

SECTION 1. SPECIFICATIONS.

TYPE AND FUNCTION OF EQUIPMENT - All these models are floor console linear amplifiers RF power amplifiers operating in the 3.5-30 MHz frequency range. They can be used for communications, industrial, or scientific applications.

TYPE OF EMISSION - - - - - SSB, AM, CW, FM or RTTY.

OUTPUT POWER - 3K Classic Mark II 1500 Watts PEP, 750 Watts Continuous.
 3K Classic X Mark II 2500 Watts PEP, 1500 Watts Continuous.
 5K Classic 3500 Watts PEP, 2000 Watts Continuous.

GAIN - 3K Classic Mark II 13 dB nominal.
 3K Classic X Mark II 14 dB nominal.
 5K Classic 14 dB nominal.

TUBE COMPLEMENT - 3K Classic Mark II Eimac 3CX1200A7.
 3K Classic X Mark II Eimac 3CX1200A7.
 5K Classic 2 x Eimac 3CX1200A7.

DRIVE POWER - 3K Classic Mark II 60 to 100 watts nominal.
 3K Classic X Mark II 60 to 120 watts nominal.
 5K Classic 60 to 200 watts nominal.

DUTY CYCLE - - - - - Continuous duty at rated output.

DIMENSIONS - - - - - 32.75" HIGH x 16.50" DEEP x 15.00" WIDE.

SHIPPING WEIGHT - 3K Classic Mark II 125 pounds (1 box).
 3K Classic X Mark II 175 pounds (1 box).
 5K Classic 190 pounds (1 box).

COOLING - - - - - Forced air cooling.

POWER REQUIREMENTS - - - - - 3 wire, single phase, 60 Hz.
 3K Classic Mark II 230 VAC, 30 amps.
 3K Classic X Mark II 230 VAC, 30 amps.
 5K Classic 230 VAC, 40 amps.

NOTE: All amplifiers can be set up for 50 Hz operation, or 200 VAC operation, or 2 wire 220 VAC operation - - But that special requirement must be specified when ordered.

ALC CIRCUIT - All models have an adjustable ALC feedback circuit to prevent overdrive from a high power exciter.

FREQUENCY RANGE - - - - - 3.5 TO 30 MHz nominal.
 NOTE: Frequency coverage above 25 MHz is available on export models only because of FCC regulations.

OUTPUT IMPEDANCE - - - - - 50 ohms unbalanced with SWR not to exceed 2:1.

INPUT IMPEDANCE - - - Tuned input circuits are used to allow a 50 ohm input impedance across the frequency range.