

# Make the switch.

## Copeland™ Outdoor Refrigeration Unit X-Line Series



For low- and medium-temp applications.  
Save in utility rebate dollars!

The Copeland outdoor refrigeration unit was designed based on three factors:

### Energy Efficiency

Scroll compressor technology, variable speed fan motors, large capacity condenser coils, and advanced control algorithms work together to significantly reduce energy consumption.

### Reliability

Equipment reliability is greatly enhanced by combining the proven reliability of Copeland scroll compressors with advanced technology. Each unit has on-board compressor diagnostics and protection that can alert and record alarms independently or communicate with building management systems.

### Flexibility

The ultra-quiet variable speed fan motor significantly reduces exterior sound levels and is combined with a lightweight weather-resistant cabinet, slim footprint, and optional wall mounting capability to deliver unmatched installation.



## Estimated Energy Savings Comparison Semi-Hermetic Reciprocating vs. Copeland™ Outdoor Refrigeration Unit

Low Temp	
Project Location – New York City, NY	
Refrigerant	R-404A
Design Ambient Air Temp	90°F
Evap. Temp	-10°F
Design Load	12,000 Btu/hr
Return Gas	65°F
Subcooling	5°F
Energy Cost	0.16 \$/kWh
Condensing Unit Run Time	55.4%
Min. Cond. Temp. of Compressor	70°F
Results	
Semi-Hermetic Reciprocating Condensing Unit	X-Line Condensing Unit
Model Number Copeland CJAL-0300-TAC with LAHA compressor	Model Number XFAL-030Z-TFC with low temp ZXI09KCE compressor
Total Annual Power 17,282 kWh	Total Annual Power 13,907 kWh
<b>Potential NY Utility Rebate Dollars – \$540*</b>	
<small>*Based on 0.16 \$/kWh</small>	

Med Temp	
Project Location – New York City, NY	
Refrigerant	R-404A
Design Ambient Air Temp	90°F
Evap. Temp	20°F
Design Load	18,000 Btu/hr
Return Gas	65°F
Subcooling	5°F
Energy Cost	0.16 \$/kWh
Condensing Unit Run Time	63.0%
Min. Cond. Temp. of Compressor	70°F
Results	
Semi-Hermetic Reciprocating Condensing Unit	X-Line Condensing Unit
Model Number Copeland D8AJ-0300-TAC with ERFA compressor	Model Number XFAM-030Z-TFC with med temp ZS21KAE compressor
Total Annual Power 17,932 kWh	Total Annual Power 12,539 kWh
<b>Potential NY Utility Rebate Dollars – \$863*</b>	
<small>*Based on 0.16 \$/kWh</small>	

For more information about energy rebates from installing a more energy efficient condensing unit, contact your local utility provider.

X-Line Models	
XFAM-008Z-CFV/TFC	XFAL-008Z-CFV/TFC
XFAM-010Z-CFV-TFC	XFAL-009Z-CFV/TFC
XFAM-012Z-CFV/TFC	XFAL-010Z-CFV/TFC
XFAM-015Z-CFV/TFC	XFAL-012Z-CFV/TFC
XFAM-017Z-CFV/TFC	XFAL-020Z-CFV/TFC
XFAM-022Z-CFV/TFC	XFAL-030Z-TFC
XFAM-030Z-CFV/TFC	XFAL-035Z-CFV
XFAM-045Z-CFV/TFC/TFD	XFAL-040Z-CFV/TFC
XFAM-050Z-CFV/TFC/TFD	XFAL-050Z-TFC
XFAM-060Z-TFC/TFD	XFAL-051Z-CFV
	XFAL-060Z-TFC



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