**SECTION 27 41 16**

**INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT**

**GUIDE SPECIFICATION**

*Specifier: The Specifier/Design Professional is responsible for the accuracy of all project specifications, including system application and coordination with related sections. This guide specification is provided as a convenience and requires editing to match actual project requirements. CRESTRON ELECTRONICS, INC. SHALL NOT BE LIABLE FOR ANY DAMAGES ARISING OUT OF THE USE OF ANY OF ITS GUIDE SPECIFICATIONS. For Crestron design assistance and design review please contact Sales Support Services Department at 800.237.2041 or techsales@crestron.com.*

*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

### 70V/100V: 75 Watts

### 4/8 Ohm: 35 Watts per channel or 75 Watts Bridged

# **PRODUCTS**

## **Basis of Design Amplifier:**

### Crestron AMP-X75

*Specifier Note:*

*Please see below link for additional information.*

*https://www.crestron.com/Products/Audio/Amplifiers/Commercial-Amplifiers/AMP-X75*

## **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 two options for input source connection:

##### Balanced or unbalanced terminal block

##### TRS mini

#### Amplifier shall provide a single speaker level output connection for low impedance and bridged or 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 75W.

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

##### The amplifier shall provide low impedance output rated at 75W @ 4 or 8 Ohms bridged, or 35W @ 4 or 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.*

##### 1/4 rack unit wide 1 rack unit high; Mounting hardware included

## **Compliance**

### Regulatory Model: M201929003; ENERGY STAR, ErP (1275/2008/EC), UL 62368, FCC Class B

# **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-X75