



### Comfort**Link**™

### 48HGD/E/F/K/L/M014-028 50HG014-028

### SINGLE-PACKAGE COOLING UNITS WITH FACTORY-INSTALLED GAS HEAT

### SINGLE-PACKAGE COOLING UNITS WITH OPTIONAL ELECTRIC HEAT

- PERFORMANCE DATA
- CERTIFIED DIMENSION PRINT
- ROOF CURB DIMENSION PRINT

Date:	Supersedes:	48/50HG014-028 SINGLE-PACKAGE COOLING UNIT WITH OPTIONAL ELECTRIC HEAT AND COOLING UNIT WITH GAS HEAT	48/50HG	Rev.: -3SB	
JOB NAME:		LOCATION:			
BUYER:		BUYER P.O. #	CARRIER #		
UNIT NUMBER:		MODEL NUMBER:			
PERFORM	MANCE DATA CERTIFIED BY:		DATE:		



360



ARI STANDARD

### DESCRIPTION

48HG units are one-piece ultra-high efficiency rooftop cooling units with gas heat. All units are prewired and pre-charged with R-22 at the factory. 50HG units are one-piece ultra-high efficiency cooling units with optional electric heat. Units are factory tested in both heating and cooling modes. The unit is rated in accordance with ARI Standard 360, tested in accordance with UL Standard 1995 and listed by UL and UL, Canada.

The 48HGD model is low heat, the 48HGE is medium heat, and the 48HGF model is high heat. The 48HGK model is low heat with stainless steel heat exchangers, the 48HGL is medium heat with stainless steel heat exchangers, and the 48HGM model is high heat with stainless steel heat exchangers. The 48/50HG is available in vertical airflow or side by side horizontal airflow models.

All HG units use the ComfortLink<sup>TM</sup> controller.

### STANDARD UNIT — FEATURES

Standard one-year product warranty.

Ten-year warranty on Alumagard  $^{TM}$  coated Turbo-tubular  $^{TM}$  gas heat exchanger. Five-year warranty on electric heaters.

Five-year warranty on all compressors.

EERs up to 11.6. IPLVs up to 13.7.

Size 016, 020, and 024 models utilize three electronically and mechanically independent refrigerant circuits, sizes 014 and 028 utilize two electronically and mechanically independent refrigerant circuits.

Refrigerant metering devices for each circuit are TXVs (thermostatic expansion valves) with removable power heads.

Compressor protection includes high and low pressure cutouts and over-temperature protection.

Crankcase heaters are standard on all models.

Freeze protection on all circuits with liquid line filter driers.

Internally sloped condensate pan.

Fit up to installed Carrier DP, DR, TJ, or HJ roof curbs.

Two-in. or optional 30% pleated, disposable-type fiberglass return-air filters.

Dedicated vertical or side by side horizontal airflow units.

Vertical airflow units are field convertible to side by side horizontal airflow with accessory kit.

ComfortLink Controller has the following features:

- Communications (via stand-alone thermostat or CCN)
- Scrolling Marquee Display
- · Time Schedule
- Reverse Rotation Protection for Compressors
- · Space Temperature Sensor capability
- · Service Diagnostics, alarms, and alarm history

- · Service Run Test capability
- · Unit run time and compressor cycles history
- CO<sub>2</sub> sensor capability for Demand Control Ventilation

Hinged Service Access Panels with double wall construction and tie backs.

Indoor fan deck slides out for added service convenience.

0° to 125 F ambient cooling operation.

Low outdoor sound levels of 8.2 bel (014-024) or 8.4 bel (028).

Single point electrical service entry. Through-the-basepan electrical connection available.

Condenser fan motors are internally protected with shaft down design.

Cabinet made of pre-painted, galvanized steel with baked enamel finish and insulated with neoprene-coated fiberglass.

Gear driven economizer, smoke detector, CO<sub>2</sub> sensor, power exhaust, convenience outlet, disconnect and more available as factory-installed options.

Alternate motor and alternate drives are available.

Electric heaters are available as a factory-installed option or as a field-installed accessory (50HG only).

### Gas Heating (48HG Only)

Induced draft combustion system used for reliability and safety.

Reliable IGC (integrated gas unit controller) provides system evaluation and troubleshooting via onboard LED indicator.

Direct Spark Ignition.

Alumagard Coated Turbo-tubular Heat Exchangers.

Two-stage capacity control

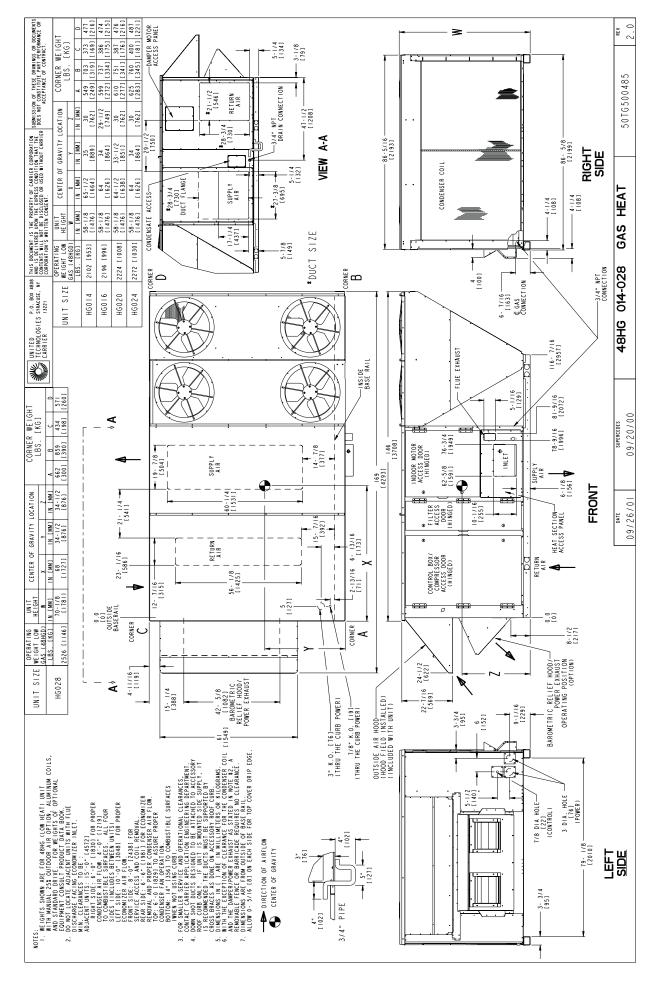
Single point gas connection

### PERFORMANCE DATA

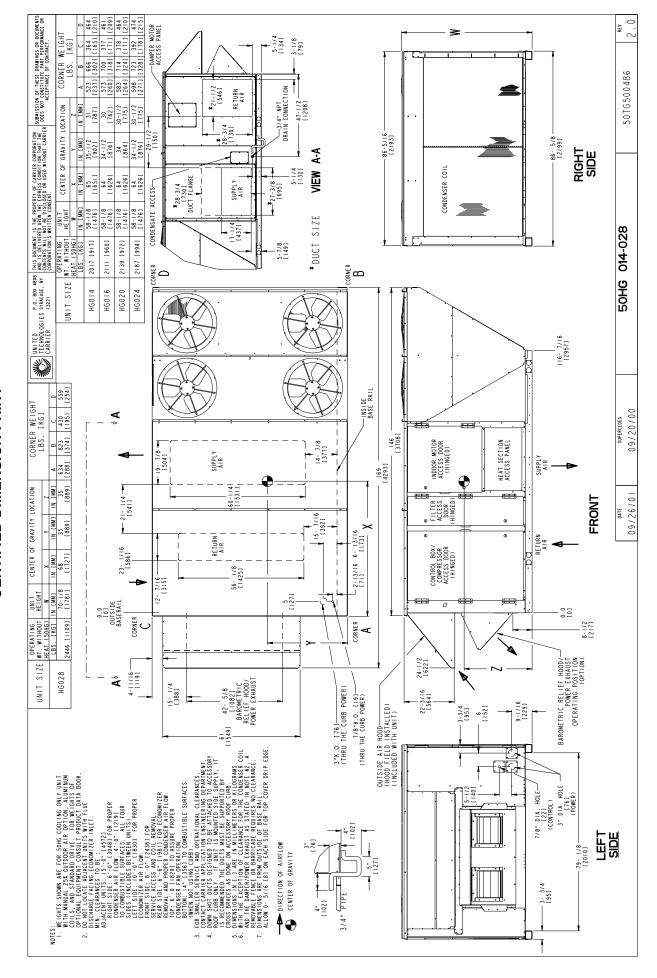
Unit Operating Weight	lb	Curb Weight	lb
COOLING		<b>HEATING</b>	
Gross Total Capacity Bt		Heating Capacity:	
@ Condenser Air Temperature	F	Stage 1	Btuh
Gross Sensible Capacity	Btuh	Stage 2	Btuh
Compressor Power Input	kW	Heating Capacity Total	Btuh
Indoor Entering db F wb	F	Stage 1	kW
Airflow External Static Pressure	in. wg	Stage 2	kW
Indoor Fan Motor Size	Нр	Heating Capacity Total	
Exhaust Fan Motor Size	Нр		

ELEC	TRICAL DATA	
Power Supply to Unit Vo	ltsHz	
Minimum Circuit Amps	Maximum Overcurrent Protection	
SUBM	AITTAL DATA	
Job Name		
Architect		
Engineer		
Contractor		
Unit Designation		
OPTIONS A	ND ACCESSODIES	
FACTORY-INSTALLED OPTIONS	AND ACCESSORIES FIELD-INSTALLED ACCESSORIES	
☐ Manual 25% Outdoor-Air Damper	☐ Solid-State Enthalpy Control	
☐ Fully Integrated Gear Driven Economizer	☐ Differential Enthalpy Control	
☐ Multi-Stage Power Exhaust	☐ Roof Curb (14 in.)	
☐ Barometric Relief	☐ Roof Curb (24 in.)	
☐ Low/Medium/High Gas Heat (48HG only)	☐ Fully Integrated Gear Driven Economizer	
☐ Low/Medium/High Electric Heat (50HG only)	☐ Multi-Stage Power Exhaust	
☐ Pre-Coated Condenser Coils	☐ Barometric Relief	
☐ E-Coated Condenser Coils	☐ Thermostat and Subbase	
☐ Copper Condenser Coil	☐ T-55 Space Temperature Sensor with Override	
☐ Copper Evaporator Coil	<ul> <li>□ T-55 Space Temperature Sensor and CO<sub>2</sub> Sensor with Overri</li> <li>□ T-56 Space Temperature Sensor with Override and Set Point</li> </ul>	
<ul><li>□ Copper Evaporator Coil with E-Coat</li><li>□ Non-Fused Disconnect</li></ul>	Adjust	
☐ GFI 115-V Convenience Outlet (Factory Powered) ☐ 30% Efficiency Filters	☐ T-56 Space Temperature Sensor and CO <sub>2</sub> Sensor with Overri and Set Point Adjust	
☐ Standard Motor with Optional Drive	□ T-58 CCN Communicating Space Temperature Sensor with Override and Set Point Adjust	
☐ Alternate Motor with Standard Drive	☐ Condenser Coil Hail Guard	
☐ Alternate Motor with Optional Drive	☐ Horizontal Airflow Kit	
□ CO <sub>2</sub> Sensor	☐ Return Air Smoke Detector	
☐ Return Air Smoke Detector	☐ Two-Position Damper	
☐ Plugged Filter Indicator ☐ Horizontal Airflow	☐ Electric Heat (50HG Only) ☐ CO <sub>2</sub> Sensor	
☐ Stainless Steel Gas Heat Exchanger	☐ Plugged Filter Indicator	
☐ 4-in. Filter Capability (shipped with 2-in. filter)	☐ Fan Status Indicator	
,	☐ Roof Curb Drip Edge	
OTHER:	SPECIAL ITEMS	

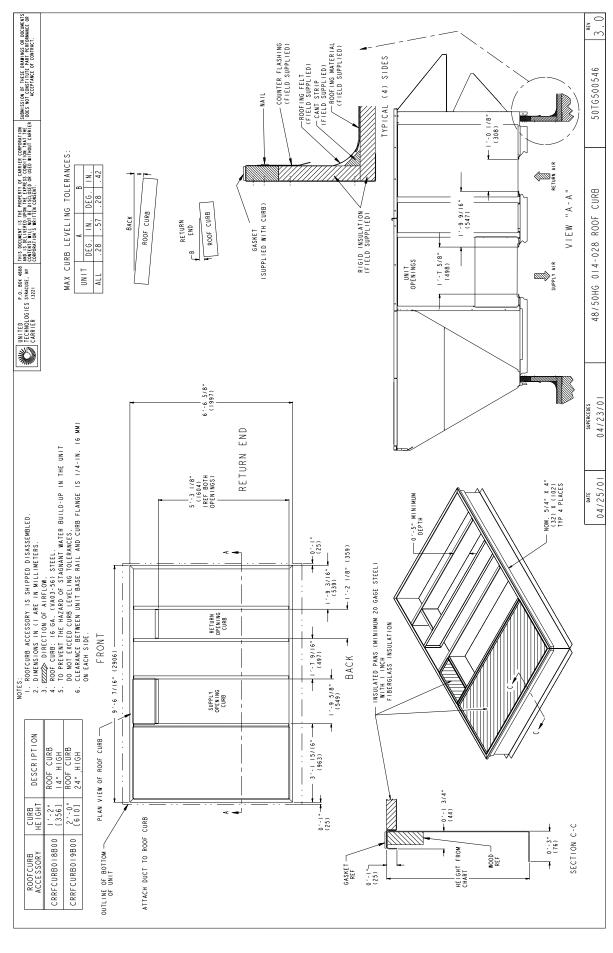
## **CERTIFIED DIMENSION PRINT**



### **CERTIFIED DIMENSION PRINT**



# FULL PERIMETER ROOF CURB DIMENSION PRINT



## RETROFIT ROOF CURB DIMENSION PRINT

