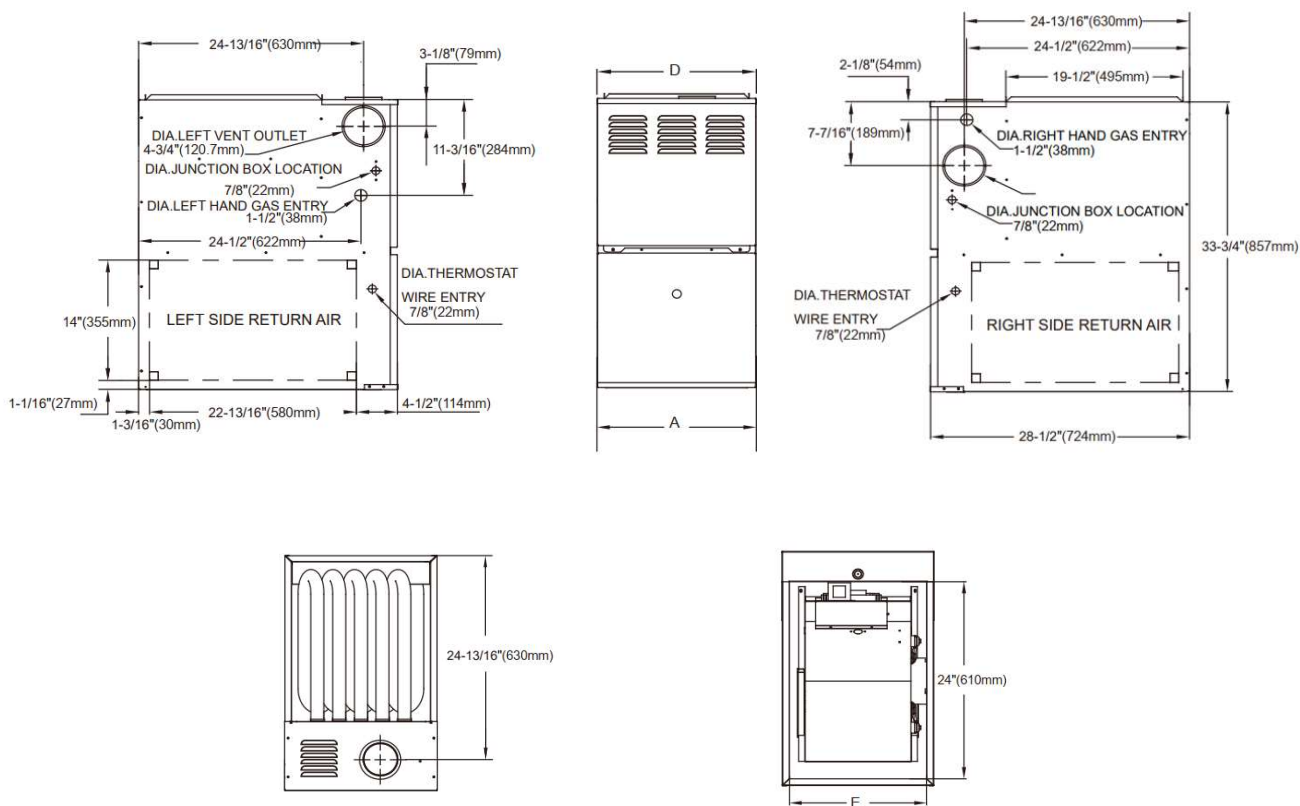


TAG: \_\_\_\_\_

## SUBMITTAL

### 80% AFUE Single-Stage Gas Furnace, Low NOx (40K BTU - 120K BTU)

**AC-F\*\*0-80M1A (14 inch)**  
**AC-F\*\*0-80M1B (17.5 inch)**  
**AC-F\*\*0-80M1C (21 inch)**  
**AC-F\*\*0-80M1D (24.5 inch)**



|               | A<br>CABINET WIDTH IN. | D<br>SUPPLY AIR WIDTH IN. | E<br>RETURN AIR WIDTH IN. | SHIP WT (lbs) |
|---------------|------------------------|---------------------------|---------------------------|---------------|
| AC-F040-80M1A | 14.5                   | 13                        | 12-27/32                  | 114.5         |
| AC-F060-80M1A | 14.5                   | 13                        | 12-27/32                  | 114.5         |
| AC-F060-80M1B | 17.5                   | 16                        | 15-27/32                  | 122.2         |
| AC-F080-80M1B | 17.5                   | 16                        | 15-27/32                  | 126.7         |
| AC-F080-80M1C | 21                     | 19.5                      | 19-13/32                  | 136.6         |
| AC-F100-80M1C | 21                     | 19.5                      | 19-13/32                  | 146.5         |
| AC-F120-80M1D | 24.5                   | 23                        | 22-27/32                  | 158.6         |

## PRODUCT SPECIFICATIONS

| ACiQ Model Number:             | AC-F040-80M1A       | AC-F060-80M1A       | AC-F060-80M1B       | AC-F080-80M1B       |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|
| Product UPC Code:              | 810175556505        | 810175556512        | 810175556529        | 810175556536        |
| FUEL TYPE                      | Natural/Propane Gas | Natural/Propane Gas | Natural/Propane Gas | Natural/Propane Gas |
| <b>GAS HEATING PERFORMANCE</b> |                     |                     |                     |                     |
| Input (BTU/h)                  | 40,000              | 60,000              | 60,000              | 80,000              |
| Output (BTU/h)                 |                     |                     |                     |                     |
| Natural Gas                    | 32,000              | 48,000              | 48,000              | 64,000              |
| LP Gas                         | 32,000              | 48,000              | 48,000              | 64,000              |
| AFUE                           | 80                  | 80                  | 80                  | 80                  |
| Available AC @ 0.5" ESP        | 1/1.5/2/2.5         | 1.5/2/2.5/3         | 1.5/2/2.5/3         | 2.5/3/3.5/4         |
| Temperature Rise Range (° F)   | 20-50               | 25-55               | 25-55               | 25-55               |
| <b>ELECTRICAL DATA</b>         |                     |                     |                     |                     |
| Voltage/Phase(60Hz)            | 115                 | 115                 | 115                 | 115                 |
| Min. / Max. Voltage            | 104/127             | 104/127             | 104/127             | 104/127             |
| Min. Circuit Ampacity          | 8.4                 | 8.4                 | 9.2                 | 9.2                 |
| Max. Overcurrent Protection    | 15                  | 15                  | 15                  | 15                  |
| <b>FAN MOTOR</b>               |                     |                     |                     |                     |
| Motor Type                     | ECM                 | ECM                 | ECM                 | ECM                 |
| Horsepower                     | 1/2                 | 1/2                 | 1/2                 | 1/2                 |
| Rated RPM                      | 1050                | 1050                | 1050                | 1050                |
| Full Load Amps (FLA)           | 6.7                 | 6.7                 | 7.3                 | 7.3                 |
| Capacitor (uF)                 | \                   | \                   | \                   | \                   |
| <b>CIRCULATOR BLOWER</b>       |                     |                     |                     |                     |
| Material                       | Metal               | Metal               | Metal               | Metal               |
| Type                           | Centrifugal         | Centrifugal         | Centrifugal         | Centrifugal         |
| Size (D x H) (in.)             | 11-3/16x 6-9/64     | 11-3/16x 6-9/64     | 11-3/16x 9-41/64    | 11-3/16x 9-41/64    |
| Vent Diameter <sup>1</sup>     | 3"/4"               | 3"/4"               | 3"/4"               | 3"/4"               |
| No. of Burners                 | 3                   | 3                   | 3                   | 4                   |
| Speed Mode Number              | 5                   | 5                   | 5                   | 5                   |

## PRODUCT SPECIFICATIONS

| ACiQ Model Number:             | AC-F080-80M1C       | AC-F100-80M1C       | AC-F120-80M1D       |
|--------------------------------|---------------------|---------------------|---------------------|
| Product UPC Code:              | 810175556543        | 810175556550        | 810175556567        |
| FUEL TYPE                      | Natural/Propane Gas | Natural/Propane Gas | Natural/Propane Gas |
| <b>GAS HEATING PERFORMANCE</b> |                     |                     |                     |
| Input (BTU/h)                  | 80,000              | 100000              | 120000              |
| Output (BTU/h)                 |                     |                     |                     |
| Natural Gas                    | 64,000              | 80,000              | 96,000              |
| LP Gas                         | 64,000              | 80,000              | 96,000              |
| AFUE                           | 80                  | 80                  | 80                  |
| Available AC @ 0.5" ESP        | 2.5/3/3.5/4         | 3.5/4/4.5/5         | 3.5/4/4.5/5         |
| Temperature Rise Range(° F)    | 25-55               | 25-55               | 30-60               |
| <b>ELECTRICAL DATA</b>         |                     |                     |                     |
| Voltage/Phase(60Hz)            | 115                 | 115                 | 115                 |
| Min. / Max. Voltage            | 104/127             | 104/127             | 104/127             |
| Min. Circuit Ampacity          | 9.0                 | 14.0                | 14.8                |
| Max. Overcurrent Protection    | 15                  | 20                  | 20                  |
| <b>FAN MOTOR</b>               |                     |                     |                     |
| Motor Type                     | ECM                 | ECM                 | ECM                 |
| Horsepower                     | 1/2                 | 1                   | 1                   |
| Rated RPM                      | 1050                | 1050                | 1050                |
| Full Load Amps (FLA)           | 7.2                 | 11.2                | 11.8                |
| Capacitor (uF)                 | \                   | \                   | \                   |
| <b>CIRCULATOR BLOWER</b>       |                     |                     |                     |
| Material                       | Metal               | Metal               | Metal               |
| Type                           | Centrifugal         | Centrifugal         | Centrifugal         |
| Size (D x H) (in.)             | 11-3/16 x 11-3/16   | 11-3/16 x 11-3/16   | 11-3/16 x 11-29/64  |
| Vent Diameter <sup>1</sup>     | 3"/4"               | 3"/4"               | 3"/4"               |
| No. of Burners                 | 4                   | 5                   | 6                   |
| Speed Mode Number              | 5                   | 5                   | 5                   |

### Standard Features:

- Durable aluminized steel tubular heat exchanger
- Efficient and quiet variable speed ECM, constant air volume control technology, stable air outlet with different pipe resistances
- Two-stage gas valve provides quiet, economical heating
- Silicon Nitride igniter designed for long igniter life
- Self-diagnostic control board with constant memory fault code history output to a triple 7-segment display
- Natural gas and propane (LP) convertible
- NOx emissions below 40ng/J
- AHRI Certified; ETL Listed
- L.P. Conversion Kit included with unit

### Cabinet Features:

- Designed for multi-position installation: Up flow, down flow, horizontal
- Industry-standard cabinet sizes for easy replacement, installation and add-on cooling
- Convenient left or right connection for gas and electric service
- Removable bottom for side or bottom return application
- Coil and furnace fit flush for most installations
- Air leakage is less than 1.4%
- Improved adaptable furnace to coil mounting for horizontal and downflow applications

