

MODEL S11-48 Specifications

Type of amplifier: Class D, 160 kHz carrier, 24 phase modulation

Power output – burst: 24 KVA, 20% duty, 24 sec on each channel

Power output – continuous: 10.8 KW each channel

Frequency range (-3 dB): 100 Hz to 5 kHz

Load phase angle range: -90° to +90°

Output voltages: 442, 625, 884, 1250, 1768, 2500 volts, center tapped

Output impedance (if used): 8, 11, 32, 45, 127, 180 ohm +5% +5°

Output voltage shutdown limit: 4000 V RMS

Output current – burst: 54.2, 38.4, 27.1, 19.2, 13.6, 9.6 amps

Output current shutdown limit: 56 A RMS

Distortion at full output: 3% maximum, less than 0.5% typical

Input impedance: 10 k ohms min.

Input voltage for full output: 1.7 V RMS

RMS noise re max output (700Hz-20kHz): -80 dB gated ON, -100 dB gated OFF

Gate signal: TTL levels (+5 V)

Current monitor: 100 mV/A, 50 ohm output

Voltage monitor: 2 mV/V, ground referenced

Protection: Short or open circuit, over-temp, over frequency, under frequency

Fault lights: Temperature limit, voltage limit, blown fuse, current limit

Ambient temperature: 0 to 40°C operating

Cooling: Automatic Fan Speed Control

Primary power: 460 V +15% VAC, 60 Hz, 3 phase, 75A

Dimensions: 77 inches in height by 24.5 inches in width by 36 inches diameter - 2,250 lbs.