

SPECIFICATIONS MODEL 90.1A AMPLIFIER

POWER OUTPUT (20 Hz - 20k Hz)

8 OHMS
4 OHMS
2 OHMS
1 OHM

90W RMS @ LESS THAN .06% THD CLASS A
160W RMS @ LESS THAN .06% THD CLASS A
250W RMS @ LESS THAN 0.1% THD CLASS AB
400W RMS @ LESS THAN 0.25% THD CLASS AB

POWER OUTPUT (1KHz @ 1% THD)

8 OHMS
4 OHMS
2 OHMS
1 OHM

120W
240W
410W
640W

BANDWIDTH: small signal
BANDWIDTH: large signal

2.83 V RMS into 8 ohms -3dB 0.4Hz and 350kHz
25 V RMS into 8 ohms -3dB 0.4Hz and 350kHz

RISE TIME: small signal
RISE TIME: large signal

+/-1 V into 8 ohms 1 MICROSECOND
+/-35 V into 8 ohms 1 MICROSECOND

INPUT SENSITIVITY:

1 VOLT FOR 90W INTO 8 OHMS 26.9 VOLTS

GAIN:

28.6 dB

VOLTAGE SLEW RATE:

GREATER THAN 500 VOLTS PER MICROSECOND

INPUTS:

BALANCED XLR OR UNBALANCED RCA JACK
INPUT BALANCE, SWITCH SELECTABLE

INPUT COMMON MODE
REJECTION RATIO:

70 dB 20Hz TO 20k Hz

BALANCED:
UN BALANCED:

200k OHM XLR CONNECTOR
100k OHM RCA CONNECTOR

OUTPUT:

BALANCED VIA DUAL HEAVY-DUTY FIVE-WAY BINDING POSTS

OUTPUT IMPEDANCE:

0.05 OHMS 20 Hz TO 1k Hz RISING TO 0.34 OHMS @ 20k Hz

OUTPUT NOISE:

600 MICROVOLTS, WIDE BAND
250 MICROVOLTS, 20 Hz TO 20k Hz
125 MICROVOLTS, 400 Hz TO 20k Hz

SIGNAL TO NOISE:

REF: 90W @ 8 OHMS 20Hz To 20kHz
REF: 90W @ 8 OHMS "A" Weighted
REF: 1W @ 8 OHMS "A" Weighted

100 dB
108 dB
89 dB

INDICATORS:

BLUE POWER LED

COOLING:

CONVECTION: 1400 SQ INCHES OF HEAT SINK
FOR OUTPUT STAGE
240 SQ INCHES OF HEAT SINK
FOR DRIVE CIRCUIT

POWER INPUT:

IDLE POWER 500 WATTS PEAK 800 WATTS
EXPORT VERSIONS AVAILABLE FOR 100V, 220V, 230V
& 240V - 50 Hz

CONSTRUCTION:

13 GAUGE STEEL CHASSIS, 3 ALUMINUM HEAT EXCHANGERS
16 GAUGE STEEL COVER, 5/8" 6061 T6 ALUMINUM
FRONT PANEL

SIZE:

17.5" W x 7" H x 17.5" D

WEIGHT:

75 POUNDS

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