CAI Model: 912U (Flat 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 | | | |
|  | W/Ft | W/m |  |  | 208V  (1 ph) | Amps |  | 240V  (1 ph) | Amps |  | 277V  (1 ph) | Amps |  |  | 240/208V  (1 ph) | Amps |
| 27.2  (690) | 500 | 1000 | 1640 |  | 01000C‡-690 | 4.8 |  | 01000J‡-690 | 4.2 |  | 01000N‡-690 | 3.6 | 1000/750 |  | 01000V‡-690 | 4.2/3.6 |
|  | 750 | 1500 | 2450 |  | 01500C‡-690 | 7.2 |  | 01500J‡-690 | 6.3 |  | 01500N‡-690 | 5.4 | 1500/1125 |  | 01500V‡-690 | 6.3/5.4 |
|  | 1000 | 2000 | 3280 |  | 02000C‡ | 9.6 |  | 02000J‡ | 8.3 |  | 02000N‡ | 7.2 | 2000/1500 |  | 02000V‡ | 8.3/7.2 |
| 37.2  (944) | 500 | 1500 | 1640 |  | 01500C‡-944 | 7.2 |  | 01500J‡-944 | 6.3 |  | 01500N‡-944 | 5.4 | 1500/1125 |  | 01500V‡-944 | 6.3/5.4 |
|  | 750 | 2250 | 2450 |  | 02250C‡-944 | 10.8 |  | 02250J‡-944 | 9.4 |  | 02250N‡-944 | 8.1 | 2250/1690 |  | 02250V‡-944 | 9.4/8.1 |
|  | 1000 | 3000 | 3280 |  | 03000C‡ | 14.4 |  | 03000J‡ | 12.5 |  | 03000N‡ | 10.8 | 3000/2250 |  | 03000V‡ | 12.5/10.8 |
| 47.2  (1198) | 500 | 2000 | 1640 |  | 02000C‡-1198 | 9.6 |  | 02000J‡-1198 | 8.3 |  | 02000N‡-1198 | 7.2 | 2000/1500 |  | 02000V‡-1198 | 8.3/7.2 |
|  | 750 | 3000 | 2450 |  | 03000C‡-1198 | 14.4 |  | 03000J‡-1198 | 12.5 |  | 03000N‡-1198 | 10.8 | 3000/2250 |  | 03000V‡-1198 | 12.5/10.8 |
|  | 1000 | 4000 | 3280 |  | 04000C‡ | 19.2 |  | 04000J‡ | 16.7 |  | 04000N‡ | 14.4 | 4000/3000 |  | 04000V‡ | 16.7/14.4 |
| 57.2  (1452) | 500 | 2500 | 1640 |  | 02500C‡-1452 | 12.0 |  | 02500J‡-1452 | 10.4 |  | 02500N‡-1452 | 9.0 | 2500/1875 |  | 02500V‡-1452 | 10.4/9.0 |
|  | 750 | 3750 | 2450 |  | 03750C‡-1452 | 18.0 |  | 03750J‡-1452 | 15.6 |  | 03750N‡-1452 | 13.5 | 3750/2817 |  | 03750V‡-1452 | 15.6/13.5 |
|  | 1000 | 5000 | 3280 |  | 05000C‡ | 24.0 |  | 05000J‡ | 20.8 |  | 05000N‡ | 18.1 | 5000/3750 |  | 05000V‡ | 20.8/18.0 |
| 65.2  (1655) | 500 | 3000 | 1640 |  | 03000C‡-1655 | 14.4 |  | 03000J‡-1655 | 12.5 |  | 03000N‡-1655 | 10.8 | 3000/2250 |  | 03000V‡-1655 | 12.5/10.8 |
|  | 750 | 4500 | 2450 |  | 04500C‡-1655 | 21.6 |  | 04500J‡-1655 | 18.8 |  | 04500N‡-1655 | 16.2 | 4500/3380 |  | 04500V‡-1655 | 18.8/16.3 |
|  | 1000 | 6000 | 3280 |  | 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 | | |
| W/Ft | W/m |  | 208V  (3 ph) | Amps |  | 240V  (3 ph) | Amps |  | 480V  (3 ph) | Amps |  | 240/208V  (3 ph) | Amps |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 | 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 |
| 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 catalog number when ‡ is indicated.**

**Factory Built-in Options**

|  |  |  |
| --- | --- | --- |
| Code | Description |  |
| D1 | Disconnect Switch, Three-pole, 600V, 40 Amp |  |
| F | Front Air Outlet (CAI Only) |  |
| R1 | 24V Relay, 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; 480V, 12.5 Amp |  |
| R4 | 240V Relay, Single-pole, 240V, 25 Amp; 480V, 12.5 Amp |  |
| R5 | 240V Double-pole Relay, 240V, 25 Amp; 480V, 12.5 Amp |  |
| R6 | Pneumatic Relay, 480V, 25 Amp |  |
| S | Smooth Finish on Heater Back |  |
| T1 | Tamperproof Thermostat, Single-pole, 240V, 30 Amp |  |
| T2 | Tamperproof Thermostat, Double-pole, 480V, 15 Amp (2) |  |
| X1 | 240V Transformer – 50 VA |  |
| X2 | 24V Transformer – 50 VA |  |

(2) Use with three-phase heaters.

**Field-Installed Options**

**(shipped loose for field installation into heater)**

|  |  |  |  |
| --- | --- | --- | --- |
| Catalog  Number | Description | |  |
| 912-124546¶ | CAI Corner inside | |  |
| 912-124547¶ | Round Pedestal Kit | 3-4” High |  |
| 912-124548¶ | Sub Base  Heater Length  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  Length  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  Heater Length  In. (mm)  (CAI Only Option F Required) | 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 Heater Length In. (mm) | 12 (305) |  |
| 912-124562 | 24V Relay Kit, Single-pole, 240V, 22 Amp; 277V, 19 Amp | |  |
| 912-124563 | 24V Relay Kit, Double-pole, 240V, 25 Amp; 480V, 12.5 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 | Tamperproof Single-pole Thermostat Kit | |  |
| 912-224768 | Tamperproof Double-pole Thermostat Kit | |  |

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

Side View

Rear View

**Unit with Grille on Top**

Bottom View

**Unit with Grille on Front (Option F)**



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 a 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 – Heater Length + 1” wide x 21” high x 6” deep.

These units are not for residential use in the United States.