



**48HJD/E/F/L/M/N020-028
50HJ020-028**

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

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

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



Date:	Supersedes:	48/50HJ020-028 SINGLE-PACKAGE COOLING UNIT WITH GAS HEAT AND COOLING UNIT WITH OPTIONAL ELECTRIC HEAT		48/50HJ	Rev.: -3SB
JOB NAME:		LOCATION:			
BUYER:		BUYER P.O. #		CARRIER #	
UNIT NUMBER:		MODEL NUMBER:			
PERFORMANCE DATA CERTIFIED BY:					DATE:



ARI STANDARD 360





SIZES 020,024



DESCRIPTION

All units are pre-wired and pre-charged with R-22 refrigerant at the factory. 48HJ units are one-piece high-efficiency rooftop cooling units with gas heat. 50HJ units are one-piece 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 48HJD model is low heat, the 48HJE is medium heat, and the 48HJF model is high heat. The 48HJL model is low heat with stainless steel heat exchangers, the 48HJM is medium heat with stainless steel heat exchangers, and the 48HJN model is high heat with stainless steel heat exchangers. The 48/50HJ is available in vertical airflow or horizontal airflow models.

STANDARD UNIT — FEATURES

EERs up to 10.8 and IPLVs up to 12.0

Sound levels as low as 82 dB (020,024) or 85 dB (028)

Scroll compressors internally protected with crankcase heaters and economizer heat exchanger

Independent two-stage cooling capacity control

Thermal expansion valve refrigerant control with removable power element

Hinged access doors with quarter-turn latches, and tiebacks

Slide-out blower/motor assembly

Internally sloped condensate pan with clean out access door

Slide-out filter tracks with standard 2-in. filters

Electrical power thru-the-bottom or thru-the-curb connections

Major access doors have double wall construction

Cleanable foil-faced insulation throughout the entire unit airstream

Convertible duct connections from vertical to horizontal airflow

Totally enclosed, thermally protected, shaft down condenser motors

Solid core liquid line filter drier

Isolated and insulated compressor compartment

Belt drive fan and motor assembly

Copper tube aluminum fin coils

Wiring is colored and labeled throughout the unit

Heavy gage full perimeter base rails with built-in rigging capabilities

Cooling operation up to 125 F ambient

Cleanable evaporator and condenser coils

Refrigerant access valves that allow system readings without creating air bypass

Compressor protection includes high, low pressure cutouts and over temperature protection

24-volt control system with resettable circuit breaker

One-year product warranty

Five-year warranty on all compressors

STANDARD UNIT — FEATURES (48HJ)

Up to 82% efficiency

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

Ten-year warranty on Alumagard coated Turbo-tubular gas heat exchanger

STANDARD UNIT — FEATURES (50HJ)

Five-year warranty on electric heaters

Electric heaters available as factory-installed option or field-installed accessory

Heavy-duty nickel chromium element with high limit reset

PERFORMANCE DATA

Unit Operating Weight _____ lb

Curb Weight _____ lb

COOLING

Gross Total Capacity _____ Btuh

at Condenser Air Temperature _____ F

Gross Sensible Capacity _____ Btuh

Compressor Power Input _____ kW

Indoor Entering db _____ F wb _____ F

Airflow _____ External Static Pressure _____ in. wg

Indoor Fan Motor Size _____ Hp

Exhaust Fan Motor Size _____ Hp

HEATING

Heating Capacity:

Stage 1 _____ Btuh

Stage 2 _____ Btuh

Heating Capacity Total _____ Btuh

Stage 1 _____ kW

Stage 2 _____ kW

ELECTRICAL DATA

Power Supply to Unit _____ Volts _____ Phase _____ Hz

Minimum Circuit Amps _____ Maximum Overcurrent Protection _____

SUBMITTAL DATA

Job Name _____

Architect _____

Engineer _____

Contractor _____

Unit Designation _____

OPTIONS AND ACCESSORIES

FACTORY-INSTALLED AND CERTIFIED OPTIONS

- ☐ Electro-Mechanical Controls
- ☐ EconoMi\$er IV with Single Dry Bulb Sensor
- ☐ EconoMi\$er IV with Single Enthalpy Sensor
- ☐ Powered 115-volt Convenience Outlet
- ☐ Non-Powered 115-volt Convenience Outlet
- ☐ Non-Fused Disconnect Switch
- ☐ Manual Outdoor-Air Damper
- ☐ Two-Position Motorized Outdoor Air Damper
- ☐ Barometric Relief Damper
- ☐ Power Exhaust
- ☐ Horizontal Duct Configuration
- ☐ Condenser Coil Hail Guards
- ☐ CO₂ Sensor
- ☐ Return Air and Supply Air Smoke Detectors
- ☐ High-Static Performance Motor/Drives
- ☐ Phase Loss Protection
- ☐ Pre-Coated Aluminum Fin/Copper Tube Coils
- ☐ Copper Fin/Copper Tube Coils
- ☐ E-Coated Aluminum Fin/Copper Tube Coils
- ☐ E-Coated Copper Fin/Copper Tube Coils
- ☐ Stainless Steel Gas Heat Exchanger (48HJ Only)
- ☐ Low/Medium/High Electric Heaters (50HJ Only)
- ☐ Low/Medium/High Gas Heat Sizes (48HJ Only)
- ☐ Hinged Service Access Panels with Double-Wall Construction and Tie Backs

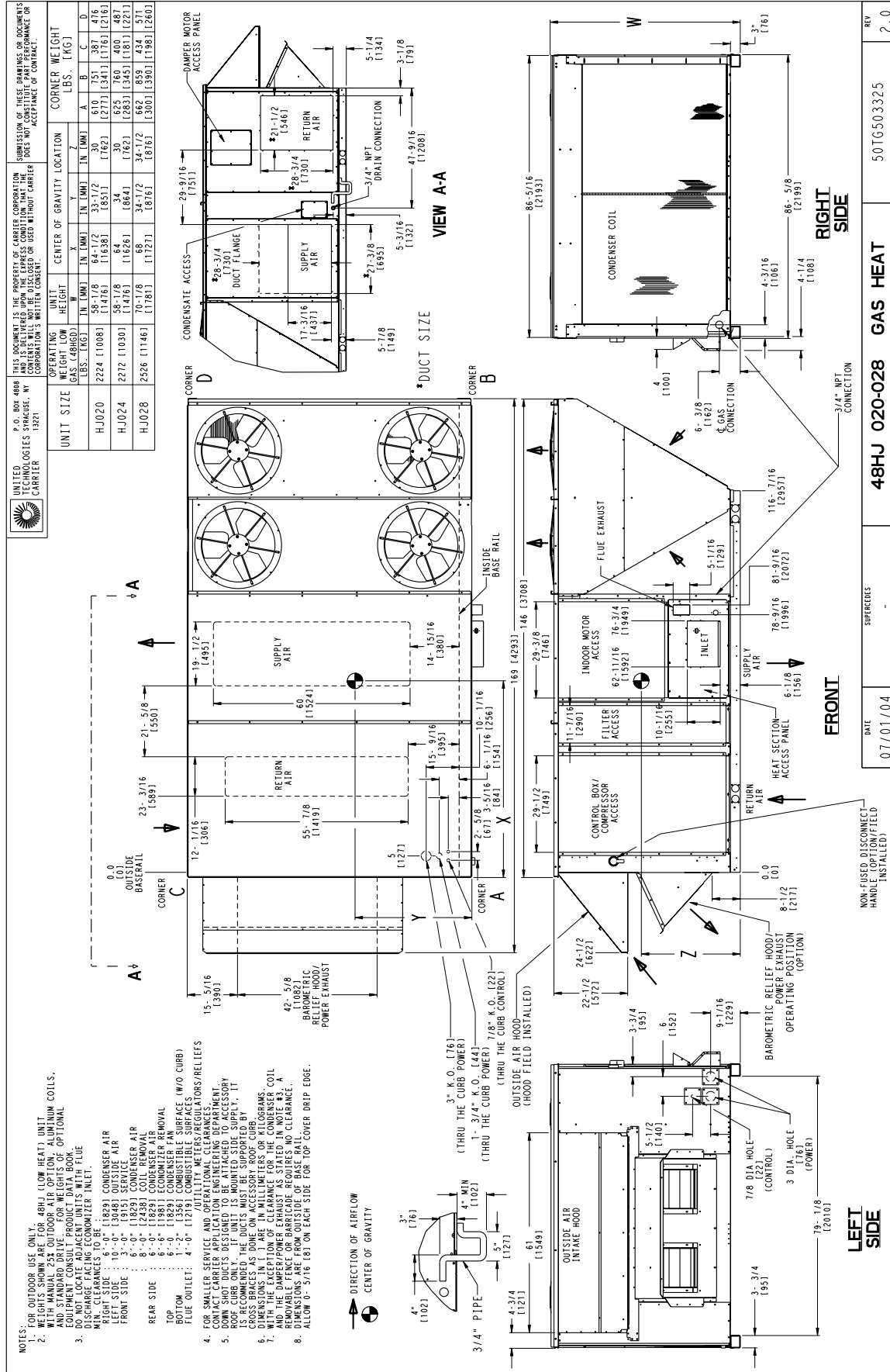
FIELD-INSTALLED, PRE-ENGINEERED, CERTIFIED ACCESSORIES

- ☐ EconoMi\$er IV with Single Dry Bulb Sensor
- ☐ Solid-State Enthalpy Control
- ☐ Differential Enthalpy Control
- ☐ Manual Outdoor-Air Damper
- ☐ Two-Position Motorized Outdoor Air Damper
- ☐ Barometric Relief Damper
- ☐ Power Exhaust
- ☐ Condenser Coil Hail Guards
- ☐ Condensate Overflow Switch
- ☐ CO₂ Sensor
- ☐ Return Air and Supply Air Smoke Detectors
- ☐ Phase Loss Protection
- ☐ Low/Medium/High Electric Heaters (50HJ Only)
- ☐ Single Point Electric Heater Kits (50HJ Only)
- ☐ Roof Curb (14 in.)
- ☐ Roof Curb (24 in.)
- ☐ Adapter Curbs
- ☐ Liquid Propane (LP) Gas Conversion Kit (48HJ Only)
- ☐ High Altitude Gas Kit (48HJ Only)
- ☐ Flue Gas Discharge Deflector (48HJ Only)
- ☐ Thermostat and Subbase

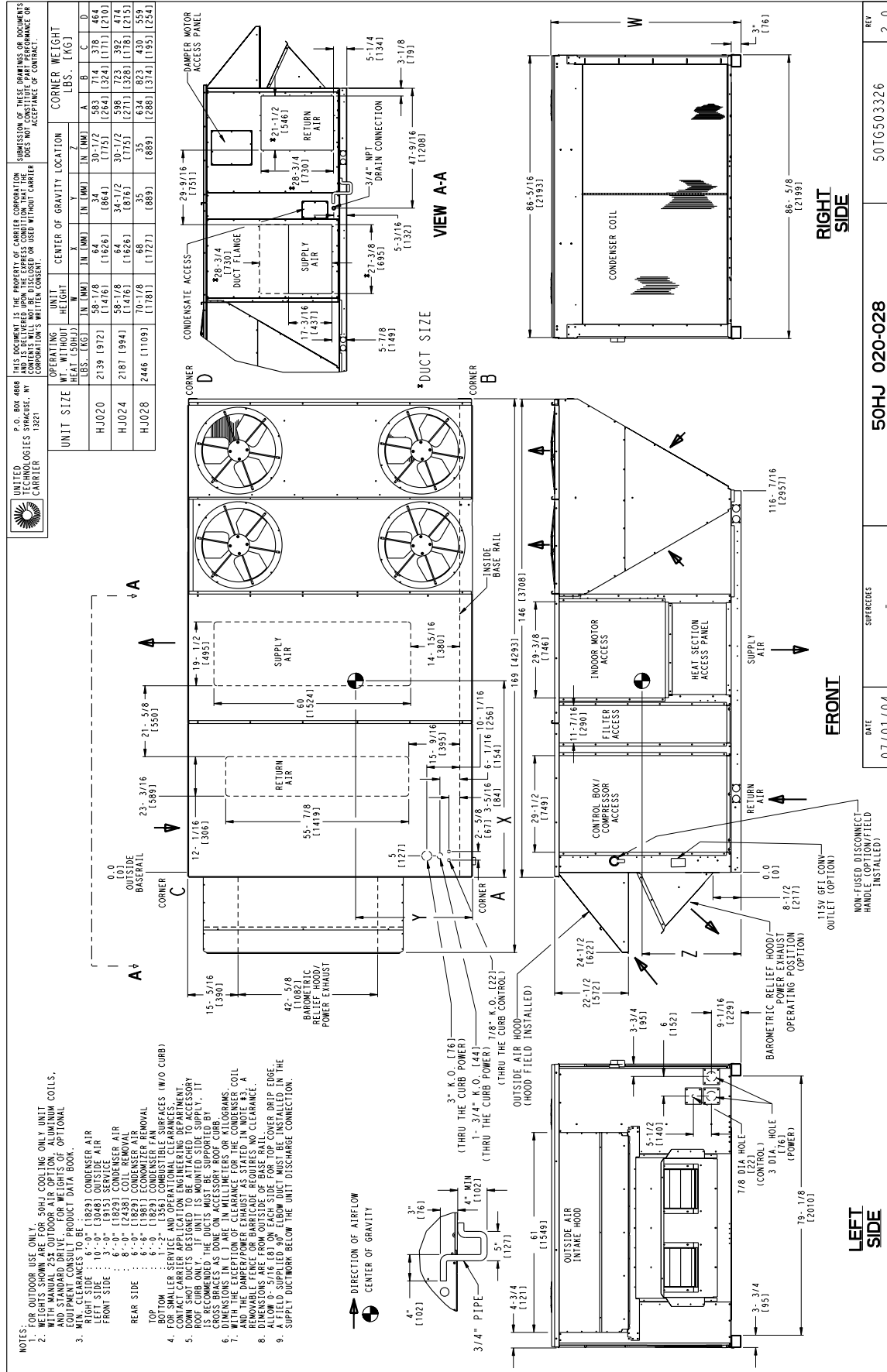
OTHER SPECIAL ITEMS

CUT ALONG DOTTED LINE

CERTIFIED DIMENSION PRINT

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CERTIFIED DIMENSION PRINT



CUT ALONG DOTTED LINE

CUT ALONG DOTTED LINE

ROOF CURB DIMENSION PRINT

