



The new degree of comfort.®

PROJECT NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

ARCHITECT \_\_\_\_\_

ENGINEER \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

**UNIT SUMMARY**

Quantity						
Unit Designation						
Model No.						
Total Cooling						
Sensible Cooling						
Air Ent. Evaporator						
Air Lvg. Evaporator						
Heating Input						
Heating Output						
CFM/ESP						
EER/SEER						
Electrical						
Minimum Ampacity						
Min.-Max. Breaker						
Net Unit Weight						
Accessory						
Catalog Form Number						

**ACCESSORIES:**

**NOTES:**

# Endeavor® Line (-)801T Upflow/Horizontal Gas Furnaces

## Heating Stages: Single Stage

## Motor Type: Constant Torque

## Input Rates: 50-125 kBTU [14.6-36.6 kW]

JOB NAME \_\_\_\_\_ LOCATION \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ ORDER NO. \_\_\_\_\_

ENGINEER \_\_\_\_\_ UNIT MODEL NO. \_\_\_\_\_

SUBMITTED FOR  APPROVAL  RECORD COIL MODEL NO. \_\_\_\_\_

DATE \_\_\_\_\_ AIR HANDLER MODEL NO. \_\_\_\_\_

### UNIT DATA

#### HEATING PERFORMANCE

TOTAL CAPACITY INPUT\* ..... \_\_\_\_\_ MBH [kW]

TOTAL CAPACITY OUTPUT\* ..... \_\_\_\_\_ MBH [kW]

DESIGN TEMP. RISE..... \_\_\_\_\_ °F [°C] DB

AFUE ..... \_\_\_\_\_ %

CALIFORNIA SEASONAL EFFICIENCY ..... \_\_\_\_\_ %

(\*uses blower motor heat)

#### SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY..... \_\_\_\_\_ CFM [L/s]

TOTAL RESISTANCE EXTERNAL TO UNIT..... \_\_\_\_\_ IWG

BLOWER SPEED..... \_\_\_\_\_ RPM

POWER OUTPUT REQUIREMENT ..... \_\_\_\_\_ BHP

MOTOR RATING ..... \_\_\_\_\_ HP [W]

POWER INPUT REQUIREMENT ..... \_\_\_\_\_ kW

#### ELECTRICAL DATA

POWER SUPPLY..... \_\_\_\_\_ Hz

TOTAL UNIT AMPACITY..... \_\_\_\_\_ AMPS

MINIMUM WIRE SIZE..... \_\_\_\_\_ AWG

MAXIMUM OVERCURRENT DEVICE FUSES/HACR BREAKER ..... \_\_\_\_\_ AMPS

### FEATURES

- **PlusOne® Diagnostics:** Industry-first, 7-segment LED for quick & easy service
- **PlusOne® Ignition System:** Proven Direct Spark Ignition (DSI) for reliability and longevity
- **Low Profile, 34-inch Cabinet:** Makes our furnaces ideal for space-constrained installations
- **Hemmed Cabinet & Door Edges and Quarter-Turn Door Fasteners (Upflow/Horizontal only):** Allows for safe, tool-less access and serviceability
- **Removable Heat Exchanger:** Improves serviceability. Aluminized steel construction provides maximum corrosion resistance and thermal fatigue reliability

### FIELD INSTALLED ACCESSORIES

- External Bottom Filter Rack RXGF-CB .....
- External Side Filter Rack RXGF-CD .....
- Indoor Coil Casing RXBC-D14A1.....
- Indoor Coil Casing RXBC-D17A1.....
- Indoor Coil Casing RXBC-D21A1.....
- Indoor Coil Casing RXBC-D21B1 .....
- Indoor Coil Casing RXBC-D24A1.....
- 4" Flue Adapter RXGW-C01 .....



**WARNING**  
 THIS FURNACE IS NOT APPROVED  
 OR RECOMMENDED FOR INSTALLATION  
 ON ITS BACK, WITH ACCESS DOORS  
 FACING UPWARDS.

**Upflow Application**

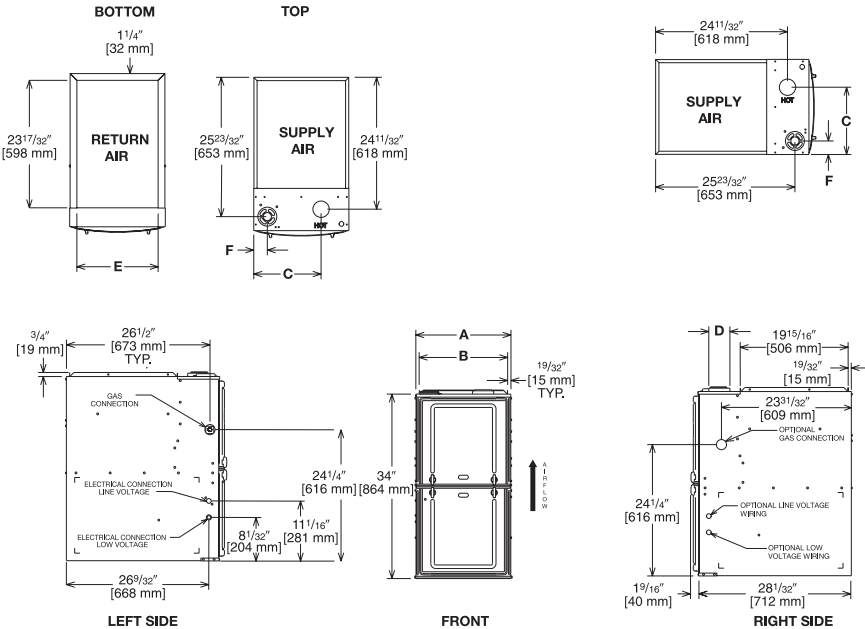


Illustration  
 ST-A1220-04-00  
 FIGURE 1

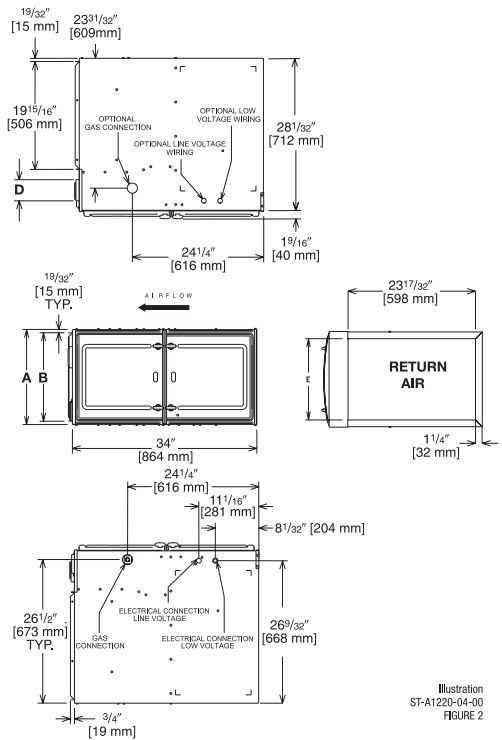


Illustration  
 ST-A1220-04-00  
 FIGURE 2

**Dimensional Data: Upflow Model**

MODEL (-)801T UH	A	B	C	D	E	F	MINIMUM CLEARANCE (IN.) [mm]					
							LEFT SIDE	RIGHT SIDE	BACK	TOP	FRONT	VENT
050314	14 [356]	12 <sup>27</sup> / <sub>32</sub> [326]	10 <sup>5</sup> / <sub>8</sub> [270]	①	11 <sup>1</sup> / <sub>2</sub> [292]	17 <sup>7</sup> / <sub>8</sub> [48]	0	4 [102] ②	0	1 [25]	3 [76]	6 [152] ③
050417/75417	17 <sup>1</sup> / <sub>2</sub> [445]	16 <sup>11</sup> / <sub>32</sub> [415]	12 <sup>3</sup> / <sub>8</sub> [314]	①	15 [381]	2 <sup>1</sup> / <sub>2</sub> [64]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③
075521/100	21 [533]	19 <sup>27</sup> / <sub>32</sub> [504]	14 <sup>1</sup> / <sub>8</sub> [359]	①	18 <sup>1</sup> / <sub>2</sub> [470]	2 <sup>1</sup> / <sub>2</sub> [64]	0	0	0	1 [25]	3 [76]	6 [152] ③
125	24 <sup>1</sup> / <sub>2</sub> [622]	23 <sup>11</sup> / <sub>32</sub> [593]	15 <sup>7</sup> / <sub>8</sub> [403]	①	22 [559]	2 <sup>1</sup> / <sub>2</sub> [64]	0	0	0	1 [25]	3 [76]	6 [152] ③

**Dimensional Data: Horizontal Model**

MODEL (-)801T UH	A	B	C	D	E	F	MINIMUM CLEARANCE (IN.) [mm]					
							SUPPLY AIR SIDE	RETURN AIR SIDE	BACK	TOP	FRONT	VENT
50314	14 [356]	12 <sup>27</sup> / <sub>32</sub> [326]	10 <sup>5</sup> / <sub>8</sub> [270]	①	11 <sup>1</sup> / <sub>2</sub> [292]	17 <sup>7</sup> / <sub>8</sub> [48]	4 [102] ②	4 [102] ②	0	1 [25]	3 [76]	6 [152] ③
050417/75417	17 <sup>1</sup> / <sub>2</sub> [445]	16 <sup>11</sup> / <sub>32</sub> [415]	12 <sup>3</sup> / <sub>8</sub> [314]	①	15 [381]	2 <sup>1</sup> / <sub>2</sub> [64]	3 [76] ②	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③
075521/100	21 [533]	19 <sup>27</sup> / <sub>32</sub> [504]	14 <sup>1</sup> / <sub>8</sub> [359]	①	18 <sup>1</sup> / <sub>2</sub> [470]	2 <sup>1</sup> / <sub>2</sub> [64]	0	0	0	1 [25]	3 [76]	6 [152] ③
125	24 <sup>1</sup> / <sub>2</sub> [622]	23 <sup>11</sup> / <sub>32</sub> [593]	15 <sup>7</sup> / <sub>8</sub> [403]	①	22 [559]	2 <sup>1</sup> / <sub>2</sub> [64]	0	0	0	1 [25]	3 [76]	6 [152] ③

NOTES: ① May require a 3" [76 mm] to 4" [102 mm] or 3" [76 mm] to 5" [127 mm] adapter.

[ ] Designates Metric Conversions

- ② May be 0" [0 mm] with type B vent.
- ③ May be 1" [25 mm] with type B vent.

Furnaces must be vented in accordance with the National Fuel Gas Code, ANSI Z223.1 and in accordance with local codes.

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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