

Copeland Scroll™ ZB*KA compressor

For medium to high 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 ZB*KA compressor represents the latest innovation in compliant scroll technology for refrigeration equipment from 0.75 – 1.25 HP (6k-8k BTU/hr at medium temperature ARI). It is more efficient than standard reciprocating compressors with 70% less moving parts for increased reliability.

The ZB*KA models are intended for medium to high temperature refrigeration type duty and are ideally suited for applications such as walk-in, reach-in, coolers, soft serve and frozen beverage machines. 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 ZB*KA delivers best performance for medium to high temperature refrigeration applications.

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

- Covers evaporating temperatures from -10F to 45°F
- AWEF compliant with use of existing and new low GWP HFCs refrigerants
- Qualified for multiple refrigerants including: R-404A/R-507, R-134a, R-407A/C/F, and R-448A/R-449A
- Recommended for walk-in refrigerators, reach-in refrigerators, coolers, soft serve machines and frozen carbonated beverage machines

ZB*KA Model summary

Model	Disp (CFH)	Cap. (BTU/hr)	EER	Length (in)	Width (in)	Height (in)
ZB06KAE	103.5	5,831	6.23	9.685	9.685	14.94
ZB07KAE	124.0	6,982	6.30	9.685	9.685	14.94
ZB08KAE	144.7	8,209	6.54	9.685	9.685	14.94

Capacity with R-448A at 20/120/65 return gas 0 subcooling

For more information about Copeland Scroll ZB*KA compressors refer to Application Engineering bulletin AE4-1426 or visit Emerson.com