

Copeland Scroll™ Outdoor Refrigeration Unit



The Copeland Scroll Outdoor Refrigeration Unit (X-Line) offers the highest energy efficiency available, which lowers utility bills. It's ultra-quiet, creating a more comfortable outdoor environment. Additionally, you can depend upon the X-Line's superior reliability for long life and its built-in protective diagnostics can prevent unnecessary service calls and premature compressor failure.

Highest energy efficiency levels

- Provides unmatched energy savings
- Typically offers upgrade payback in less than one year

Diagnostic protection

- Helps avoid nuisance calls
- Extends the life of the unit
- Reduces potential service costs
- Provides confidence in what your technician is fixing

Reduced sound levels

- Includes built-in sound reduction for areas with noise ordinances
- Creates a more comfortable outdoor environment for patrons

Slim profile, lighter weight, and wall mount capability for flexible mounting options

- Often lowers installation costs
- Improves appearance of your enterprise site
- Avoids more costly solutions for location issues

For more information visit EmersonClimate.com/copelandoutdoorunit



Delivers Unmatched Energy Savings

The latest Copeland Scroll™ refrigeration compressors provide the highest annual energy efficiency levels, along with superior reliability. When combined with a variable speed fan motor, oversized condenser coil, high efficiency fan blade and proprietary electronic algorithms to optimize energy performance, the unit delivers the lowest annual electricity bills. When compared to standard industry units, operators can generally expect a payback of less than one year from energy savings alone by upgrading to the Copeland Scroll Outdoor Refrigeration Unit (X-Line).

Operates with multiple refrigerants

Compatible with R-404A as well as many of the new EPA-approved refrigerants, including: R-407 C/A, R-448A, R-449A, R-513A, R-450A; makes X-Line units suitable for both new equipment and service replacement applications. For any questions contact an Emerson sales representative or visit www.emersonclimate.com/OPI to check for specific model refrigerant approvals.

Provides Superior Reliability

Commercial refrigeration investments are significant, but maintenance and repair expenses over the life of the equipment can sometimes exceed the original product cost itself. The X-Line's standard built-in protective diagnostics have been shown to improve service technicians' speed and accuracy, reducing the overall lifecycle cost of ownership.

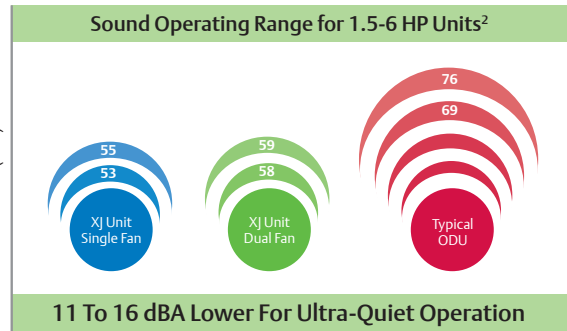


Diagnostic Features

- Over/under current
- High Pressure Resets
- Liquid Flood-back Prediction
- Smart Crank Case Heater
- Fault Code History
- Over/under voltage
- Incorrect Phase Rotation
- Low Pressure Cut-outs
- Fresh Start Logic
- Compressor Short Cycling
- Remote Alarming/Communication

Eliminates Undesirable Equipment Noise

For sound sensitive locations, standard equipment can require additional noise abatement measures, which add to system and installation costs. Sound reduction technology is built into the X-Line. With an electronically controlled variable speed fan motor and exclusive fan blade design, for each 3 dBA reduction, neighbors will hear roughly 50% less noise, making the X-Line the quietest standard unit solution on the market today.



2 Sound values shown represent the X-Line's lowest and highest operating dBA measurements, or typical industry outdoor unit published data, for both MT and LT products. Sound pressure values are 10 feet from the unit at 25°F evap for MT and -10°F evap for LT at 90°F ambient. A sound reduction of up to 3 dBA will occur in ambient temperatures below 70°F. This data is typical of "free field" conditions for horizontal air cooled condensing units and may vary depending on the condensing unit installation. There are many factors that affect the sound reading of a condensing unit such as unit mounting, reflecting walls, background noise and operating condition.

Surpasses Energy Regulations

All new X-Line models meet the Department of Energy's new requirements for Annual Walk-In Energy Factor (AWEF) ratings for walk in refrigerators and freezers.

| MT | | | | | LT | | | | |
|------------|-------------|-------------|--------|--------|---------------|--------------|-------------|--------|--------|
| Unit Model | Com-pressor | Refrigerant | BTU* | AWEF** | Unit Model | Com-pressor | Refrigerant | BTU* | AWEF** |
| XFAM-015Z | ZS09KAE | 22 | 12,400 | 10.11 | XFAL-020Z | ZXI06KCE | 404A | 13,140 | |
| | | 134a | 7,870 | 8.73 | | | 407A | 9,453 | |
| | | 404A | 12,500 | 10.23 | | | 407C | 9,407 | |
| | | 407A | 11,800 | 10.15 | | | 404A | 17,170 | |
| | | 407C | 11,200 | 10.51 | | | 407A | 13,575 | |
| XFAM-017Z | ZS11KAE | 22 | 14,500 | 10.45 | XFAL-030Z-TFC | ZXI09KCE-TF5 | 407C | 12,265 | |
| | | 134a | 9,320 | 9.15 | | | 404A | 19,700 | |
| | | 404A | 14,900 | 10.62 | | | 407A | 16,685 | |
| | | 407A | 14,000 | 10.32 | | | 407C | 15,076 | |
| | | 407C | 13,300 | 10.79 | | | 404A | 24,740 | |
| XFAM-022Z | ZS15KAE | 22 | 19,100 | 10.51 | XFAL-040Z | ZXI14KCE | 407A | 21,664 | |
| | | 134a | 12,600 | 9.69 | | | 407C | 20,208 | |
| | | 404A | 20,000 | 10.75 | | | 404A | 27,570 | |
| | | 407A | 18,800 | 10.6 | | | 407A | 22,698 | |
| | | 407C | 17,900 | 11.06 | | | 407C | 21,233 | |
| XFAM-030Z | ZS21KAE | 22 | 27,900 | 11.22 | XFAL-051Z-CFV | ZXI16KCE-PFV | 404A | 27,570 | |
| | | 134a | 18,400 | 10.82 | | | 407A | 23,545 | |
| | | 404A | 28,800 | 10.75 | | | 407C | 23,939 | |
| | | 407A | 27,200 | 10.83 | | | 404A | 34,700 | |
| | | 407C | 26,500 | 11.64 | | | 407A | 29,902 | |
| XFAM-045Z | ZS33KAE | 22 | 36,600 | 10.9 | XFAL-060Z | ZXI18KCE | 407C | 26,023 | |
| | | 134a | 24,500 | 10.38 | | | | | |
| | | 404A | 40,000 | 10.7 | | | | | |
| | | 407A | 38,200 | 10.22 | | | | | |
| | | 407C | 36,400 | 11.17 | | | | | |
| XFAM-050Z | ZS38K4E | 22 | 40,100 | 9.18 | | | | | |
| | | 134a | 27,500 | 9.54 | | | | | |
| | | 404A | 45,800 | 9.22 | | | | | |
| | | 407A | 45,000 | 11.03 | | | | | |
| | | 407C | 43,100 | 9.47 | | | | | |
| XFAM-060Z | ZS45K4E | 22 | 47,500 | 9.39 | | | | | |
| | | 134a | 32,900 | 9.84 | | | | | |
| | | 404A | 54,000 | 9.36 | | | | | |
| | | 407A | 53,500 | 9.76 | | | | | |
| | | 407C | 52,500 | 9.67 | | | | | |

*LT capacity @ 90 F ambient -10 F evap
 ** LT AWEF Not Yet Defined By U.S. Department Of Energy (DOE)
 See EmersonClimate.com/OPI for additional refrigerant and performance data

*MT capacity @90°F ambient 25°F evap
 ** Minimum AWEF For MT Outdoor Condensing Units Is 7.6
 See EmersonClimate.com/OPI for additional refrigerant and performance data