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EFFECTIVE FEB. 1980

M **HAMMOND**
W **MANUFACTURING™**
COMMUNICATION
PRODUCTS DIVISION

SERIES

HL

HF LINEAR AMPLIFIER HL-2000A



Fig. 2

**HF LINEAR AMPLIFIER
HL-2000A**

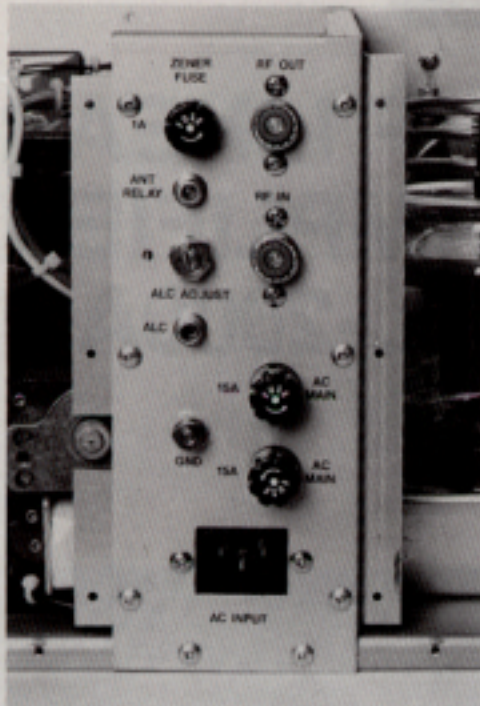


Fig. 3

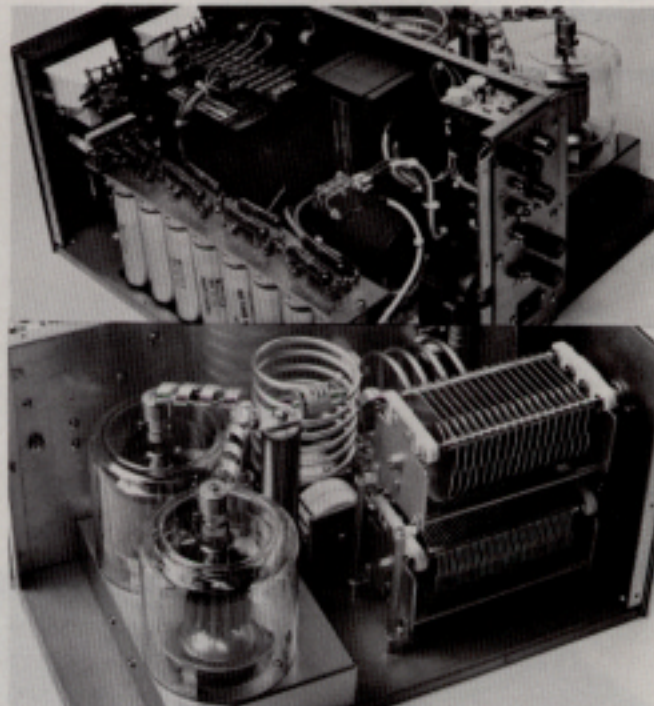


Fig. 4

FEATURES

BAND COVERAGE	10M, 15M, 20M, 40M, 80M, Amateur Bands May be expanded for Mars, Government or other services (Consult Factory)
TUBE COMPLIMENT	(2) 3—500Z Zero Bias Triodes
COOLING	Forced Air Chimney Cooling (Continuous Duty Squirrel Cage Blower)
ALC	Adjustable, (Negative)
SAFETY	Interlock for Input AC 100% Fused AC Line and Cathode Circuit
POWER TRANSFORMER	Special Hammond Transformer designed for continuous duty operation rated at 1100VA — 60 Hz — Weight 28 Lbs.
POWER SUPPLY	Computer Grade Capacitors for Max. Reliability
INPUT CIRCUIT	PI—Input Circuitry for each band
OUTPUT CIRCUIT	Full Pi-L Network
LINE VOLTAGE	120VAC or 240VAC (240VAC recommended)
METERING	Plate Current Grid Current Plate Voltage Wattmeter, FWD/REF.
TRANSIENT PROTECTION	Primary, HV and Filament Surge Suppression

SPECIFICATIONS

FREQUENCY RANGE	3.5 MHz to 29.5 MHz (Amateur Bands)
DRIVE POWER	75W to 125W
MODE & DUTY CYCLE	SSB CW Continuous RTTY
RF INPUT POWER	SSB 2 KW PEP Continuous CW 1 KW Continuous RTTY 1 KW Continuous
PLATE VOLTAGE	SSB With Resting Current 2900VDC CW With Resting Current RTTY 2100 VDC
CIRCUIT CONFIGURATION	AB ₂ Grounded Grid
INPUT MATCH	50 Ω (16 dB Return Loss)
HARMONIC SUPPRESSION	Depending on Exciter -40dB Utilize RF Inverse Feed-Back
INTERMODULATION DISTORTION PRODUCTS	In excess of -33dB
ALC	Negative, Adjustable (-8VDC Max.)
TUBES	Two 3-500Z Zero Bias Triodes
POWER REQUIREMENTS	120/240VAC, 15 Amps (120VAC Not Recommended)
DIMENSIONS	8" High x 16" Wide x 15 3/4" Depth
WEIGHT	75 Lbs. or 34 Kg.