

# CAI/CASI SERIES

## Architectural Cabinet Convector

### Architectural Sloped Top Cabinet Convector



CAI



CASI

The CAI/CASI convectors are designed to heat large commercial spaces. They provide large amounts of heat without the fan noise associated with unit heaters.

- **Installation Options:** Units may be mounted to the wall, flush on the floor or on pedestals. CAI units can be fully recessed when the front warm air outlet option is used. These units are not for residential use in the United States.
- **Added Safety:** The sloped-top cabinet on the CASI prevents objects from being set on top of the heater, which can restrict airflow and cause overheating.
- **Wall-to-Wall Installation:** A smooth painted finish back plate is available so that the unit can be mounted against glass walls.

Standard



Special Colors



#### Applications

- Classrooms
- Hallways
- Conference Rooms
- Lobbies

### Standard Construction Features

**Heating Elements** – Stainless steel elements with aluminum fins float on high temperature nylon bushings for quiet operation.

**Housing** – Cabinet is constructed of 20-gauge steel with a 16-gauge steel front cover. The unit has an epoxy/polyester powder paint finish in white or almond. Mounting holes are

provided along the back of the cabinet for wall installation.

**Inlet/Outlet Grilles** – The fresh air inlet grille is located on the front of the unit. An extruded aluminum outlet grille discourages tampering with the heating elements.

**Built-in Controls** – Linear limit, automatic reset thermal cutout.

**Rough In Dimensions** – CAI only: Heater Length + 1" wide x 21" high x 6" deep.

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### Factory Built-in Options

| Code | Description   |
|------|---|
| D1   | Disconnect Switch, Three-pole, 600V, 32 Amp                     |
| F    | Front Air outlet (CAI Only)                                     |
| R1   | 24V Relay, Single-pole, 240V, 22 Amp; 277V, 19 Amp              |
| R2   | 24V Relay with Transformer, 240V, 22 Amp; 277V, 19 Amp          |
| R3   | 24V Double-pole Relay, 240V, 25 Amp; 277V, 19 Amp               |
| R4   | 240V Relay, Single-pole, 240V, 25 Amp                           |
| R5   | 240V Relay, Double-pole, 240V, 25 Amp                           |
| R6   | Pneumatic Relay, 480V, 20 Amp                                   |
| R7   | Triac Proportional Relay, 277V Max., 2500W Max.                 |
| S    | Smooth painted finish on heater back                            |
| T1   | Tamperproof Thermostat, Single-pole, 240V, 30 Amp; 480V, 15 Amp |
| T2   | Tamperproof Thermostat, Double-pole, 480V, 15 Amp               |
| X1   | 240V Transformer - 50 VA  |
| X2   | 24V Transformer - 50 VA   |

Remote Room Thermostat – See page 31.

### Field-Installed Options

(shipped loose for field installation into heater)

| Catalog Number | Description   |             |
|----------------|---|-------------|
| 912-124546     | CAI Corner (interior and exterior)                              |             |
| 911-124546     | CASI inside corner  |             |
| 911-218358     | CASI outside corner   |             |
| 912-124547     | Universal Round Pedestal Kit                                    | 3 (76) High |
| 912-124548     | Sub Base<br>Heater Length<br>In. (mm)                           | 27.2 (690)  |
| 912-124549     |   | 37.2 (944)  |
| 912-124550     |   | 47.2 (1198) |
| 912-124551     |   | 57.2 (1452) |
| 912-124552     |   | 65.2 (1655) |
| 912-218283(1)  | Empty Cabinet<br>Length<br>In. (mm)                             | 27.2 (690)  |
| 912-218284(1)  |   | 37.2 (944)  |
| 912-218285(1)  |   | 47.2 (1198) |
| 912-218286(1)  |   | 57.2 (1452) |
| 912-218287(1)  |   | 65.2 (1655) |
| 912-124553     | Recessed Trim Kit<br>Heater Length<br>In. (mm)                  | 27.2 (690)  |
| 912-124554     |   | 37.2 (944)  |
| 912-124555     |   | 47.2 (1198) |
| 912-124556     |   | 57.2 (1452) |
| 912-124557     |   | 65.2 (1655) |
| 912-124561(1)  | Control Box - 12"   | 12 (306)    |
| 912-124562     | 24V Relay Kit, Single-pole, 240V, 22 Amp; 277V, 19 Amp          |             |
| 912-124563     | 24V Relay Kit, Double-pole, 240V, 25 Amp; 277V, 19 Amp          |             |
| 912-124566     | 24V Relay Kit with Transformer, 208V, 22 Amp                    |             |
| 912-124567     | 24V Relay Kit with Transformer, 240V, 22 Amp                    |             |
| 912-124568     | 24V Relay Kit with Transformer, 277V, 19 Amp                    |             |
| 912-224767 (1) | Tamperproof Thermostat, Single-pole, 240V, 30 Amp; 480V, 15 Amp |             |
| 912-224768 (1) | Tamperproof Thermostat, Double-pole 480V, 15 Amp                |             |

(1) Change 912 prefix to 911 for CASI.

**Standard colors - Add W for white finish or A for almond finish to the end of part number.**

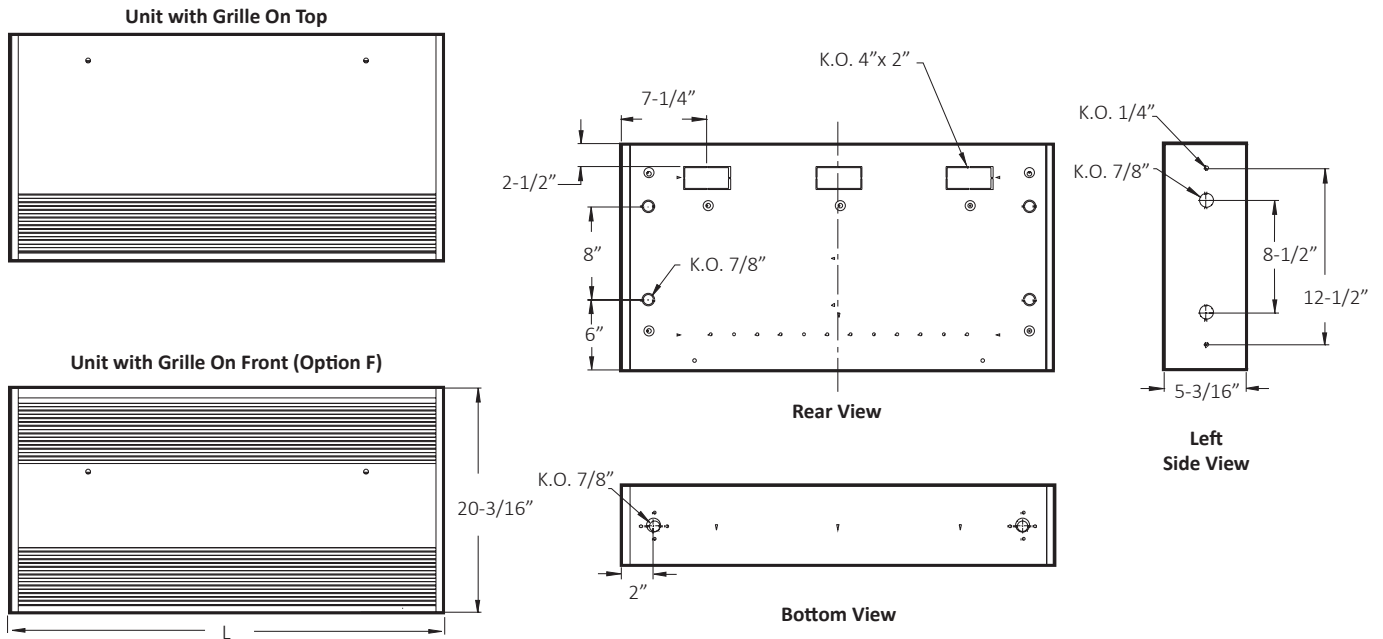
Special or custom colors - See inside back cover for color codes to be added to end of part number.

Empty cabinet sections can be cut to length in the field.

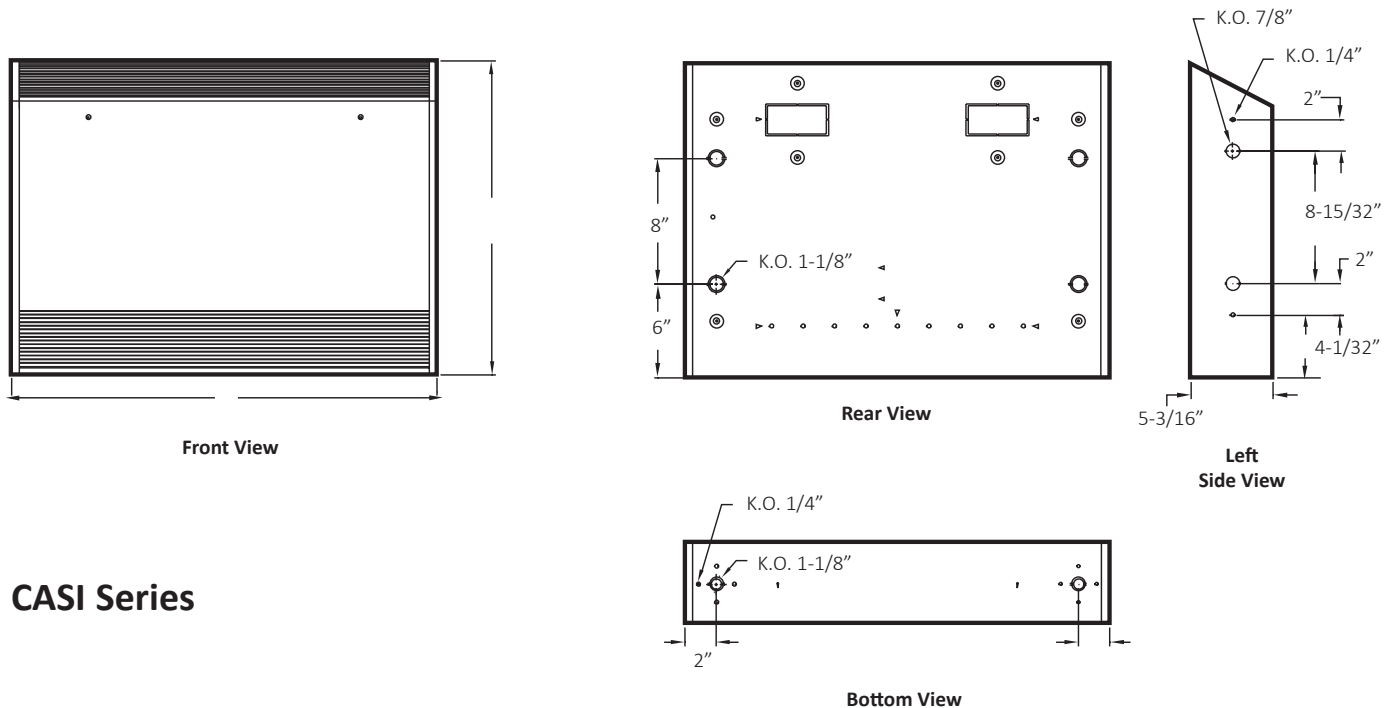
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## CAI Series



## CASI Series

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## Architectural Sloped Top Cabinet Convector

CAI Model: 912U (Flat Top)

CASI Model: 911U (Sloped Top)

How to order: Model + Heater Code with color code + Options

(example: 912U03000CW-1198-T1)

| Length In. (mm) | Density |      | Watts | Heater Code  |      |              |      |              |      | Watts at 240/208V | Heater Code     |           | Weight Lbs (kg) |               |
|-----------------|---------|------|-------|--------------|------|--------------|------|--------------|------|-------------------|-----------------|-----------|-----------------|---------------|
|                 | W/Ft    | W/m  |       | 208V (1 ph)  | Amps | 240V (1 ph)  | Amps | 277V (1 ph)  | Amps |                   | 240/208V (1 ph) | Amps      | CAI (Flat)      | CASI (Sloped) |
| 27.2 (690)      | 500     | 1640 | 1000  | 01000C‡-690  | 4.8  | 01000J‡-690  | 4.2  | 01000N‡-690  | 3.6  | 1000/750          | 01000V‡-690     | 4.2/3.6   | 37 (16.8)       | 37 (16.8)     |
|                 | 750     | 2450 | 1500  | 01500C‡-690  | 7.2  | 01500J‡-690  | 6.3  | 01500N‡-690  | 5.4  | 1500/1125         | 01500V‡-690     | 6.3/5.4   |                 |               |
|                 | 1000    | 3280 | 2000  | 02000C‡      | 9.6  | 02000J‡      | 8.3  | 02000N‡      | 7.2  | 2000/1500         | 02000V‡         | 8.3/7.2   |                 |               |
| 37.2 (944)      | 500     | 1640 | 1500  | 01500C‡-944  | 7.2  | 01500J‡-944  | 6.3  | 01500N‡-944  | 5.4  | 1500/1125         | 01500V‡-944     | 6.3/5.4   | 47 (21.3)       | 47 (21.3)     |
|                 | 750     | 2450 | 2250  | 02250C‡-944  | 10.8 | 02250J‡-944  | 9.4  | 02250N‡-944  | 8.1  | 2250/1690         | 02250V‡-944     | 9.4/8.1   |                 |               |
|                 | 1000    | 3280 | 3000  | 03000C‡      | 14.4 | 03000J‡      | 12.5 | 03000N‡      | 10.8 | 3000/2250         | 03000V‡         | 12.5/10.8 |                 |               |
| 47.2 (1198)     | 500     | 1640 | 2000  | 02000C‡-1198 | 9.6  | 02000J‡-1198 | 8.3  | 02000N‡-1198 | 7.2  | 2000/1500         | 02000V‡-1198    | 8.3/7.2   | 57 (25.9)       | 57 (25.9)     |
|                 | 750     | 2450 | 3000  | 03000C‡-1198 | 14.4 | 03000J‡-1198 | 12.5 | 03000N‡-1198 | 10.8 | 3000/2250         | 03000V‡-1198    | 12.5/10.8 |                 |               |
|                 | 1000    | 3280 | 4000  | 04000C‡      | 19.2 | 04000J‡      | 16.7 | 04000N‡      | 14.4 | 4000/3000         | 04000V‡         | 16.7/14.4 |                 |               |
| 57.2 (1452)     | 500     | 1640 | 2500  | 02500C‡-1452 | 12.0 | 02500J‡-1452 | 10.4 | 02500N‡-1452 | 9.0  | 2500/1875         | 02500V‡-1452    | 10.4/9.0  | 67 (30.4)       | 67 (30.4)     |
|                 | 750     | 2450 | 3750  | 03750C‡-1452 | 18.0 | 03750J‡-1452 | 15.6 | 03750N‡-1452 | 13.5 | 3750/2817         | 03750V‡-1452    | 15.6/13.5 |                 |               |
|                 | 1000    | 3280 | 5000  | 05000C‡      | 24.0 | 05000J‡      | 20.8 | 05000N‡      | 18.1 | 5000/3750         | 05000V‡         | 20.8/18.0 |                 |               |
| 65.2 (1655)     | 500     | 1640 | 3000  | 03000C‡-1655 | 14.4 | 03000J‡-1655 | 12.5 | 03000N‡-1655 | 10.8 | 3000/2250         | 03000V‡-1655    | 12.5/10.8 | 79 (35.8)       | 79 (35.8)     |
|                 | 750     | 2450 | 4500  | 04500C‡-1655 | 21.6 | 04500J‡-1655 | 18.8 | 04500N‡-1655 | 16.2 | 4500/3380         | 04500V‡-1655    | 18.8/16.3 |                 |               |
|                 | 1000    | 3280 | 6000  | 06000C‡      | 28.8 | 06000J‡      | 25.0 | 06000N‡      | 21.7 | 6000/4500         | 06000V‡         | 25.0/21.6 |                 |               |

| Length In. (mm) | Density |      | Watts | Heater Code  |      |              |      |              |      | Watts at 240/208V | Heater Code     |           | Weight Lbs (kg) |               |
|-----------------|---------|------|-------|--------------|------|--------------|------|--------------|------|-------------------|-----------------|-----------|-----------------|---------------|
|                 | W/Ft    | W/m  |       | 208V (3 ph)  | Amps | 240V (3 ph)  | Amps | 480V (3 ph)  | Amps |                   | 240/208V (3 ph) | Amps      | CAI (Flat)      | CASI (Sloped) |
| 27.2 (690)      | 500     | 1640 | 1000  | 01000D‡-690  | 2.8  | 01000K‡-690  | 2.4  | 01000U‡-690  | 1.2  | 1000/750          | 01000P‡-690     | 2.8/2.1   | 37 (16.8)       | 37 (16.8)     |
|                 | 750     | 2450 | 1500  | 01500D‡-690  | 4.2  | 01500K‡-690  | 3.6  | 01500U‡-690  | 1.8  | 1500/1125         | 01500P‡-690     | 3.6/3.1   |                 |               |
|                 | 1000    | 3280 | 2000  | 02000D‡      | 5.6  | 02000K‡      | 4.8  | 02000U‡      | 2.4  | 2000/1500         | 02000P‡         | 4.8/4.2   |                 |               |
| 37.2 (944)      | 500     | 1640 | 1500  | 01500D‡-944  | 4.2  | 01500K‡-944  | 3.6  | 01500U‡-944  | 1.8  | 1500/1125         | 01500P‡-944     | 3.6/3.1   | 47 (21.3)       | 47 (21.3)     |
|                 | 750     | 2450 | 2250  | 02250D‡-944  | 6.2  | 02250K‡-944  | 5.4  | 02250U‡-944  | 2.7  | 2250/1690         | 02250P‡-944     | 5.4/4.7   |                 |               |
|                 | 1000    | 3280 | 3000  | 03000D‡      | 8.3  | 03000K‡      | 7.2  | 03000U‡      | 3.6  | 3000/2250         | 03000P‡         | 7.2/6.2   |                 |               |
| 47.2 (1198)     | 500     | 1640 | 2000  | 02000D‡-1198 | 5.6  | 02000K‡-1198 | 4.8  | 02000U‡-1198 | 2.4  | 2000/1500         | 02000P‡-1198    | 4.8/4.2   | 57 (25.9)       | 57 (25.9)     |
|                 | 750     | 2450 | 3000  | 03000D‡-1198 | 8.3  | 03000K‡-1198 | 7.2  | 03000U‡-1198 | 3.6  | 3000/2250         | 03000P‡-1198    | 7.2/6.2   |                 |               |
|                 | 1000    | 3280 | 4000  | 04000D‡      | 11.1 | 04000K‡      | 9.6  | 04000U‡      | 4.8  | 4000/3000         | 04000P‡         | 9.6/8.3   |                 |               |
| 57.2 (1452)     | 500     | 1640 | 2500  | 02500D‡-1452 | 6.9  | 02500K‡-1452 | 6.0  | 02500U‡-1452 | 3.0  | 2500/1875         | 02500P‡-1452    | 6.0/5.2   | 67 (30.4)       | 67 (30.4)     |
|                 | 750     | 2450 | 3750  | 03750D‡-1452 | 10.4 | 03750K‡-1452 | 9.0  | 03750U‡-1452 | 4.5  | 3750/2817         | 03750P‡-1452    | 9.0/7.8   |                 |               |
|                 | 1000    | 3280 | 5000  | 05000D‡      | 13.9 | 05000K‡      | 12.0 | 05000U‡      | 6.0  | 5000/3750         | 05000P‡         | 12.0/10.4 |                 |               |
| 65.2 (1655)     | 500     | 1640 | 3000  | 03000D‡-1655 | 8.3  | 03000K‡-1655 | 7.2  | 03000U‡-1655 | 3.6  | 3000/2250         | 03000P‡-1655    | 7.2/6.2   | 79 (35.8)       | 79 (35.8)     |
|                 | 750     | 2450 | 4500  | 04500D‡-1655 | 12.5 | 04500K‡-1655 | 10.8 | 04500U‡-1655 | 5.4  | 4500/3380         | 04500P‡-1655    | 10.8/9.4  |                 |               |
|                 | 1000    | 3280 | 6000  | 06000D‡      | 16.7 | 06000K‡      | 14.4 | 06000U‡      | 7.2  | 6000/4500         | 06000P‡         | 14.4/12.5 |                 |               |

Other voltages available, consult factory.

‡Standard colors - Add W for white finish or A for almond finish to the end of catalog number when ‡ is indicated.

Special or custom colors - See inside back cover for color codes to be added to end of catalog number where ‡ is indicated.

For three-phase units a double pole relay or thermostat is required.