

# MUAA

## MAKE-UP AIR UNIT



## GET SOME FRESH AIR... INDOORS!

The MUAA distributes tempered fresh air to provide maximum comfort to the occupants in a well-ventilated home. The heating elements modulate continuously, allowing to heat fresh air at a lower cost. Compact and flexible, this unit has multiple installation positions (horizontal, vertical upflow or downflow) and a plenum kit that allows it to be installed into confined spaces. The MUAA meets ANSI/UL 1995 and ASHRAE 62.2 requirements (*Ventilation and acceptable indoor air quality in low-rise residential buildings*).

- **THE MOST COMPACT AND LIGHTWEIGHT ON THE MARKET**
- **MULTIPLE INSTALLATION POSITIONS**
- **INTEGRATED TEMPERATURE SENSOR FOR EASY INSTALLATION**
- **TWO MODES OF OPERATION**  
CONTINUOUS AND INTERMITTENT
- **EASY ACCESS TO ELECTRICAL AND MECHANICAL COMPONENTS**
- **PLENUM KIT**  
FOR INSTALLATION INTO  
CONFINED SPACES

### FINISH

- 22-gauge galvanized steel cabinet resistant to corrosion

### MANUFACTURING

- removable electric elements with automatic thermal protection
- manual thermal protection
- built-in temperature sensor
- spring backdraft damper with gasket
- easily accessible, washable aluminum filter

### ELEMENTS

- open, nichrome elements
- modulation of the elements by the SCR technology to maintain a constant temperature using only the required energy

### CONTROL

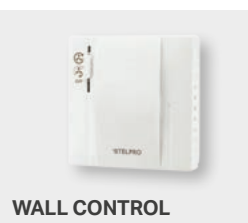
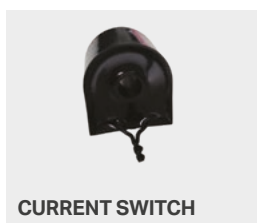
- wall control (MUAA06 120V-1P and 240/208V-1P models)
- terminal strip for exhaust fan (MUAA06 120V-1P and 240/208V-1P models)
- current switch to synchronize with activation of an exhaust fan (other models)

### INSTALLATION

- 6 in. to 12 in. round duct
- horizontal air flow for all models
- vertical air upflow or downflow on 6 in. to 10 in. models only
- "zero inch" clearance from flammable materials

### WARRANTY

- three years, \*five years on elements



°STELPRO

Stelpro reserves the right to modify at any time the description, manufacturing, or price of its products. Additionally, Stelpro may apply restocking fees or refuse a refund based on one or more of the following criteria: optional color, custom product, assembly with low-demand options. For the latest product information and prices regarding the products, please visit the website [www.stelpro.com](http://www.stelpro.com).

# TECHNICAL SPECIFICATIONS

| PRODUCT           | POWER     | VOLTAGE | AMPERAGE  | AIR FLOW** |
|-------------------|-----------|---------|-----------|------------|
| CODE              | WATTS     | VOLTS   | AMP.      | CFM        |
| 6" DUCT DIAMETER† |           |         |           |            |
| MUAA060111        | 1500      | 120     | 12.5      | 45         |
| MUAA060111M*      | 1500      | 120     | 12.5      | 45         |
| MUAA060121        | 1500/1100 | 240/208 | 6.3/5.4   | 45         |
| MUAA060121M*      | 1500/1100 | 240/208 | 6.3/5.4   | 45         |
| MUAA060131        | 1500      | 347     | 4.3       | 45         |
| MUAA060153        | 1500      | 480     | 1.8       | 45         |
| MUAA060163        | 1500      | 600     | 1.4       | 45         |
| MUAA060183        | 1500      | 208     | 4.2       | 45         |
| MUAA060211        | 2000      | 120     | 16.7      | 60         |
| MUAA060211M*      | 2000      | 120     | 16.7      | 60         |
| MUAA060221        | 2000/1500 | 240/208 | 8.3/7.2   | 60         |
| MUAA060221M*      | 2000/1500 | 240/208 | 8.3/7.2   | 60         |
| MUAA060231        | 2000      | 347     | 5.8       | 60         |
| MUAA060253        | 2000      | 480     | 2.4       | 60         |
| MUAA060263        | 2000      | 600     | 1.9       | 60         |
| MUAA060283        | 2000      | 208     | 5.6       | 60         |
| MUAA060321        | 3000/2300 | 240/208 | 12.5/10.8 | 90         |
| MUAA060321M*      | 3000/2300 | 240/208 | 12.5/10.8 | 90         |
| MUAA060331        | 3000      | 347     | 8.6       | 90         |
| MUAA060353        | 3000      | 480     | 3.6       | 90         |
| MUAA060363        | 3000      | 600     | 2.9       | 90         |
| MUAA060383        | 3000      | 208     | 8.3       | 90         |
| 8" DUCT DIAMETER  |           |         |           |            |
| MUAA080421        | 4500/3400 | 240/208 | 18.8/16.3 | 135        |
| MUAA080431        | 4500      | 347     | 13.0      | 135        |
| MUAA080453        | 4500      | 480     | 5.4       | 135        |
| MUAA080463        | 4500      | 600     | 4.3       | 135        |
| MUAA080483        | 4500      | 208     | 12.5      | 135        |
| MUAA080521        | 5000/3800 | 240/208 | 20.8/18.1 | 150        |
| MUAA080531        | 5000      | 347     | 14.4      | 150        |
| MUAA080553        | 5000      | 480     | 6.0       | 150        |
| MUAA080563        | 5000      | 600     | 4.8       | 150        |
| MUAA080583        | 5000      | 208     | 13.9      | 150        |
| MUAA080621        | 6000/4500 | 240/208 | 25/21.7   | 180        |
| MUAA080631        | 6000      | 347     | 17.3      | 180        |
| MUAA080653        | 6000      | 480     | 7.2       | 180        |
| MUAA080663        | 6000      | 600     | 5.8       | 180        |
| MUAA080683        | 6000      | 208     | 16.7      | 180        |
| 10" DUCT DIAMETER |           |         |           |            |
| MUAA100721        | 7000/5300 | 240/208 | 29.2/25.3 | 210        |
| MUAA100731        | 7000      | 347     | 20.2      | 210        |
| MUAA100753        | 7000      | 480     | 8.4       | 210        |
| MUAA100763        | 7000      | 600     | 6.7       | 210        |
| MUAA100783        | 7000      | 208     | 19.5      | 210        |
| MUAA100821        | 8000/6000 | 240/208 | 33.3/28.9 | 240        |
| MUAA100831        | 8000      | 347     | 23.1      | 240        |
| MUAA100853        | 8000      | 480     | 9.6       | 240        |
| MUAA100863        | 8000      | 600     | 7.7       | 240        |
| MUAA100883        | 8000      | 208     | 22.2      | 240        |
| MUAA100921        | 9000/6800 | 240/208 | 37.5/32.5 | 270        |
| MUAA100931        | 9000      | 347     | 25.9      | 270        |
| MUAA100953        | 9000      | 480     | 10.8      | 270        |
| MUAA100963        | 9000      | 600     | 8.7       | 270        |

\* A motorized feature is available upon request for 6 models.

\*\* To reach maximum product outlet temperature of 40 °C (104 °F) when outside temperature is -20 °C (-4 °F)

† These models are offered with a neutral terminal (three-wire connection). Refer to the electrical drawing for more details.

# TECHNICAL SPECIFICATIONS

| PRODUCT                     | POWER       | VOLTAGE | AMPERAGE  | AIR FLOW** |
|-----------------------------|-------------|---------|-----------|------------|
| CODE                        | WATTS       | VOLTS   | AMP.      | CFM        |
| 10" DUCT DIAMETER CONTINUED |             |         |           |            |
| MUAA100983                  | 9000        | 208     | 25.0      | 270        |
| MUAA101021                  | 10000/7500  | 240/208 | 41.7/36.1 | 300        |
| MUAA101031                  | 10000       | 347     | 28.8      | 300        |
| MUAA101053                  | 10000       | 480     | 12.0      | 300        |
| MUAA101063                  | 10000       | 600     | 9.6       | 300        |
| MUAA101083                  | 10000       | 208     | 27.8      | 300        |
| MUAA101221                  | 12000/9000  | 240/208 | 50.0/43.3 | 360        |
| MUAA101231                  | 12000       | 347     | 34.6      | 360        |
| MUAA101253                  | 12000       | 480     | 14.5      | 360        |
| MUAA101263                  | 12000       | 600     | 11.6      | 360        |
| MUAA101283                  | 12000       | 208     | 33.3      | 360        |
| 12" DUCT DIAMETER           |             |         |           |            |
| MUAA120821                  | 8000/6000   | 240/208 | 33.3/28.9 | 240        |
| MUAA120831                  | 8000        | 347     | 23.1      | 240        |
| MUAA120853                  | 8000        | 480     | 9.6       | 240        |
| MUAA120863                  | 8000        | 600     | 7.7       | 240        |
| MUAA120883                  | 8000        | 208     | 22.2      | 240        |
| MUAA121021                  | 10000/7500  | 240/208 | 41.7/36.1 | 300        |
| MUAA121031                  | 10000       | 347     | 28.8      | 300        |
| MUAA121053                  | 10000       | 480     | 12.0      | 300        |
| MUAA121063                  | 10000       | 600     | 9.6       | 300        |
| MUAA121083                  | 10000       | 208     | 27.8      | 300        |
| MUAA121221                  | 12000/9000  | 240/208 | 50.0/43.3 | 360        |
| MUAA121231                  | 12000       | 347     | 34.6      | 360        |
| MUAA121253                  | 12000       | 480     | 14.5      | 360        |
| MUAA121263                  | 12000       | 600     | 11.6      | 360        |
| MUAA121283                  | 12000       | 208     | 33.3      | 360        |
| MUAA121421                  | 14000/10500 | 240/208 | 58.3/50.6 | 420        |
| MUAA121431                  | 14000       | 347     | 40.3      | 420        |
| MUAA121453                  | 14000       | 480     | 16.9      | 420        |
| MUAA121463                  | 14000       | 600     | 13.5      | 420        |
| MUAA121483                  | 14000       | 208     | 38.9      | 420        |
| MUAA121621                  | 16000/12000 | 240/208 | 66.7/57.8 | 480        |
| MUAA121631                  | 16000       | 347     | 46.1      | 480        |
| MUAA121653                  | 16000       | 480     | 19.3      | 480        |
| MUAA121663                  | 16000       | 600     | 15.4      | 480        |
| MUAA121683                  | 16000       | 208     | 44.5      | 480        |
| MUAA121821                  | 18000/13500 | 240/208 | 75.0/65.0 | 540        |
| MUAA121831                  | 18000       | 347     | 51.9      | 540        |
| MUAA121853                  | 18000       | 480     | 21.7      | 540        |
| MUAA121863                  | 18000       | 600     | 17.3      | 540        |
| MUAA121883                  | 18000       | 208     | 50.0      | 540        |
| MUAA122021                  | 20000/15000 | 240/208 | 83.3/72.2 | 600        |
| MUAA122031                  | 20000       | 347     | 57.6      | 600        |
| MUAA122053                  | 20000       | 480     | 24.1      | 600        |
| MUAA122063                  | 20000       | 600     | 19.3      | 600        |
| MUAA122083                  | 20000       | 208     | 55.6      | 600        |

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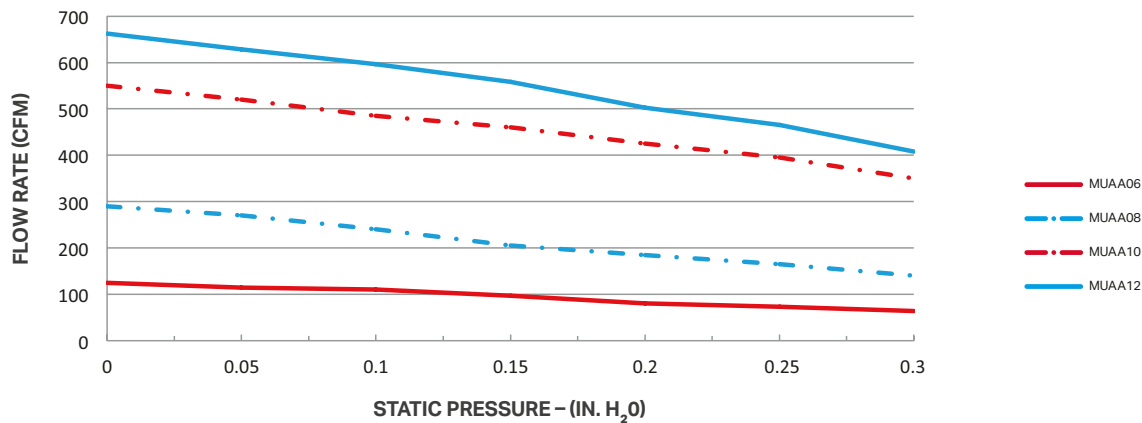
# ACCESSORIES

| PRODUCT     | DESCRIPTION                                                            |
|-------------|------------------------------------------------------------------------|
| SWI-037     | wall control (included with the MUA06 120V-1P and 240/208V-1P models)  |
| MUA06-DIS*  | disconnect switch 6 in (25 A @ 120 V-1P, 240/208 V-1P)                 |
| MUA06-DIS*  | disconnect switch 6 in (40 A @ 208 V-3P, 347 V-1P, 480 V-3P, 600 V-3P) |
| MUA08-DIS*  | disconnect switch 8 in (40 A)                                          |
| MUA10-DIS*  | disconnect switch 10 in (100 A)                                        |
| MUA12-DIS*  | disconnect switch 12 in (100 A)                                        |
| MUA06-DNW** | plenum kit 6 in (25 A @ 120 V-1P, 240/208 V-1P)                        |
| MUA06-DNW** | plenum kit 6 in (40 A @ 208 V-3P, 347 V-1P, 480 V-3P, 600 V-3P)        |
| MUA08-DNW** | plenum kit 8 in (40 A)                                                 |
| MUA10-DNW** | plenum kit 10 in (100 A)                                               |
| MUA12-DNW** | plenum kit 12 in (100 A)                                               |

\* Includes a disconnect switch, sealed control panel (meet NEMA 12) and wire mesh at air outlet.

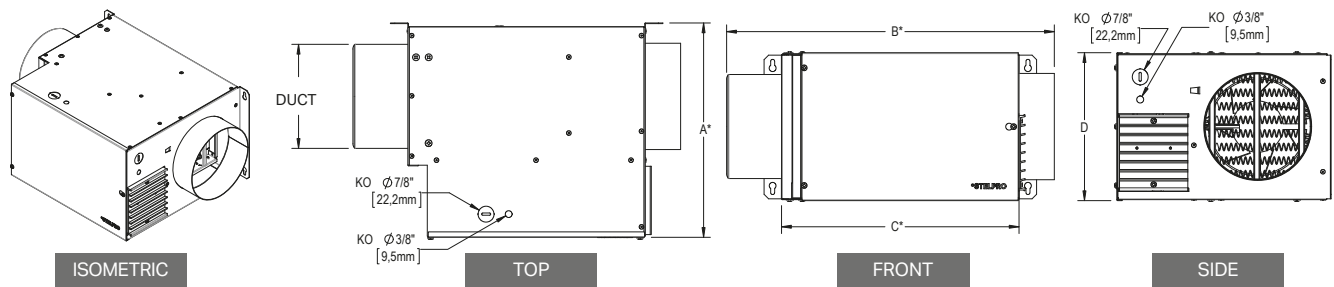
\*\* Factory installed

## MAXIMUM PERFORMANCE CHART



## TECHNICAL DRAWINGS

### MUA06 120V-1P AND 240/208V-1P MODELS



### OTHER MODELS

