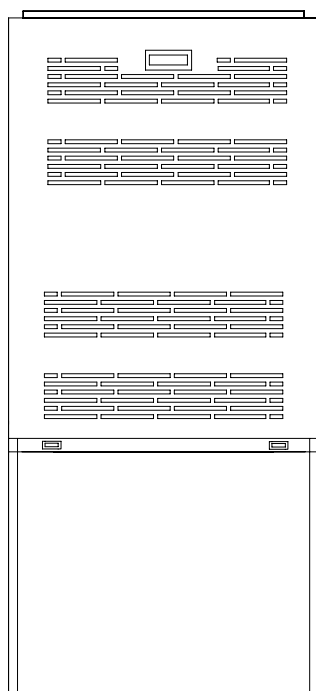


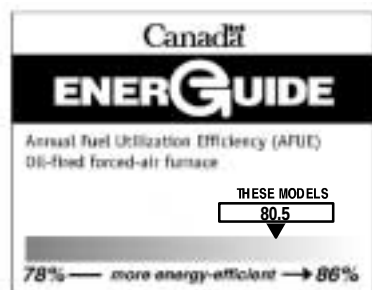


Representative only, some models may vary in appearance.

## MULTI-POSITION FURNACE

### FEATURES

- **Fan Control Switch** – for continuous speed.
- **Accessory terminals** – prewired for easy add-on electronic air cleaner and power humidifier. Air conditioning ready for easy add-on.
- **Large external front clean out** – for easy cleaning.
- **Clean out** – sealed from blower compartment (no soot to spread).
- **Easy Access** – control panel.
- **Sight Glass/View Port**
- **Test Ports** – factory installed to provide efficient access for set-up and service.
- **“Easy Access” heat exchanger** – manufactured from heavy gauge steel.
- **Multi-Speed Direct Drive Motors** – permanently lubricated for long life performance.
- **Heavy-duty insulated cabinet** – for quiet operation.
- **Approved for 2” clearance to combustibles** – for tight installations.
- **Stainless steel primary heat exchanger.**
- **Precision balanced blower** – ensures quiet, efficient air distribution.
- **Raised cabinet base** – allows air to circulate under the cabinet. Eliminates dampness.
- **Approved** – For chimney installation ONLY.
- **Efficient** – Up to 80.5% AFUE.
- **Warranty** – Limited lifetime on heat exchanger, five(5) years on burner and most other parts.
- **Shipped complete** – Vestibule, barometric damper, burners and nozzles are installed.
- **Filters & filter rack** – Included.



## FURNACE SPECIFICATIONS

| Model:                                        | NOMF105D12                             |                |           | NOMF155E19                            |                |           |
|-----------------------------------------------|----------------------------------------|----------------|-----------|---------------------------------------|----------------|-----------|
| Rating and Performance                        |                                        |                |           |                                       |                |           |
| Firing Rate                                   | .50                                    | .65            | .75       | .85                                   | 1.00           | 1.10      |
| Input (BTUh)                                  | 70,000                                 | 91,000         | 105,000   | 119,000                               | 140,000        | 154,000   |
| Heating capacity (BTUh)                       | 57,000                                 | 74,000         | 86,000    | 97,000                                | 115,000        | 126,000   |
| AFUE %                                        | 80                                     | 80             | 80        | 80                                    | 80             | 80        |
| Minimum - maximum Temperature Rise            | 55° - 85° F                            |                |           | 55° - 85° F                           |                |           |
| Beckett Burner, Model AFG (3450 rpm)          | AFG- F3                                |                |           | AFG- F3                               |                | AFG- F6   |
| Beckett Part # for Retention head F6          | ---                                    |                |           | ---                                   |                | 360006    |
| Low firing rate baffle                        | Yes                                    |                |           | Yes                                   |                | Yes       |
| Static disc. model                            | 3 <sup>3</sup> / <sub>8</sub> " #31646 |                |           | 2 <sup>3</sup> / <sub>4</sub> " #3383 |                |           |
| Nozzle - 100 PSIG pump pressure (Delavan)     | 0.50--70W                              | 0.65--70W      | 0.75--70B | 0.85--70B                             | 1.00--70W      | 1.10--70W |
| Combustion air adjustment (band/shutter)      | 0/5                                    | 0/7            | 0/8       | 1/8                                   | 4/4            | 2/8       |
| <b>Electrical System</b>                      |                                        |                |           |                                       |                |           |
| Volts - Hertz - Phase                         | 115-60-1                               |                |           | 115-60-1                              |                |           |
| Operating voltage range                       | 104 - 132                              |                |           | 104 - 132                             |                |           |
| Rated voltage Amp                             | 12.2                                   |                |           | 15.7                                  |                |           |
| Minimum ampacity for wiring sizing            | 13.7                                   |                |           | 18.1                                  |                |           |
| Max. wire length (ft.)                        | 26                                     |                |           | 26                                    |                |           |
| Max. fuse size (Amps.)                        | 15                                     |                |           | 20                                    |                |           |
| Control transformer                           | 40 Va                                  |                |           | 40 Va                                 |                |           |
| Ext. control power available, Heating Cooling |                                        | 40 Va<br>30 Va |           |                                       | 40 Va<br>30 Va |           |
| <b>Blower Data</b>                            |                                        |                |           |                                       |                |           |
| Blower speed @ 0.5" WC static pressure        | Med-Low                                | Med-High       | High      | Med-Low                               | Med-High       | High      |
| Maximum cooling, tons @ 0.5" WC               | 2                                      | 2.5            | 3.0       | 3.0                                   | 4              | 4.5       |
| Motor (HP) / number of speeds                 | 1/3 HP / 4 speeds                      |                |           | 3/4 HP / 4 speeds                     |                |           |
| Blower wheel size (in.)                       | 10 x 10                                |                |           | 12 x 10                               |                |           |
| Filter quantity and size                      | (1) 16 x 24                            |                |           | (1) 18 x 30                           |                |           |
| Weight (Lbs.)                                 | 205                                    |                |           | 248                                   |                |           |

## BLOWER PERFORMANCE DATA (Air delivery - CFM with air filter)

| Model No. | NOMF105D12                               |      |      |      | NOMF155E19 |      |      |      |
|-----------|------------------------------------------|------|------|------|------------|------|------|------|
|           | External Static Pressure with Air filter |      |      |      |            |      |      |      |
| Speed     | 0.20                                     | 0.30 | 0.40 | 0.5  | 0.20       | 0.30 | 0.40 | 0.5  |
| High      | 1425                                     | 1350 | 1305 | 1250 | 2080       | 2041 | 1965 | 1864 |
| Med-Hi    | 1130                                     | 1045 | 1000 | 950  | 1892       | 1859 | 1770 | 1675 |
| Med-Lo    | 840                                      | 810  | 770  | 740  | 1556       | 1475 | 1394 | 1318 |
| Low       | NA                                       | NA   | NA   | NA   | NA         | NA   | NA   | NA   |

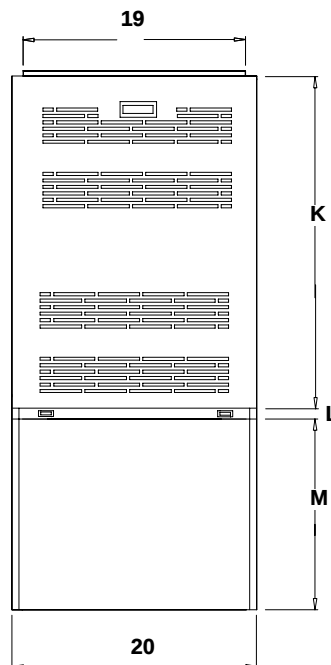
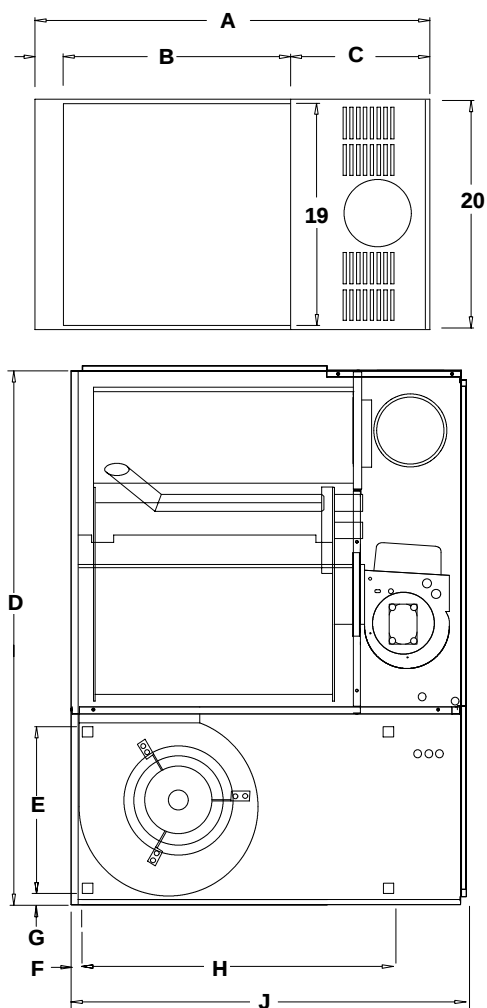
NA = Not Applicable

## NEW MODEL NUMBER IDENTIFICATION GUIDE

|                      |  |                                                                     |          |                                                              |          |            |          |                                                                                                                                                                                             |          |
|----------------------|--|---------------------------------------------------------------------|----------|--------------------------------------------------------------|----------|------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| <b>MODEL NUMBER</b>  |  | <b>N</b>                                                            | <b>O</b> | <b>M</b>                                                     | <b>F</b> | <b>105</b> | <b>D</b> | <b>12</b>                                                                                                                                                                                   | <b>#</b> |
| <b>FUEL</b>          |  | O = Oil                                                             |          |                                                              |          |            |          | <b>REVISION</b>                                                                                                                                                                             |          |
| <b>PRODUCT GROUP</b> |  | U = Upflow<br>H = Horizontal<br>T = Upflow/Horizontal<br>L = Lowboy |          | D = Downflow<br>C = Downflow/Horizontal<br>M = Multiposition |          |            |          | <b>AIR FLOW</b><br>12 = 1200 CFM<br>19 = 1900 CFM                                                                                                                                           |          |
| <b>SERIES</b>        |  | F = Front Breech<br>R = Rear Breech                                 |          |                                                              |          |            |          | <b>SUPPLY PLENUM SIZE</b><br>A = 20 x 20      E = 19 x 24<br>B = 24 x 24      F = 20 x 24<br>C = 21 <sup>1</sup> / <sub>8</sub> x 21 <sup>1</sup> / <sub>2</sub> G = 22 x 30<br>D = 19 x 20 |          |
|                      |  |                                                                     |          |                                                              |          |            |          | <b>INPUT, MBTUH</b>                                                                                                                                                                         |          |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## DIMENSIONS



27-11-36c

ALL DIMENSIONS IN INCHES

Representative only, some models may vary in appearance.

**Furnace Dimensions for NOMF**

| Model No. | A                              | B  | C                              | D                              | E  | F                             | G                             | H  | J                              | K                              | L | M                              | Flue |
|-----------|--------------------------------|----|--------------------------------|--------------------------------|----|-------------------------------|-------------------------------|----|--------------------------------|--------------------------------|---|--------------------------------|------|
| 105D12    | 35                             | 20 | 12                             | 48 <sup>3</sup> / <sub>4</sub> | 14 | 1 <sup>1</sup> / <sub>4</sub> | 1 <sup>1</sup> / <sub>2</sub> | 23 | 35                             | 29 <sup>3</sup> / <sub>4</sub> | 2 | 16 <sup>1</sup> / <sub>2</sub> | 5    |
| 155E19    | 39 <sup>1</sup> / <sub>2</sub> | 24 | 12 <sup>7</sup> / <sub>8</sub> | 53                             | 16 | 1 <sup>1</sup> / <sub>2</sub> | 1 <sup>1</sup> / <sub>2</sub> | 28 | 39 <sup>1</sup> / <sub>2</sub> | 33 <sup>1</sup> / <sub>4</sub> | 1 | 18 <sup>3</sup> / <sub>4</sub> | 6    |

**Minimum Installation Clearances from Combustible Materials**

| Models    |                                               | NOMF105 |          |            | NOMF155 |          |            |
|-----------|-----------------------------------------------|---------|----------|------------|---------|----------|------------|
| Location  | Application                                   | Upflow  | Downflow | Horizontal | Upflow  | Downflow | Horizontal |
| Sides     | Furnace                                       | 0       | 2"       | 2"         | 1"      | 2"       | 2"         |
|           | Supply plenum within 6' of furnace            | 1"      | 2"       | 1"         | 1"      | 2"       | 1"         |
| Back      | Furnace                                       | 0       | 1"       | 0          | 0       | 1"       | 0          |
| Top       | Furnace or plenum                             | 2"      | 2"       | 2"         | 2"      | 2"       | 2"         |
|           | Horizontal warm air duct within 6' of furnace | 2"      | 2"       | 3"         | 2"      | 2"       | 3"         |
| Bottom    | Furnace - combustible floor with the subbase  | 0       | 0        | 0          | 0       | 0        | 0          |
| Flue Pipe | Horizontally or below Flue Pipe               | 4"      | 4"       | 4"         | 4"      | 4"       | 4"         |
|           | Vertically above Flue Pipe                    | 9"      | 9"       | 9"         | 9"      | 9"       | 9"         |
| Front     | Furnace                                       | 8"      | 8"       | 24"        | 8"      | 8"       | 24"        |

## ACCESSORIES

| Product Model No. | Burners                                          | Horizontal Flow Base | Downflow Subbase | Downflow Flue Pipe Guard |
|-------------------|--------------------------------------------------|----------------------|------------------|--------------------------|
| NOMF105D12        | Beckett AFG--F3<br>Shipped with Nozzle 0.60--70B | HFB101               | DFB101           | FPG101                   |
| NOMF155E19        | Beckett AFG F3<br>Shipped with Nozzle 1.00--70B  |                      |                  | FPG102                   |

## ACCESSORY DESCRIPTION

| Accessories Model No | Description                                                        |
|----------------------|--------------------------------------------------------------------|
| HFB101               | Horizontal Flow Base for NOMF Furnace                              |
| DFB101               | Downflow Subbase for NOMF Furnace                                  |
| FPG101               | Flue Pipe Guard for Downflow (NOMF105 Furnace)                     |
| FPG102               | Flue Pipe Guard for Downflow (NOMF155 Furnace)                     |
| N03G006              | Nozzle, Oil Burner, Delavan, 0.50 GPH/70° Type W (NOMF105 Furnace) |
| N03G007              | Nozzle, Oil Burner, Delavan, 0.65 GPH/70° Type W (NOMF105 Furnace) |
| N03H013              | Nozzle, Oil Burner, Delavan, 0.75 GPH/70° Type B (NOMF105 Furnace) |
| N03H008              | Nozzle, Oil Burner, Delavan, 0.85 GPH/70° Type B (NOMF155 Furnace) |
| N03G012              | Nozzle, Oil Burner, Delavan, 1.00 GPH/70° Type W (NOMF155 Furnace) |
| N03G013              | Nozzle, Oil Burner, Delavan, 1.10 GPH/70° Type W (NOMF155 Furnace) |