BAI Model: 909U (Flat Top)

How to order: Model + Heater Code with color code + Options (example 909U02000NW-1655-T1)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| LengthIn. (mm) | Density | Watts | Heater Code |  | Watts at 240/208V | Heater Code |
|  | W/Ft | W/m |  | [x]  | 208V | Amps | [x]  | 277V | Amps | [x]  |  | 240/208V | Amps |
| 27.2 (690) | 375 | 1250 | 800 | [ ]  | 00800C‡-690 | 3.8 | [ ]  | 00800N‡-690 | 2.9 | [ ]  | 800/600 | 00800V‡-690 | 3.3/2.9 |
|  | 500 | 1640 | 1000 | [ ]  | 01000C‡ | 4.8 | [ ]  | 01000N‡ | 3.6 | [ ]  | 1000/750 | 01000V‡ | 4.2/3.6 |
| 37.2 (944) | 375 | 1250 | 1000 | [ ]  | 01000C‡-944 | 4.8 | [ ]  | 01000N‡-944 | 3.6 | [ ]  | 1000/750 | 01000V‡-944 | 4.2/3.6 |
|  | 500 | 1640 | 1500 | [ ]  | 01500C‡ | 7.2 | [ ]  | 01500N‡ | 5.4 | [ ]  | 1500/1125 | 01500V‡ | 6.3/5.4 |
| 47.2 (1198) | 375 | 1250 | 1500 | [ ]  | 01500C‡-1198 | 7.2 | [ ]  | 01500N‡-1198 | 5.4 | [ ]  | 1500/1125 | 01500V‡-1198 | 6.3/5.4 |
|  | 500 | 1640 | 2000 | [ ]  | 02000C‡ | 9.6 | [ ]  | 02000N‡ | 7.2 | [ ]  | 2000/1500 | 02000V‡ | 8.3/7.2 |
| 57.2 (1452) | 375 | 1250 | 1750 | [ ]  | 01750C‡-1452 | 8.4 | [ ]  | 01750N‡-1452 | 6.3 | [ ]  | 1750/1313 | 01750V‡-1452 | 7.3/6.3 |
|  | 500 | 1640 | 2500 | [ ]  | 02500C‡ | 12.0 | [ ]  | 02500N‡ | 9.0 | [ ]  | 2500/1875 | 02500V‡ | 10.4/9.0 |
| 65.2 (1655) | 375 | 1250 | 2000 | [ ]  | 02000C‡-1655 | 9.6 | [ ]  | 02000N‡-1655 | 7.2 | [ ]  | 2000/1500 | 02000V‡-1655 | 8.3/7.2 |
|  | 500 | 1640 | 3000 | [ ]  | 03000C‡ | 14.4 | [ ]  | 03000N‡ | 10.8 | [ ]  | 3000/2250 | 03000V‡ | 12.5/10.8 |
| 75.2 (1909) | 375 | 1250 | 2500 | [ ]  | 02500C‡-1909 | 12.0 | [ ]  | 02500N‡-1909 | 9.0 | [ ]  | 2500/1875 | 02500V‡-1909 | 10.4/9.0 |
|  | 500 | 1640 | 3500 | [ ]  | 03500C‡(1) | 16.8 | [ ]  | 03500N‡ | 12.6 | [ ]  | 3500/2625 | 03500V‡ | 14.6/12.6 |
| 83.2 (2112) | 375 | 1250 | 2750 | [ ]  | 02750C‡-2112 | 13.2 | [ ]  | 02750N‡-2112 | 9.9 | [ ]  | 2750/2066 | 02750V‡-2112 | 11.5/9.9 |
|  | 500 | 1640 | 4000 | [ ]  | 04000C‡(1) | 19.2 | [ ]  | 04000N‡ | 14.4 | [ ]  | 4000/3000 | 04000V‡(1) | 16.7/14.4 |

Other single-phase voltages available, consult factory. All models listed are single-phase.

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

 (1) If control option R7 is required for these heaters, (Qty 2) R7 Triac proportional relays are required.

**Factory Built-in Options**

|  |  |  |
| --- | --- | --- |
| Code | Description | [x]  |
| D1 | Disconnect Switch, Three-pole, 600V, 40 Amp | [ ]  |
| F | Front Air Outlet (BAI 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 Relay, Double-pole, 240V, 25 Amp; 480V, 12.5 Amp | [ ]  |
| R6 | Pneumatic Relay, 480V, 25 Amp | [ ]  |
| R7 | 24V Proportional Relay | [ ]  |
| S | Smooth 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 | [ ]  |

**Field-Installed Options**

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

|  |  |  |
| --- | --- | --- |
| Part No. | Description | [x]  |
| 909-124609¶ | BAI Corner | [ ]  |
| 909-124610¶ | Square Pedestal Kit | 3-4” High | [ ]  |
| 909-124611¶ | Sub BaseHeater LengthIn. (mm) | 27.2 (690) | [ ]  |
| 909-124612¶ |  | 37.2 (944) | [ ]  |
| 909-124613¶ |  | 47.2 (1198) | [ ]  |
| 909-124614¶ |  | 57.2 (1452) | [ ]  |
| 909-124615¶ |  | 65.2 (1655) | [ ]  |
| 909-124616¶ |  | 75.2 (1909) | [ ]  |
| 909-124617¶ |  | 83.2 (2112) | [ ]  |
| 909-218276¶  | Empty CabinetLengthIn. (mm) | 27.2 (690) | [ ]  |
| 909-218277 ¶ |  | 37.2 (944) | [ ]  |
| 909-218278 ¶ |  | 47.2 (1198) | [ ]  |
| 909-218279 ¶ |  | 57.2 (1452) | [ ]  |
| 909-218280 ¶ |  | 65.2 (1655) | [ ]  |
| 909-218281¶  |  | 75.2 (1909) | [ ]  |
| 909-218282 ¶ |  | 83.2 (2112) | [ ]  |
| 909-124618¶ | Recessed Trim KitHeater LengthIn. (mm)(BAI Only, Option F Required) | 27.2 (690) | [ ]  |
| 909-124619¶ |  | 37.2 (944) | [ ]  |
| 909-124620¶ |  | 47.2 (1198) | [ ]  |
| 909-124621¶ |  | 57.2 (1452) | [ ]  |
| 909-124622¶ |  | 65.2 (1655) | [ ]  |
| 909-124623¶ |  | 75.2 (1909) | [ ]  |
| 909-124624¶ |  | 83.2 (2112) | [ ]  |
| 909-124628¶ | Control Box – 12” | 12 (305) | [ ]  |
| 909-124629 | 24V Relay Kit, Single-pole, 240V, 22 Amp; 277V, 19 Amp | [ ]  |
| 909-124630 | 24V Relay Kit, Double-pole, 240V, 25 Amp; 480V, 12.5 Amp | [ ]  |
| 909-124633 | 24V Relay Kit with Transformer, 208V, 22 Amp | [ ]  |
| 909-124634 | 24V Relay Kit with Transformer, 240V, 22 Amp | [ ]  |
| 909-124635 | 24V Relay Kit with Transformer, 277V, 19 Amp | [ ]  |
| 909-224759 | Tamperproof Single-pole Thermostat Kit | [ ]  |
| 909-224760 | Tamperproof Double-pole Thermostat Kit | [ ]  |

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

Unit with Grille on Top



Right Side

View

Bottom View

Rear View

Unit with Grille on Front (Option F)

Front View

**Architect’s and Engineers Specification**

**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.

**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 element.

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

**Installation Requirements** – Field or factory-installed low voltage relay and thermostat kits. These units are not for residential use in the United States.

**Rough In Dimensions** – Heater Length + 1” wide x 15” high x 6” deep.