**SECTION 27 41 16**

**INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT**

**GUIDE SPECIFICATION**

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*Specifier: Please see PART 4 for a listing of products specified in this Guide Specification.*

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# **GENERAL**

*NOT USED in this Guide Specification. Specifier shall Specify PART 1 administrative and procedural requirements as needed.*

## **Power Amplifier**

### Two channel 70V, 100V, 4 ohm, or 8 Ohm power amplifier

# **PRODUCTS**

## **Basis of Design Amplifier:**

### Crestron AMP-X50MP

*Specifier Note:*

*Please see below link for additional information.*

*https://www.crestron.com/Products/Audio/Amplifiers/Commercial-Amplifiers/AMP-X50MP*

## **Audio**

### Amplifier Input and output Requirements

#### Amplifier shall have an input sensitivity of 1.23V, +4dBu balanced for the rated power.

#### Amplifier shall provide two inputs.

#### Amplifier shall include a mono/stereo selection switch.

#### Amplifier shall provide three options for input source connection:

##### Balanced terminal block

##### TRS mini

##### Unbalanced RCA

#### Amplifier shall provide two speaker level output connections for low impedance and one output connection for high impedance.

#### Output Impedance:

##### High impedance for 70V or 100V

##### Low impedance 4 Ohm or 8 Ohm

### Amplifier Output

#### Output Power

##### The amplifier shall provide 70V or 100V high impedance output rated at 50W.

###### High impedance outputs shall be transformer isolated.

##### The amplifier shall provide low impedance output rated at 50W @ 4 Ohms bridged, or 25W @ 8 Ohms stereo.

## **Physical**

### Mounting

*Specifier Note:*

*Freestanding, surface mount, or 1/2 width 1 RU 19 in. rack mountable; Gangable with other Crestron modular and*

*X series products (adhesive feet and surface mounting brackets included); Ganging kit and rack mounting kit optional*

#### Free standing

#### Surface mountable

#### Rack mountable

*Specifier Note:*

*Rack mounting requires a rack shelf, not included.*

##### Amplifier shall be a single rack space unit.

## **Energy Star**

### Amplifier shall be Energy Star certified.

# **EXECUTION**

*NOT USED in this Guide Specification. Specifier shall Specify PART 3 On-Site work as needed.*

# **APPENDICES**

## **SPECIFIED PRODUCTS**

*Specifier Note: This Article includes Crestron products specified in this Guide Specification document. This Article is for reference only and should not be required in actual project manual unless included in an overall system equipment list.*

### Crestron AMP-X50MP