



## GENERAL

### Transmitter Type

FM Broadcast, 100% solid state

### Configuration

Six power modules and six associated switching power supplies

Main and standby IPA modules with associated main and standby power supplies available

Main and standby exciters available

Main and standby low voltage power supplies available

### RF Output Power

200 W to 8,300 W into a 1.2 VSWR

200 W to 7,500 W into a 1.5 VSWR

### RF Output Connection

3-1/8 inch EIA, female

(1-5/8 inch and 7/8 inch available)

### RF Output Impedance

50 ohms unbalanced

### Efficiency

64% typical at 7.5 kW

### RF Load VSWR

1.5:1 - Automatic power reduction into higher VSWR

Protected from open and short circuits at all phase angles

### RF Frequency Range

87.5 MHz to 108 MHz

No tuning required

### Turn Around Loss

Better than 20 dB

### Excitation

FM Exciter capable of 20 W

### Spurious and Harmonic

Meets or exceeds all FCC/IC requirements

## AC INPUT

### Voltage

180 V ac to 264 V ac, 3 phase/1 phase, 50/60 Hz

312 V ac to 457 V ac, 3 phase, 50/60 Hz

User adjustable

### Power Consumption

11.7 kW at 7.5 kW RF output (11.8 kVA)

### Power Factor

Unity Power Factor Corrected (typically 0.99)

### Power Line Harmonics

IEEE 519-1992

## AUDIO PERFORMANCE

### Asynchronous AM S/N Ratio

Better than 60 dB below reference carrier with

100% amplitude modulation using 75  $\mu$ s de-emphasis (no FM modulation present)

### Synchronous AM S/N Ratio

Better than 50 dB below reference carrier with

100% amplitude modulation 75  $\mu$ s de-emphasis

## ENVIRONMENTAL

### Temperature Range

0°C to +50°C

Derate 3°C per 500 m above sea level

(2°C per 1,000 ft)

### Humidity Range

0% to 95% non-condensing

### Altitude

0 m to 3,000 m (0 ft to 10,000 ft)

### Cooling Air Requirements

1,468m<sup>3</sup>/hr (864 cfm)

## PHYSICAL

### Dimensions

Open ventilation configuration:

184.5 cm H x 81.3 cm W x 87.8 cm D

(72.5" H x 32" W x 34.5" D)

Closed ventilation configuration - consult factory

### Weight

245 kg (540 lbs)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.