



FRIEDRICH

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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 FRP17AY Top-Discharge Universal Heat Pumps
Cooling Efficiencies up to: 17 SEER2 / 11.7 EER2
Heating Efficiencies up to: 9.5 HSPF2
Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]
Cooling & Heating Capacities 22.2 to 57.0 kBTU [6.5 to 16.7 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

- Flexible and Universal Install Compatibility:**
 - Works with nearly any R-454B HVAC System—including Friedrich® EcoNet® Enabled systems and non-communicating systems
 - Install with any indoor system component via a Friedrich algorithm (IMPORTANT: The indoor system component CFM must match the requirement of the outdoor system component)
 - Install as a Universal Replacement with minimal alterations (R-454B coil only—with TXV)
- Quiet Operation as low as 55dBA¹:** Offers sound dampening features such as a sound blanket, refrigerant tubing design, fan blade approach and innovative compressor and drive technologies—ensure that as efficiency goes up, sound levels stay low
- EcoNet Enabled²:** Automatic system configuration and optimization
- PlusOne® Diagnostics & Bluetooth^{®3, 4} Connectivity:** With the Friedrich Contractor & EcoNet Apps, built-in technology makes advanced set-up, monitoring, troubleshooting, and repairing the product easier than ever before
- PlusOne Variable Speed Twin Rotary Compressor and Inverter Drive:**
 - Features variable speed operation from 35% to 100% capacity with the EcoNet Smart Thermostat or with legacy and other thermostats when the utility 1 & 2 jumpers are installed and using the Friedrich algorithm⁵
 - Provides precise temperature control, advanced humidity control and greater efficiency
- Brushless DC Condenser Motors (BLDC):** Enhances reliability and allows for easier serviceability
- Swept Wing Fan Technology:** Features quieter operation and improved unit acoustics
- 7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- Traditional Refrigerant Piping:** Allows for use of existing refrigerant line sets for further ease of replacement installation flexibility
- 10-Year Conditional Parts Warranty (registration required):** Coverage when installed as a heat pump only or as part of a system—with no AHRI matched system requirement
- PlusOne Refrigerant Detection System™⁶:** 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 the any 24V thermostat application and system protection by automatically pausing outdoor unit operation—if excess refrigerant is detected



