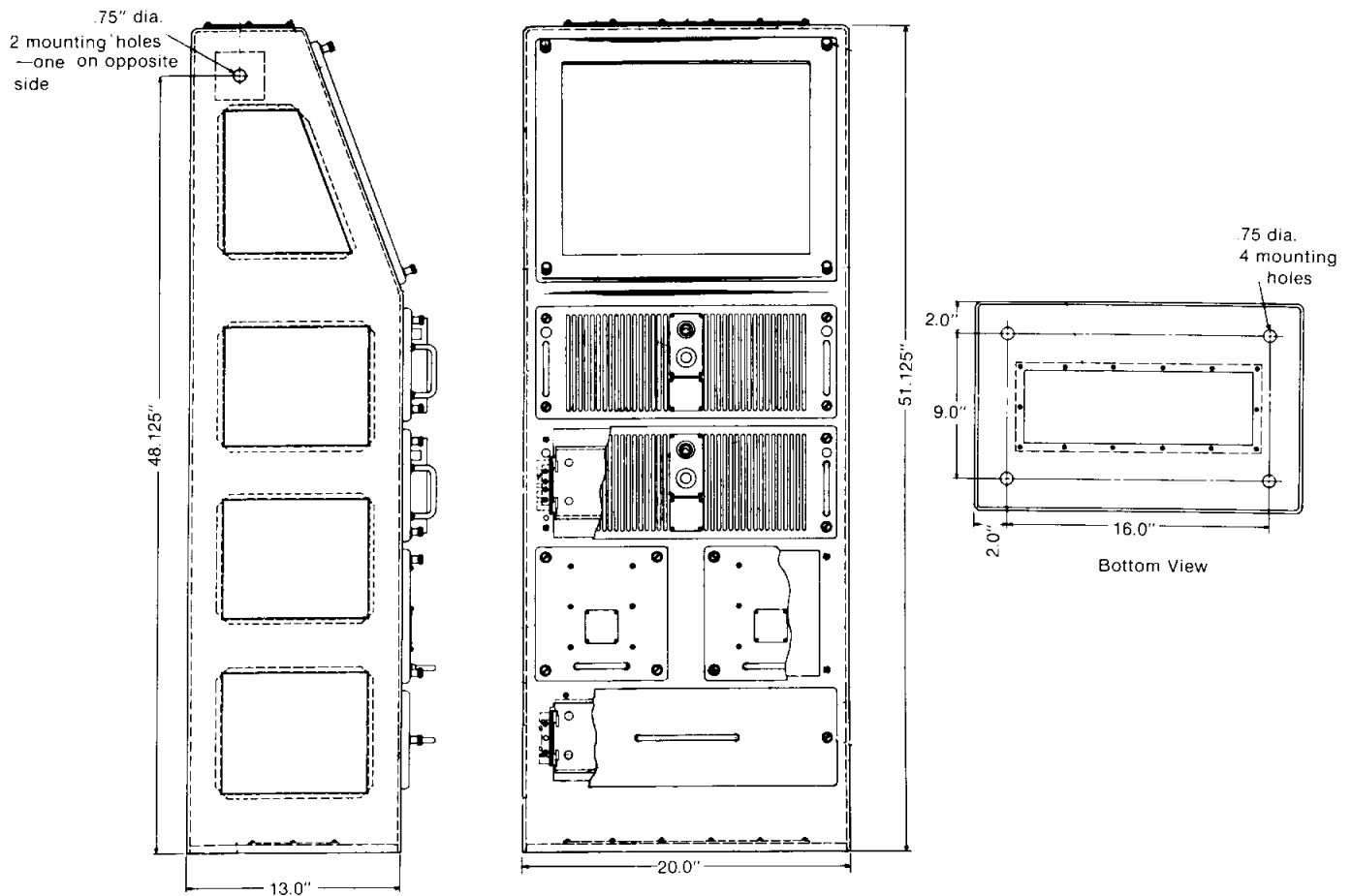
60173
60100-002
61716-200
61716-201
61718-000
60163-004
60163-001

AN/SIA-123

DESIGN CHARACTERISTICS

Input Power Requirements	115 VAC, 60 Hz, single phase
Standby	10 watts
Ready	310 watts
At Full Output	860 watts
Heat Dissipation (BTU/HR)	
Standby	35
Ready	1060
At Full Output	2935
Input Impedance	150 ohms
Output Impedance	39 ohms
Rated Output Voltage	70 volts
Input Required for Rated Output	.0087 volts
Output Power at less than 5% THD	125 watts
Rated Gain	84 dB
Frequency Response	200—8,000 Hz
Dimensions	
Height	51.125" (131.4 cm)
Width	20.0" (50.8 cm)
Depth	15.0" (38.1 cm)
Weight	461 lbs. (209.6 kg)
Shipping Weight	550 lbs. (250.0 kg)

MOUNTING INFORMATION



DYNALEC
CORPORATION

87 WEST MAIN STREET
SODUS, NEW YORK 14551

TELEPHONE 315-483-61
or 716-546-8168
CABLE DYNALEC SODUS
TELEX 510 250 2382