

Copeland Scroll™ Outdoor Refrigeration Unit

For medium and low temp walk-in applications

The Copeland Scroll Outdoor Refrigeration Unit (X-Line) sets a new standard for energy efficiency, reliability, and installation flexibility. With new smaller capacities now available down to ¾ HP, and expanded refrigerant approvals, its industry leading on-board diagnostics and system protection are available for more applications commonly found in today's food service establishments.

The Copeland Scroll Outdoor Refrigeration Unit was designed based on three factors:

Energy Efficiency

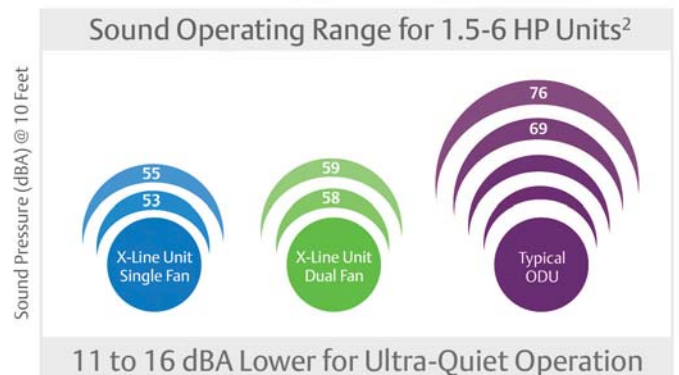
Scroll compressor technology, variable speed fan motors, large capacity condenser coils, and advanced control algorithms, work together to significantly reduce energy consumption

Reliability

Equipment reliability is greatly enhanced by combining the proven reliability of Copeland Scroll compressors with advanced CoreSense™ technology. Each unit has built-in CoreSense 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 flexibility.



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.

Capacity and Efficiency

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.

Medium Temp Capacity @ 95°F Ambient / 25°F Evap													
Unit	Compressor	R-134a		R-22		R-404A/R-507A		R-407A		R-407C		R-448A/R-449A	
		Capacity	AWEF	Capacity	AWEF	Capacity	AWEF	Capacity	AWEF	Capacity	AWEF	Capacity	AWEF
XFAM-008Z	ZB06KAE	See		N/A	N/A	7,965	8.76	7,225	8.22	6,775	8.08	7,390	8.45
XFAM-010Z	ZB07KAE	Emerson.com/OPI for updated information		N/A	N/A	9,620	9.22	8,785	8.76	8,085	8.63	8,785	8.75
XFAM-012Z	ZB08KAE	Emerson.com/OPI for updated information		N/A	N/A	10,950	9.77	10,200	8.94	9,370	9.20	10,260	9.01
XFAM-015Z	ZS09KAE	7,810	9.57	12,100	8.87	12,400	9.79	11,400	9.82	10,900	9.70	10,700	9.17
XFAM-017Z	ZS11KAE	9,270	9.97	14,100	9.29	14,600	10.22	13,500	9.98	12,900	10.01	12,900	9.62
XFAM-022Z	ZS15KAE	12,600	10.08	26,800	9.87	20,300	10.39	18,200	10.27	25,200	10.22	17,300	9.79
XFAM-030Z	ZS21KAE	18,700	10.81	27,600	10.93	28,200	10.41	26,300	10.50	25,800	10.96	26,500	10.40
XFAM-045Z	ZS33KAE	25,600	10.51	37,900	10.46	39,100	10.37	36,800	9.93	35,400	10.57	36,800	10.38
XFAM-050Z	ZS38KAE	29,900	9.22	47,100	9.59	44,800	9.17	42,600	9.25	42,600	9.26	44,600	9.31
XFAM-060Z	ZS45K4E	35,000	9.45	51,500	9.90	53,000	9.36	51,500	9.43	51,000	9.42	52,500	9.48

This refrigeration system is designed and certified for use in walk-in cooler applications. See Emerson.com/OPI for complete specifications.

Low Temp Capacity @ 95°F Ambient / -10°F Evap									
Unit	Compressor	R-404A/507A		R-407A		R-407C		R-448A/R-449A	
		Capacity	AWEF	Capacity	AWEF	Capacity	AWEF	Capacity	AWEF
XFAL-008Z	ZF03KAE	Coming Summer 2018. See Emerson.com/OPI for updated information.							
XFAL-009Z	ZF04KAE								
XFAL-010Z	ZF05KAE								
XFAL-012Z	ZF07KAE								
XFAP-015Z	ZS09KAE	5700		N/A	N/A	N/A	N/A	N/A	N/A
XFAP-017Z	ZS11KAE	6845		N/A	N/A	N/A	N/A	N/A	N/A
XFAP-022Z	ZS15KAE	9290		N/A	N/A	N/A	N/A	N/A	N/A
XFAL-020Z	ZXI06KCE	12910		9234		9111		11448	
XFAP-030Z	ZS21KAE	13700		N/A	N/A	N/A	N/A	N/A	N/A
XFAL-030Z-TFC	ZXI09KCE	16795		13455		11949		13931	
XFAL-035Z-CFV	ZXI11KCE	18900		16201		14555		17196	
XFAP-045Z	ZS33KAE	19000		N/A	N/A	N/A	N/A	N/A	N/A
XFAP-050Z	ZS38K4E	22800		N/A	N/A	N/A	N/A	N/A	N/A
XFAL-040Z	ZXI14KCE	24210		21078		19760		22872	
XFAL-050Z-TFC	ZXI15KCE	26615		22165		20530		25664	
XFAL-051Z-CFV	ZXI16KCE	26615		22982		23440		24438	
XFAP-060Z	ZS45K4E	27200		N/A	N/A	N/A	N/A	N/A	N/A
XFAL-060Z	ZXI18KCE	33720		29271		25377		27677	

Standard Features

- Pre-painted enclosures for corrosion protection
- Electronic defrost control with programmable defrost scheduling
- Brass service valves located externally for easy access
- Electronic low-pressure control for quick set-up and higher accuracy
- Receivers with pressure relief valve, liquid shut-off valve and charging port
- Easy to read moisture indicator
- Variable-speed PSC fan motors
- Advanced CoreSense Diagnostics
- Over-sized condenser coils with additional fin corrosion protection for coastal zones
- Light weight, slim-line profile for maneuverability and ease of installation
- All units are factory tested for braze joint leaks, wiring connections, electrical continuity and start-up performance
- Oil separator and accumulator standard on low temperature models
- Heated insulated receiver for low-ambient operation



Scan for more information or visit
Emerson.com/CopelandOutdoorUnit

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