



IM - Industria Morato
50 anos de radiodifusão

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Power Consumption

1,470 W maximum at 1 kW, 0% modulation
2,180 W maximum at 1 kW, 100% modulation

AC Input

220Vac 1 phase 50Hz or 60Hz

Output v/s modulation

1,0 KW at 150% modulation.
1,5 KW at 125% modulation.
1,7 KW at 100% modulation.

RF Output Power Rated:

1,000 W
two steps ajustables

Frequency range:

530khz to 1700khz.

RF Output connection:

Type U

RF Output impedance:

50 ohms unbalanced

Audio in:

600 ohms balanced,

Audio Frequency response:

+0.3 dB/-0.7 dB, 30 Hz to 10,000 Hz.

Carrier shift:

0.6% or less

Spurious and harmonic:

-72dB relative to carrier

Hum and noise:

better then -65dB.

Frequency Stability

Internal:
±3 ppm over temperature range

IM QT 1000 AM

TRANSMITTER SOLID STATE MEDIUM WAVE

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+0.3 dB/-0.7 dB, 30 Hz to 10,000 Hz.

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±3 ppm over temperature range

Audio Frequency response:

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Carrier shift:

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Spurious and harmonic:

-72dB relative to carrier

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better then -65dB.

Frequency Stability

Internal:
±3 ppm over temperature range

Efficiency:

better then 75%

Total Harmonic distortion:

Better then 1% (THD) at 95% modulation, 30Hz to 10KHz
Referenced at 1000W

Altitude

0m to 4,000m(0ft to 13,000ft)

Humidity Range

0% to 95% non-condensing

Dimensions:

25cm H x 48cm W x 79cm D
(10" H x 19" W x 31" D)

Weight

35 kg (77 lbs)



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