

# *Copeland Scroll FFAP Condensing Unit*

## Product Overview



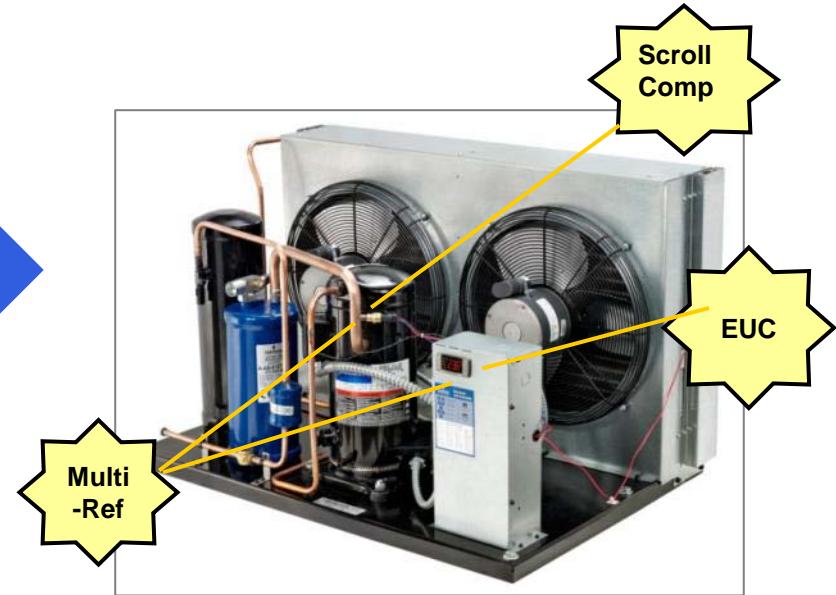
  
**EMERSON**<sup>™</sup>  
Climate Technologies

# Delivering The Next Generation Of Condensing Units

## Existing Hermetic Reciprocating Unit

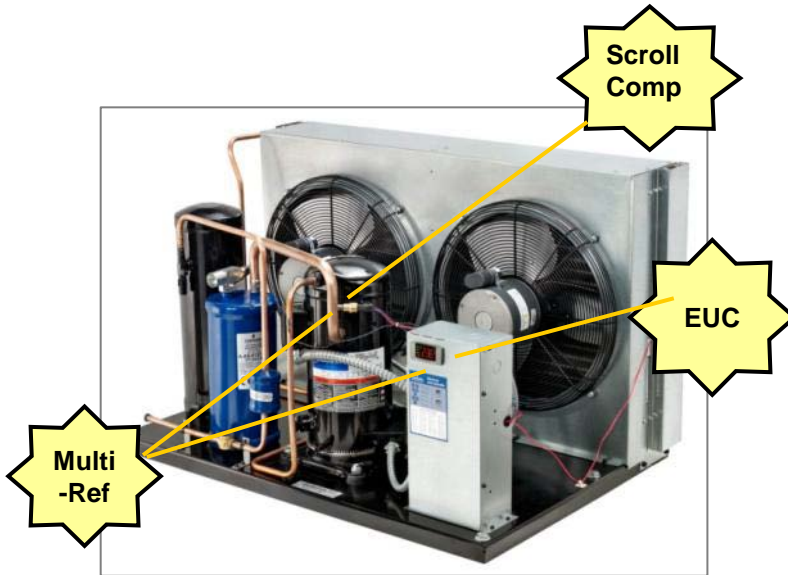


## New FFAP Unit

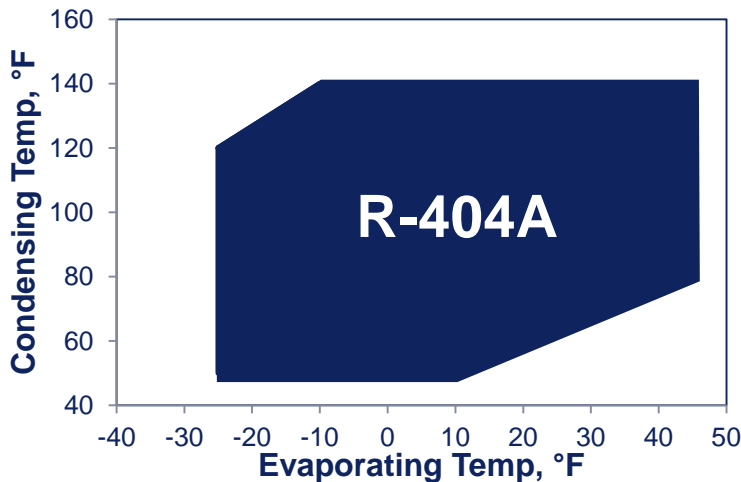


- ✓ Technology Electronics & Scroll
- ✓ Efficiency Improved Up To 15%
- ✓ Refrigerants R404A, R134a, R407C/A, R22
- ✓ Operating Env -30°F to 45°F

# Copeland Scroll FFAP Condensing Units

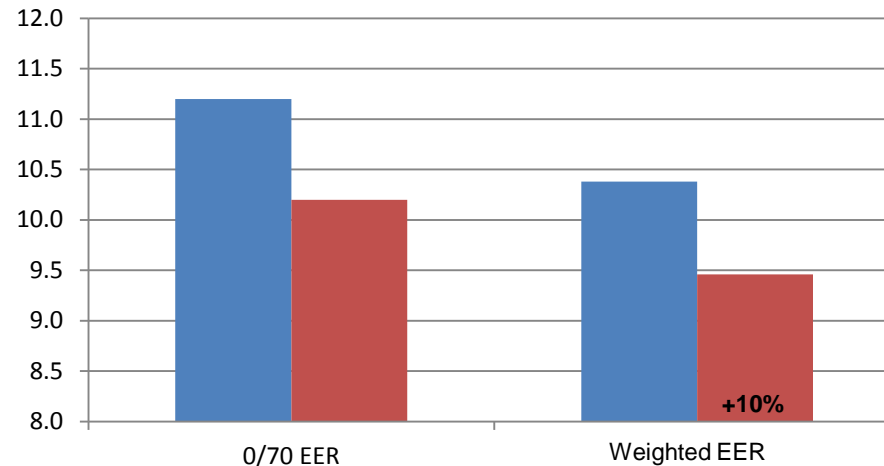
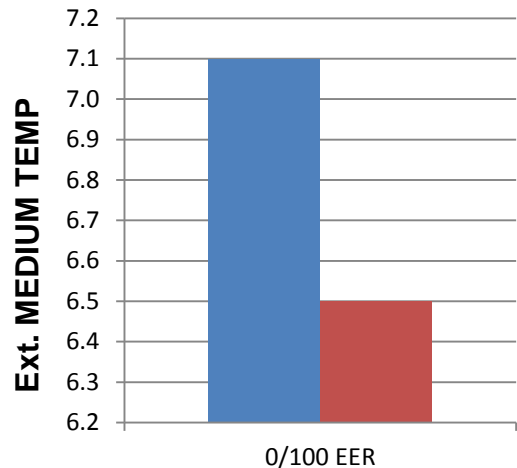
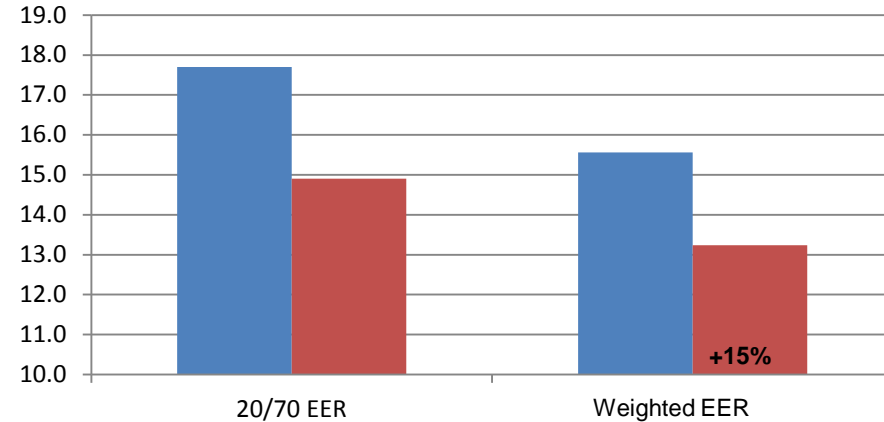
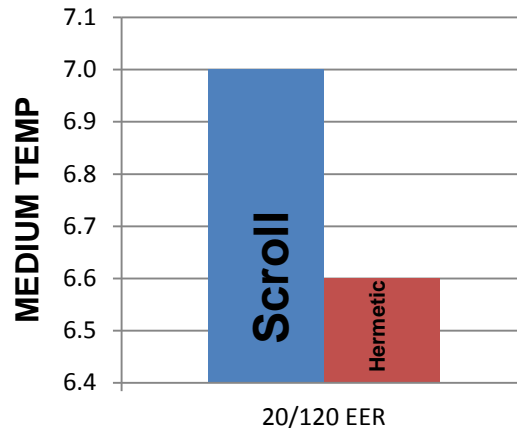


- **Scroll Efficiency**
  - 15% EER Improvement Over Reciprocating Technologies!
- **Wide Operating Envelope From -30°F To 45°F**
- **Scroll Reliability**
  - 70% Fewer Moving Parts Than Recip
  - Superior Liquid Handling
- **Smooth Scroll Movement → Low Sound & Vibration**
- **Qualified For R-404A, R507, R-134a, R-407A/C, & R-22**



# Copeland Scroll FFAP Condensing Unit Scroll Technology Improves Performance!

**Scroll Performance At Low Condensing Temperatures Yields Double Digit Efficiency Gains**



# ***FFAP Copeland Scroll Condensing Unit Comes Equipped With The Electronic Unit Controller***



## **Key Functions**

- Controls Unit Based On Suction Pressure
- Fan Cycling With Mid Coil Temperature\*
- Discharge Line Protection\*

\* Feature Dependent On System Design

## **Key Benefits**

- Quick & Easy Set-Up
- Improved Set-Point Accuracy
- Enables Multi-Refrigerant Product
- Trouble Shooting Diagnostics
- Added System Safeguards

# FFAP Copeland Scroll Condensing Unit Comes Equipped With The Electronic Unit Controller

Today



Multi-Refrigerant Capabilities	→	• Reduced SKUs	→	Less Inventory on the Shelf
Easy Digital Set Points	→	• 25 min. → 30 seconds • Improved, more stable and tighter set-point Tolerance	→	Quick, Accurate Setup & Service
Trouble Shooting Diagnostics	→	• Compr / Motor run time • Compr, DLT, HPC trips • Cond T, Suct P Display • DLT & Perf Alert Display	→	Faster Service & Reduced Callbacks
System Protection	→	• Low Pressure Control • DLT Protection • Smart FC & Time Delay • Bump Start	→	Fewer Service Calls & Extended System Life

Past



Mechanical Controls	→	• Low Pressure Control • DLT Protection • Fan Cycling	→	50 Year Old Technology
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**Step-Change In Technology Significantly Improves Service And Lifecycle Costs**

# Copeland Scroll FFAP Condensing Unit Information Resources



Video



## ONLINE PRODUCT INFORMATION

[| OPI HOME PAGE](#) | 
 [COMPRESSORS](#) | 
 [CONDENSING UNITS](#) | 
 [OTHER EMERSON CLIMATE BUSINESS UNITS](#) | 
 [CROSS REFERENCE](#) | 
 [SOFTWARE DOWNLOADS](#) | 
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### CONDENSING UNIT SEARCH RESULTS

Please Select Model

Prev 10 Pages | < | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | > | Next 10 Pages

#	MODEL	REFRIGERANT	FREQ-PHASE-VOLTAGE	NOMINAL HP
1	FFAP-015Z-CFV-060	134A	60-1-208/230	1 1/2
2	FFAP-015Z-CFV-060	22	60-1-208/230	1 1/2
3	FFAP-015Z-CFV-060	404A	60-1-208/230	1 1/2
4	FFAP-015Z-CFV-060	407C	60-1-208/230	1 1/2
5	FFAP-015Z-CFV-072	134A	60-1-208/230	1 1/2
6	FFAP-015Z-CFV-072	22	60-1-208/230	1 1/2
7	FFAP-015Z-CFV-072	404A	60-1-208/230	1 1/2
8	FFAP-015Z-CFV-072	407C	60-1-208/230	1 1/2
9	FFAP-015Z-CFV-075	134A	60-1-208/230	1 1/2
10	FFAP-015Z-CFV-075	22	60-1-208/230	1 1/2
11	FFAP-015Z-CFV-075	404A	60-1-208/230	1 1/2
12	FFAP-015Z-CFV-075	407C	60-1-208/230	1 1/2
13	FFAP-015Z-CFV-076	22	60-1-208/230	1 1/2
14	FFAP-015Z-CFV-076	404A	60-1-208/230	1 1/2
15	FFAP-015Z-CFV-077	22	60-1-208/230	1 1/2

OPI

Brochure



AE Bulletin AE4-1387

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