

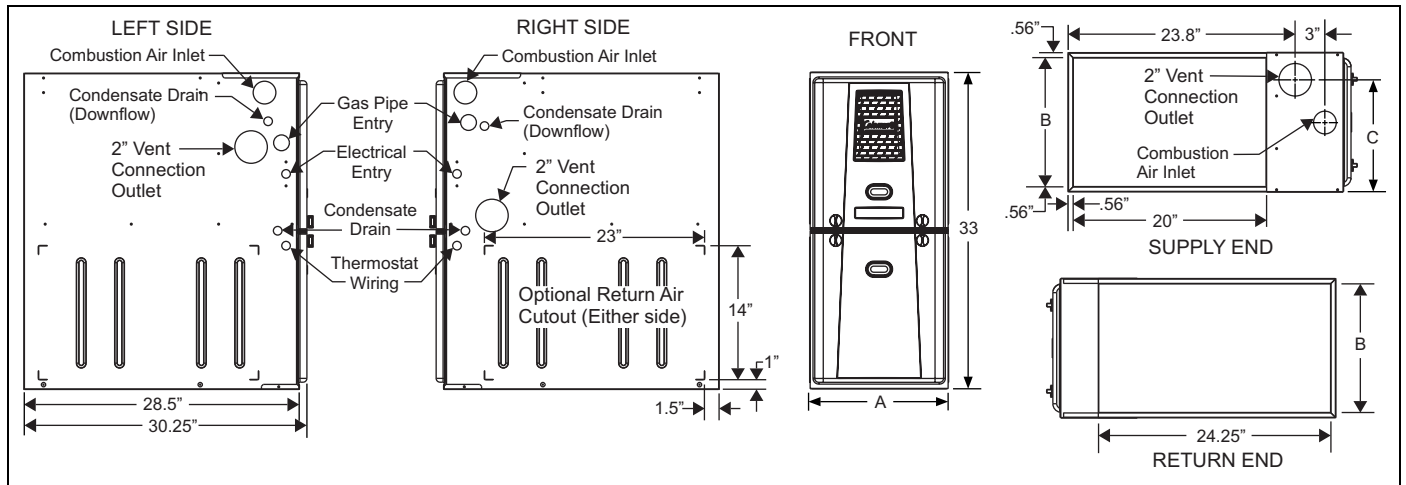
SUBMITTAL DATA SHEET



**UP TO 98% MODULATING GAS-FIRED RESIDENTIAL
MULTI-POSITION GAS FURNACES (ECM MOTOR)
MODELS: CP9C*C**

| | | | | |
|-------------------|------|--------------|-----------|---------------|
| JOB NAME: | | LOCATION: | | |
| PURCHASER: | | ORDER NO: | | |
| ENGINEER: | | | | |
| SUBMITTED TO: | FOR: | REF: | APPROVAL: | CONSTRUCTION: |
| SUBMITTED BY: | | DATE: | | |
| UNIT DESIGNATION: | | SCHEDULE NO. | | MODEL NO. |

DIMENSIONS - INCHES



| BTUH (kW) Input | Nominal CFM | Cabinet Size | Cabinet Dimensions (Inches) | | | Approximate Operating Wgt. Lbs (kg) |
|--------------------|----------------|-----------------|--------------------------------|--------|--------|---|
| | | | A | B | C | |
| CP9C060B12MP12C | 1200 | B | 17 1/2 | 16 3/8 | 13 1/4 | 113 (51) |
| CP9C080B12MP12C | 1200 | B | 17 1/2 | 16 3/8 | 16 1/4 | 119 (54) |
| CP9C080C16MP12C | 1600 | C | 21 | 19 7/8 | 19 3/4 | 134 (61) |
| CP9C100C16MP12C | 1600 | C | 21 | 19 7/8 | 19 3/4 | 140 (64) |
| CP9C100C20MP12C | 2000 | C | 21 | 19 7/8 | 19 3/4 | 143 (65) |
| CP9C120D20MP12C | 2000 | D | 24 1/2 | 23 3/8 | 22 3/4 | 152 (69) |

Due to continuous product improvements, specifications are subject to change without notice. Installation and conversions of these furnaces must be made by qualified distributor, dealer, or contractor personnel.

PRODUCT DATA

Heating Performance

Input Capacity _____ MBH
 Output Capacity _____ MBH
 Air Temp. Rise _____ °F

Supply Air Blower Performance

Total Supply Air _____ CFM
 Total External Static Pressure _____ IWG
 Blower Cool Jumper ____ L ML MH H
 Blower Delay Tap _____ A, B, C
 Motor Rating _____ HP

Electrical Data

Power Supply _____ / _____ / _____
 Total Unit Ampacity _____ AMPS
 Minimum Wire Size _____ AWG
 Maximum Overcurrent Device
 Fuses Circuit Breaker _____ AMPS

Unit Weight

Total Unit Weight _____ LBS



FEATURES

- Modulating heating operation includes:
 - Modulating gas valve, inducer and circulating blower
 - Modulating operation from 100% to 35% input in 100 increments with nearly constant temperature rise.
- Easily applied in upflow, horizontal left or right, or downflow installation with minimal conversion necessary.
- Compact, easy to install, ideal height 33" tall cabinet.
- ECM variable speed drive for cooling SEER enhancement, improved comfort with optional airflow delay profiles, and continuous fan options for IAQ performance.
- Easy access to controls to connect power/control wiring.
- Built-in, high level self diagnostics with fault code display.
- Low unit amp requirement for easy replacement application.
- All models are convertible to use propane (LP) gas.
- Electronic Hot Surface Ignition saves fuel cost with increased dependability and reliability.
- 100% shut off main gas valve for extra safety.
- 24V, 40 VA control transformer and blower relay supplied for add-on cooling.
- Airflow leakage less than 1% of nominal airflow for ductblaster conditions.
- Solid removable bottom panel allows easy conversion.
- Hi-tech tubular aluminized steel primary heat exchanger with stainless steel tube/aluminum fin secondary heat exchanger for outstanding efficiency.
- No knockouts to deal with, making installation easier.
- Movable duct connector flanges for application flexibility.
- Quiet inducer operation, burner, and blower operation.
- Inducer rotates for easy conversion of venting options.
- Fully supported blower assembly for easy access and removal of blower.
- External air filters used for maximum flexibility in meeting customers IAQ needs.
- Insulated blower compartment for thermal and acoustic performance.
- 1/4 turn knobs provided for easy independent door removal.
- Internal condensate trap design (patent pending) provides condensate management options, easy visual operation check, and is self priming to prevent nuisance problems.
- These models may be connected as part of a communicating control system using a 4-wire connection bus.

FIELD INSTALLED ACCESSORIES

Propane (LP) Conversion Kit -

1NP0681 - All Models

This accessory conversion kit may be used to convert natural gas (N) units for propane (LP) operation.

Do not use Conversion Kit S1-1NP0680 with these models, as the control/gas valve combination have been updated, and that kit S1-1NP0680 will not function correctly with these models.

Concentric Vent Termination -

S1-1CT0302 (2")

S1-1CT0303 (3")

For use through rooftop, sidewall. Allows combustion air to enter and exhaust to exit through single common hole. Eliminates unsightly elbows for a cleaner installation.

Sidewall Vent Termination Kit -

S1-1HT0901 (3")

S1-1HT0902 (2")

For use on sidewall, two-pipe installations only. Provide a more attractive termination for locations where the terminal is visible on the side of the home.

Condensate Neutralizer Kit -

1NK0301

Neutralizer cartridge has a 1/2" plastic tube fittings for installation in the drain line. Calcium carbonate refill media is also available from the Source 1 Parts (p/n 026-30228-000).

Side Return Filter Racks -

1SR0200 - All Models

1SR0402 - All Models

1SF0101 - All Models

Bottom Return Filter Racks -

1BR0517 or 1BR0617 - For 17-1/2" cabinets

1BR0521 or 1BR0621 - For 21" cabinets

1BR0524 or 1BR0624 - For 24-1/2" cabinets

1BR05xx series are galvanized steel filter racks. 1BR06xx are pre-painted steel filter racks to match the appearance of the furnace cabinet.

Combustible Floor Base Kit -

For installation of these furnaces in downflow applications directly onto combustible flooring material, These kits are required to prevent potential overheating situations. These kits are also required in any applications where the furnace is installed in a downflow configuration without an evaporator coil, where the combustible floor base kit provides access for combustible airflow.

1CB0517 - For 17-1/2" cabinets

1CB0521 - For 21" cabinets

1CB0524 - For 24-1/2" cabinets

EAC Transition Kits -

For installation of EAC accessories with these furnaces to provide easy transition of return airflow through the EAC to get the proper sealing and reduced airflow leakage.

1TK1001 - For all models using side return

1TK1017 - For 17-1/2" cabinets using bottom return

1TK1021 - For 21" cabinets using bottom return

1TK1024 - For 24-1/2" cabinets using bottom return

High Altitude - No high altitude kits are required.