

Copeland Scroll™ ZF*KA compressor

For low temperature refrigeration applications

Improved efficiency and reliability plus quieter operation

Emerson offers a new solution for operators looking to improve operations and reduce costs in refrigeration systems. The Copeland Scroll ZF*KA compressor represents the latest innovation in compliant scroll technology for refrigeration equipment from 0.75 – 1.25 HP (2.5k-7k BTU/hr at low temperature ARI). It is more efficient than standard reciprocating compressors with 70% less moving parts for increased reliability.

The ZF*KA models are intended for low to medium temperature refrigeration type duty and are ideally suited for applications such as walk-in freezers and reach-ins. These are wide-ranged, multi-refrigerant capable with lower sound and vibration recommended for supermarket, restaurant and convenience store operations.



Copeland Scroll™ technology is an all-around superior refrigeration solution:

- Smooth scroll movement leads to low sound and vibration
- Smooth start and stop of a scroll means longer compressor life
- 70% fewer moving parts than a reciprocating compressor means better reliability
- Axial & radial scroll compliance provides improved liquid handling capability
- Hermetic design reduces leak potential
- Proven to exceed AWEF efficiency targets for walk-in condensing units



Copeland Scroll ZF* KA delivers best performance for low temperature refrigeration applications.

A wide operating range makes the ZF* KA a flexible solution for many refrigeration needs:

- Covers evaporating temperatures from -40F to +10°F
- AWEF compliant with use of existing and new low GWP HFCs refrigerants
- Qualified for multiple refrigerants including: R-404A/R-507, R-407A/C/F, R-448A/R-449A & R-22
- Recommended for walk-in and reach-in freezers

ZF* KA Model summary

Model	Disp (CFH)	Cap. (BTU/hr)	EER	Length (in)	Width (in)	Height (in)	
ZF03KAE	120.9	2,496	3.09	9.7	9.7	15.25	
ZF04KAE	159.0	3,225	3.38	9.7	9.7	15.25	
ZF05KAE	186.9	3,847	3.25	9.7	9.7	15.25	
ZF06KA	2.079	5,800	3.60	9.7	9.7	16.00	Available Spring 2019
ZF07KAE	286.9	6,125	3.72	9.7	9.7	15.25	
ZF09KA	2.848	8.000	3.60	9.7	9.7	16.00	Available Fall 2019

Capacity with R-407A at -25/105/40 return gas 0 subcooling

For more information about Copeland Scroll ZF* KA compressors refer to Application Engineering bulletin AE4-1425 or visit Emerson.com