

Installing Confidence.

**CertifiedParts™**

**C O P E L A N D C R A N K C A S E H E A T E R S**

Protect Compressors from Refrigerant Migration



- Easy, drop-in installation
- Fully tested to meet all specifications
- Rugged construction for longer life
- Models for every application
- UL-recognized

**Copeland®**

## C O P E L A N D C R A N K C A S E H E A T E R S

Copeland offers distinct types of heaters, including:

- Bolt on (semi-hermetics)
- Immersion (semi-hermetics)
- Insertion (semi-hermetics/hermetics)
- Wrap-around (hermetics)

Copeland's complete line of crankcase heaters offers critical compressor protection. They keep the crankcase warm while the compressor is in an off cycle; an important step in minimizing refrigerant migration to the compressor. And, we've designed our crankcase heaters with limited wattage to help avoid overheating and carbonizing of the oil.



Wrap-around 918-0019-xx

Anytime a compressor is not operating, refrigerant vapor moves to the crankcase. And anytime the compressor becomes colder than the evaporator, that migration is accelerated. The result: liquid slugging at start-up that can ruin a compressor. While pump-down cycles help protect against refrigerant migration, often system operating requirements, cost or customer preference make the use of pump-downs impractical. The solution: a crankcase heater from Copeland.

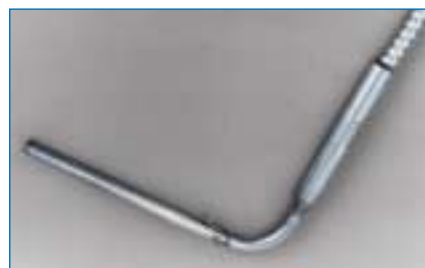
Also, oil in outdoor and rooftop units exposed to cold winter winds can become so viscous that the compressor cannot develop oil pressure. That's why Copeland recommends the use of crankcase heaters on all refrigeration systems in which the compressor is exposed to cold ambient temperatures - to keep the oil warm enough to remain fluid.

### **The Right Heater for Every Application**

Copeland crankcase heaters are available for every application. They've been specifically designed and tested for use with every Copeland compressor and to

meet every specification. And they've been built for long-lasting reliability in even the most severe conditions.

For your convenience, Copeland crankcase heaters offer easy, drop-in installation. And for your protection, they are UL recognized, so you know they are properly rated for each compressor.



Insertion 918-0028-xx

### **Copeland Certified Parts**

Like all Copeland Certified Parts, crankcase heaters have been subjected to thousands of hours of testing in our laboratories and in the field, assuring their reliability and performance under the most extreme environmental and operating conditions. For top quality and years of trouble-free service, don't settle for anything less than Copeland Certified Parts, available exclusively through authorized PrimeSource® wholesalers.

COPELAND SCROLL™

Copeland Kit #	Voltage	Watts	Type	Used On
918-0052-01	120	40	Wrap-around	ZB10K-ZB14K, ZR16K-ZR24K,
918-0052-00	240	40	Wrap-around	
918-0047-00	120	90	Wrap-around	ZB50K-ZB88K, ZP120K, ZRT168-ZRT288, ZR84K-ZR144K, ZPT240
918-0047-01	240	90	Wrap-around	
918-0047-02	480	90	Wrap-around	
918-0047-03	575	90	Wrap-around	
918-0043-07	120	70	Wrap-around	ZB15K-ZB45K, ZBD30-ZBD45, ZBH21-ZBH45, ZBP30-ZBP45, ZF06K-ZF18K, ZFH06-ZFH18, ZFP18, ZP16K-ZP57K, ZR26K-ZR81K, ZRP49-ZRP72, ZRT90-ZRT162, ZRU103-ZRU178, ZS15K-ZS45K, ZSH15K-ZSH45K
918-0043-00	240	70	Wrap-around	
918-0043-01	480	70	Wrap-around	
918-0043-02	575	70	Wrap-around	
918-0019-01	120	70	Wrap-around	ZB11M, ZB92K, ZF24K-ZF48K, ZS11M, ZS56K-ZS92K, ZR11M, ZR12M, ZR16M, ZR19M, ZR90K, ZZ18M-ZZ38M
918-0019-04	240	70	Wrap-around	
918-0019-08	480	70	Wrap-around	
918-0019-09	575	70	Wrap-around	
918-0056-04	240	120	Wrap Around	ZR250
918-0056-05	480	120	Wrap Around	
918-0056-06	120	120	Wrap Around	
918-0056-07	575	120	Wrap Around	
918-0056-08	480	150	Wrap Around	ZR300
918-0056-09	240	150	Wrap Around	
918-0056-10	120	150	Wrap Around	
918-0056-11	575	150	Wrap Around	

Verify correct crankcase heater needed through On-Line Product Information.

COPELAWELD®

Copeland Kit #	Voltage	Watts	Type	Used On
918-0048-00	120	35	Wrap-around	AF04-AF11, AF13, AFC*, AFD*, AFE*, AFF*, AFG*, AFH*, ARC*, ARD*, ARE*, ARF*, ARG*, AR13-AR41, AS10-AS14, AS19, AS24, AS32
918-0048-01	240	35	Wrap-around	
918-0054-00	120	35	Wrap-around	A****C3, A****C3E
918-0054-01	240	35	Wrap-around	
918-0049-00	120	48	Wrap-around	AFK1, AFT12-29, AF12, AF18-AF29, ARH1, ARK1, ARN3, ART51-ART97, AR51-AR64, AST40-AST54, AS18, AS22, AS40-AS45
918-0049-01	240	48	Wrap-around	
918-0038-00	120	48	Wrap-around	AFJ1, AFJ23, AFJ31, AF31, ARJ10-ARJ13, ARJ84, ARM1, ARN1, ASJ58, R, S
918-0038-02	240	48	Wrap-around	
918-0039-00	120	35	Wrap-around	J
918-0039-01	240	35	Wrap-around	
918-0031-05	240/480/600	40	Round Insert	All CF, CN, CR, CS, CT except for CR*4, CR16-30KQ
918-0037-00	120	54	Wrap-around	CR4, CR16-30KQ
918-0037-01	208	54	Wrap-around	
918-0037-02	240	54	Wrap-around	
918-0037-03	480	54	Wrap-around	
918-0019-01	120	70	Wrap-around	B
918-0019-04	240	70	Wrap-around	
918-0019-08	460	70	Wrap-around	
918-0019-09	575	70	Wrap-around	

Verify correct crankcase heater needed through On-Line Product Information.

Copeland Kit #	Voltage	Watts	Type	Used On	Upgrade to Sleeve/Well Heaters
918-0118-05	120	50	Bolt On	H, K	
918-0118-06	240	50	Bolt On		
918-0118-03	480	50	Bolt On		
918-0009-00	120	65	Bolt On	3A, 3R, E, L, M, N	
918-0009-01	240	65	Bolt On		
918-0009-02	480	65	Bolt On		
918-0009-03	600	65	Bolt On		
918-0009-04	12	65	Bolt On		
918-0001-03	120	65	Immersion	2D, 3D, 9 Flat Or Deep Sump**	918-0028-00
918-0001-02	240	65	Immersion		918-0028-01
918-0001-01	480	65	Immersion		918-0028-00^
918-0001-00	600	65	Immersion		918-0028-01^
918-0002-03	120	100	Immersion	4, 6 Flat Bottom	918-0028-00
918-0002-02	240	100	Immersion		918-0028-01
918-0002-01	480	100	Immersion		918-0028-00^
918-0002-00	600	100	Immersion		918-0028-01^
918-0518-00	120	200	Insertion	4, 6, 8 Deep Sump	
918-0518-01	240	200	Insertion		
918-0518-02	480	200	Insertion		
918-0028-00	120	100	Insertion	4D/4R, 6D/6R (must be used with 030-0186-00 well)¹	
918-0028-01	240	100	Insertion	2D, 3D, 9 (must be used with 030-0187-00 well)¹	

\*\* Also M deep sump

^ Requires step-down transformer

Important notes:

¹Heater replacements in older (pre-1994) compressors may require that you add the well (030-018x-00) to the compressor. In these older models, the heater was actually inserted into the oil. Upgrading to the new heater well will provide improved reliability and ease of future replacement.

**HEATER WELLS**



Heater well 030-018x-00  
 (Note: Heater wells are sold separately.)



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