



# FRIEDRICH

1 8 8 3

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 (-)A15AZ iC Air Conditioners

## Cooling Efficiencies up to: 15.2 SEER2/9.8 EER2

### Nominal Sizes: 2 to 5 Ton [7.0 to 16.3 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

##### COOLING PERFORMANCE

EFFICIENCY ..... SEER

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

SENSIBLE CAPACITY\* ..... MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING  
EVAPORATOR COIL ..... °F [°C] DB

..... °F [°C] WB

POWER INPUT REQUIREMENT ..... kW  
(\*uses blower motor heat)

##### HEATING PERFORMANCE

EFFICIENCY ..... HSPF

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

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING  
EVAPORATOR COIL ..... °F [°C] DB

##### 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

##### CLEARANCES

ACCESS SIDE                      24" [609.6 mm]

AIR INLETS                         12" [304.8 mm]

ABOVE UNIT                        60" [1524 mm]

#### FEATURES

- **Bluetooth®<sup>1</sup> Connectivity:** With the Contractor App, built-in technology makes advanced set-up, monitoring, troubleshooting and repairing the product easier than ever before
- **Variable Speed Twin Rotary Compressor & Inverter Drive:**
  - 3+ Stage Operation when installed with a 24V two-stage thermostat
  - Provides precise temperature control, advanced humidity control and greater efficiency
- **Swept Wing Fan Technology:** Features quieter operation and improved unit acoustics
- **7 mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **Pre-Painted Louvered Steel Cabinet:** Features durable construction to add protection from yard hazards, weather corrosion
- **Easily Accessible Control Box:** Leads to ease of installation and future serviceability

#### ACCESSORIES/OPTIONS

- Compressor Crankcase Heater .....
- Low Ambient Control .....
- Compressor Sound Cover .....
- Low Pressure Control .....
- High Pressure Control .....
- Liquid Line Solenoid (24 VAC, 50/60 Hz) .....
- Liquid Line Solenoid (120/240 VAC, 50/60 Hz) .....

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(-)A15AZ

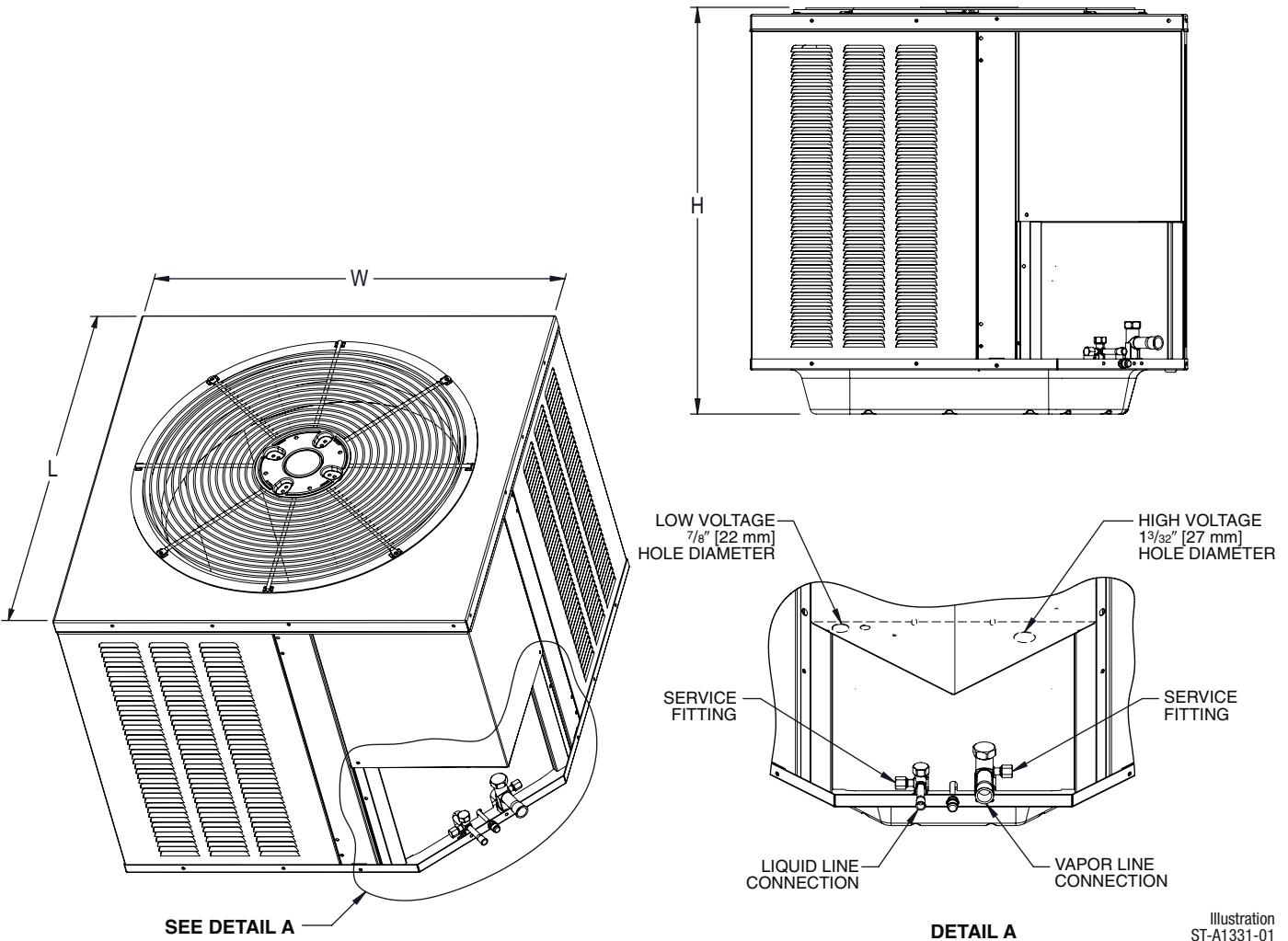


Illustration  
ST-A1331-01  
Rev. 10-20-2022

## Unit Dimensions

MODEL NO.	OPERATING						SHIPPING					
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
(-)A15AZ24AJ3	27.17	690	29.54	750	29.54	750	29.06	738	32.63	829	32.63	829
(-)A15AZ36AJ3	27.17	690	33.66	855	33.66	855	29.06	738	36.63	930	36.63	930
(-)A15AZ48AJ3	31.17	792	33.66	855	33.66	855	33.06	840	36.63	930	36.63	930
(-)A15AZ60AJ3	31.17	792	35.54	903	35.54	903	33.06	840	38.63	981	38.63	981

[ ] 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.

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