



# 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 FRA14AY iM Air Conditioners

## Cooling Efficiencies up to: 15.2 SEER2 / 12 EER2

## Nominal Sizes: 1.5 to 5 Tons [5.28 to 17.6 kW]

## Cooling Capacities: 17.1 to 55.5 kBTU [5.0 to 16.3 kW]

## Refrigerant Type: R-454B

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

- **7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **Swept Wing Fan Technology<sup>1</sup>:** Features quieter operation and improved unit acoustics
- **PlusOne® Triple Service Access:** 15 in. wide, industry leading corner service access, two fastener, removable corner and individual louver panels — makes repairs easier and faster
- **PlusOne® Refrigerant Detection System<sup>TM2</sup>:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation — if excess refrigerant is detected

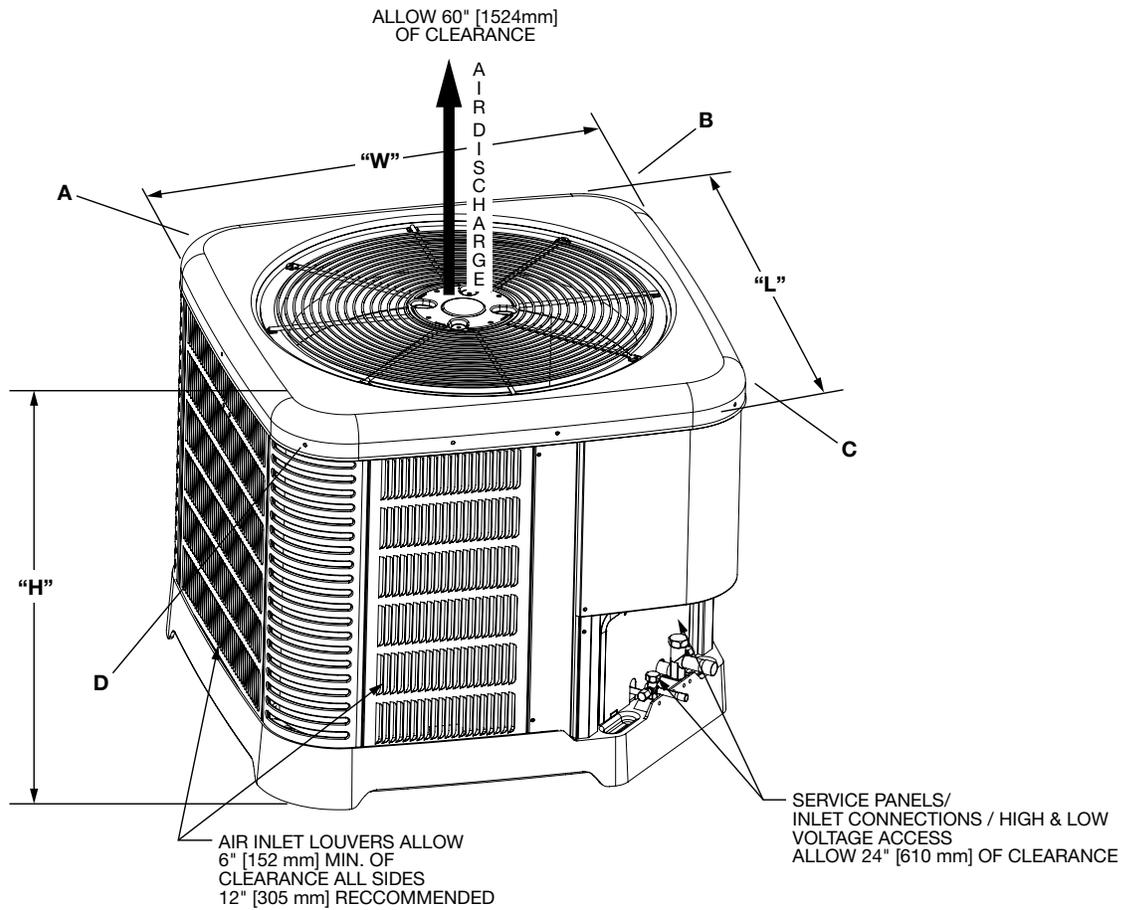
### ACCESSORIES/OPTIONS

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



<sup>1</sup>Does not apply to 1.5-ton and 2-ton models. <sup>2</sup>Factory or field-installed in the furnace coil or air handler and is applicable to the complete heating and cooling system featuring Low GWP Refrigerant (A2L).

**FRA14AY**



ST-A1348-01

**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
FRA14AY18	25.00	635	29.75	756	29.75	756	26.50	673	32.38	822	32.38	822
FRA14AY24	25.00	635	33.75	857	33.75	857	26.50	673	36.38	924	36.38	924
FRA14AY30	25.00	635	33.75	857	33.75	857	26.50	673	36.38	924	36.38	924
FRA14AY36	25.00	635	33.75	857	33.75	857	26.50	673	36.38	924	36.38	924
FRA14AY42	35.00	889	33.75	857	33.75	857	36.50	927	36.38	924	36.38	924
FRA14AY48	35.00	889	33.75	857	33.75	857	36.50	927	36.38	924	36.38	924
FRA14AY60	45.00	1143	35.75	908	35.75	908	46.50	1181	38.38	975	38.38	975

[ ] 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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In keeping with its policy of continuous progress and product improvement, manufacturer reserves the right to make changes without notice.

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