SUBMITTAL COVER SHEET

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:

EcoNet Enabled Modulating Upflow Gas Furnaces
(-)98V Series
98% A.F.U.E.†
Input Rates 60 to 115 kBTU [11.57 to 33.71 kW]

JOB NAME _____

CONTRACTOR _____

ENGINEER _____

SUBMITTED FOR ☐ APPROVAL ☐ RECORD

DATE _____

MODEL NO. _____

OUTDOOR UNIT MODEL NO. _____

LOCATION _____

ORDER 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

PRI Registrar
Achieving Excellence Together
ISO 9001:2015
Certified Company

AHRI CERTIFIED™
C
www.ahridirectory.org

CSA CERTIFIED

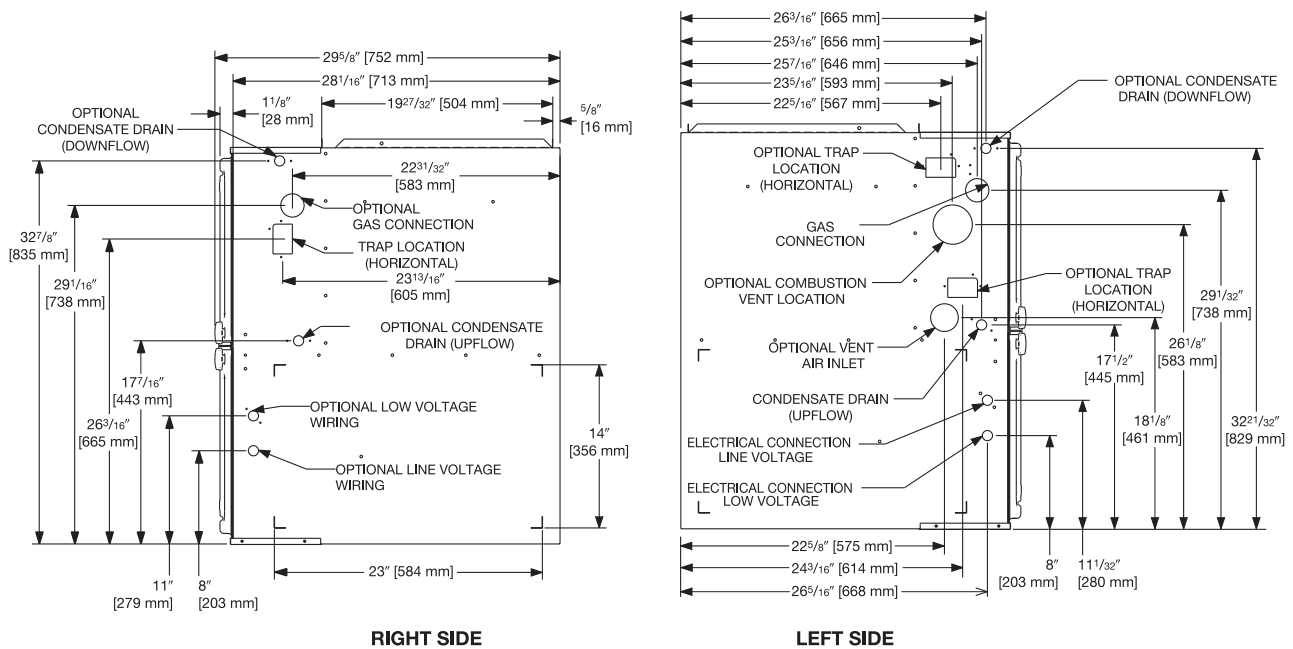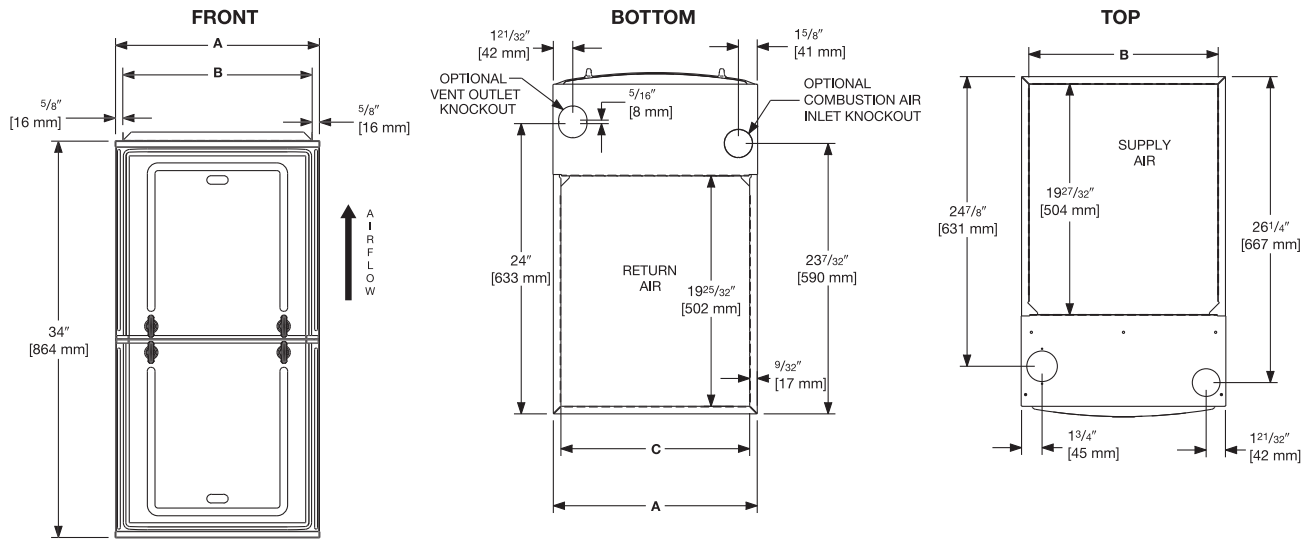CSA DESIGN CERTIFIED

FEATURES FOR (-)98V

- 98% residential gas furnace CSA certified
- Upflow
- Modulating operation to save energy and maintain optimal comfort level.
- Variable speed blower motor technology provides ultimate humidity control, quieter sound levels, and year round energy savings.
- The (-)98V is part of a new line of smart heating, cooling and water heating products. The latest in sensor technology and a powerful EcoNet® monitoring system, provides homeowners with a new level of protection, control and energy savings. Smart heating, cooling and water heating products will alert the homeowner if there is ever an issue via the EcoNet Smart Thermostat and the EcoNet Mobile app*. The EcoNet Mobile App makes it easy for homeowners to manage their home comfort environment at home or on-the-go*, while enjoying the convenience and savings benefits of a highly efficient system.
- PlusOne® Diagnostics 7-Segment LED all units
- PlusOne® Ignition System – DSI for reliability and longevity
- PlusOne® Water Management System with patented Blocked Drain Sensor
- PlusOne® Energy Efficiency – Industry's highest A.F.U.E. Gas Furnace family. The (-)98V features 98% A.F.U.E. across all model sizes
- Heat exchanger is removable for improved serviceability. Aluminized steel primary and stainless steel secondary construction provide maximum corrosion resistance and thermal fatigue reliability.
- Low profile "34 inch" cabinet ideal for space constrained installations.
- Blower Shelf design – serviceable in all furnace orientations
- Pre marked hoses – insures proper system drainage
- Vent with 2" or 3" PVC
- Replaceable collector box
- Hemmed edges on cabinet and doors
- Quarter turn door fasteners for tool less access
- Integrated control boards feature dip switches for easy system set up
- Self priming condensate trap
- Solid bottom included
- Modulating Function: when used with an EcoNet Control Center modulating thermostat, modulation rate between 40% and 100% of total capacity.
- Two-stage Function: when used with a two-stage thermostat, furnace operates at 40% on first stage, and stages up to 65%, then 100% for second stage.
- Multistage Function: when used with a single-stage thermostat, furnace functions as a three stage furnace operating at 40%, 65% and 100% of total capacity.

*WiFi broadband internet connection required. Download the EcoNet App from the App Store or Google Play to set up your EcoNet Smart Thermostat. Receipt of notifications depend on home WiFi set up. WiFi broadband internet connection required.

FIELD INSTALLED ACCESSORIES

Vent Termination Kits Concentric:
  Vertical/Horizontal = RXGY-E03A-E02A (US & Canadian
  Installations) ....☐
Combustion Air Drain Kit
  RXGY-D05, RXGY-D06 ....☐
  Neutralizer Kit: RXGY-A01 ....☐
External Bottom Filter Rack RXGF-CB...................................☐
External Side Filter Rack RXGF-CD ....☐
External Side (Upflow) Filter Rack RXGF-CD ....☐
High Altitude Kits RXGY-F53-F57...☐
EcoNet Control (-)ETST700SYS ....☐

FRONT

A
B
5/8″ [16 mm]
5/8″ [16 mm]
AIRFLOW
34″ [864 mm]

BOTTOM

1²¹/₃₂″ [42 mm]
1⁵/₈″ [41 mm]
OPTIONAL VENT OUTLET KNOCKOUT
5/16″ [8 mm]
OPTIONAL COMBUSTION AIR INLET KNOCKOUT
24″ [633 mm]
RETURN AIR
19²⁵/₃₂″ [502 mm]
23⁷/₃₂″ [590 mm]
9/32″ [17 mm]
C
A

TOP

B
SUPPLY AIR
24⁷/₈″ [631 mm]
19²⁷/₃₂″ [504 mm]
26¹/₄″ [667 mm]
1³/₄″ [45 mm]
1²¹/₃₂″ [42 mm]

RIGHT SIDE

29⁵/₈″ [752 mm]
28¹/₁₆″ [713 mm]
1¹/₈″ [28 mm]
19²⁷/₃₂″ [504 mm]
5/8″ [16 mm]
OPTIONAL CONDENSATE DRAIN (DOWNFLOW)
22³¹/₃₂″ [583 mm]
OPTIONAL GAS CONNECTION
TRAP LOCATION (HORIZONTAL)
23¹³/₁₆″ [605 mm]
32⁷/₈″ [835 mm]
29¹/₁₆″ [738 mm]
OPTIONAL CONDENSATE DRAIN (UPFLOW)
17⁷/₁₆″ [443 mm]
OPTIONAL LOW VOLTAGE WIRING
26³/₁₆″ [665 mm]
OPTIONAL LINE VOLTAGE WIRING
14″ [356 mm]
11″ [279 mm]
8″ [203 mm]
23″ [584 mm]

LEFT SIDE

26³/₁₆″ [665 mm]
25³/₁₆″ [656 mm]
25⁷/₁₆″ [646 mm]
23⁵/₁₆″ [593 mm]
22⁵/₁₆″ [567 mm]
OPTIONAL CONDENSATE DRAIN (DOWNFLOW)
OPTIONAL TRAP LOCATION (HORIZONTAL)
GAS CONNECTION
OPTIONAL COMBUSTION VENT LOCATION
OPTIONAL TRAP LOCATION (HORIZONTAL)
OPTIONAL VENT AIR INLET
CONDENSATE DRAIN (UPFLOW)
ELECTRICAL CONNECTION LINE VOLTAGE
ELECTRICAL CONNECTION LOW VOLTAGE
29¹/₃₂″ [738 mm]
26¹/₈″ [583 mm]
32²¹/₃₂″ [829 mm]
17¹/₂″ [445 mm]
18¹/₈″ [461 mm]
22⁵/₈″ [575 mm]
24³/₁₆″ [614 mm]
26⁵/₁₆″ [668 mm]
8″ [203 mm]
11¹/₃₂″ [280 mm]

UNIT DIMENSIONS (CLEARANCE TO COMBUSTIBLES)

MODEL (-)98V	LEFT SIDE	MINIMUM CLEARANCE (IN.) [mm]					SHIP WGTS. (LBS.) [kg]	FLANGE DIMENSIONS		
		RIGHT SIDE	BACK	TOP	FRONT	VENT		A	B	C
060	0	0	0	1 [25]	2 [51]	0	128 [58]	17¹/₂ [445]	16¹⁷/₆₄ [413]	16¹³/₆₄ [412]
070	0	0	0	1 [25]	2 [51]	0	132 [60]	17¹/₂ [445]	16¹⁷/₆₄ [413]	16¹³/₆₄ [412]
085	0	0	0	1 [25]	2 [51]	0	147.5 [67]	21 [533]	19⁴⁹/₆₄ [502]	19⁴⁵/₆₄ [500]
100	0	0	0	1 [25]	2 [51]	0	152 [69]	21 [533]	19⁴⁹/₆₄ [502]	19⁴⁵/₆₄ [500]
115	0	0	0	1 [25]	2 [51]	0	165 [75]	24¹/₂ [622]	23¹⁷/₆₄ [591]	23¹³/₆₄ [589]

*A service clearance of at least 24″ is recommended in front of all furnaces
Supply and return depicted as upflow configuration.
Flange configuration will vary depending on installation orientation.

[ ] Designates Metric Conversions

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.