

Copeland™ Three Phase Compressor Models

TONNAGE	ZRK5	ZRK1	ZRK2	ZRKA	ZRKC	ZRK3	ZRK4
2T	ZR21K5-TF5					ZR22K3-TF5	
	ZR21K5-TF7						
	ZR21K5-TFD					ZR22K3-TFD	
	ZR25K5-TF5			ZR26KA-TF5		ZR24K3-TF5	
	ZR25K5-TF7					ZR26K3-TF5	
	ZR25K5-TFD						
	ZR28K5-TF5					ZR24K3-TFD	
	ZR28K5-TF7					ZR26K3-TFD	
3T	ZR32K5-TF5			ZR32KA-TF5		ZR28K3-TFD	
				ZR34KA-TF5		ZR30K3-TF5	
	ZR32K5-TF7					ZR32K3-TF5	
	ZR32K5-TFD			ZR32KA-TFD	ZR34KC-TFD	ZR34K3-TF5	
				ZR34KA-TFD		ZR34K3-TF7	
	ZR32K5-TFE			ZR32KA-TFE		ZR30K3-TFD	
				ZR34KA-TFE		ZR32K3-TFD	
	ZR38K5-TF5			ZR38KA-TF5		ZR34K3-TFD	
	ZR38K5-TF7					ZR30K3-TFE	
	ZR38K5-TFD			ZR38KA-TFD	ZR36KC-TFD	ZR32K3-TFE	
	ZR38K5-TFE			ZR38KA-TFE		ZR34K3-TFE	
						ZR36K3-TF5	
3.5T	ZR42K5-TF5			ZR42KA-TF5		ZR36K3-TFD	
				ZR44KA-TF5		ZR36K3-TFE	
	ZR42K5-TFD			ZR42KA-TFD	ZR40KC-TFD	ZR40K3-TF5	
				ZR44KA-TFD	ZR42KC-TFD	ZR42K3-TF5	
	ZR42K5-TFE			ZR42KA-TFE		ZR40K3-TFD	
				ZR44KA-TFE		ZR42K3-TFE	
4T	ZR48K5-TF5		ZR46K2-TF5		ZR45KC-TF5	ZR45K3-TF5	
			ZR49K2-TF5		ZR46KC-TF5	ZR46K3-TF5	
					ZR47KC-TF5	ZR47K3-TF5	
	ZR48K5-TF7				ZR48KC-TF5	ZR48K3-TF5	
					ZR49KC-TF5	ZR49K3-TF5	
					ZR46KC-TF7	ZR46K3-TF7	
					ZR47KC-TF7		
					ZR48KC-TF7		
					ZR49KC-TF7		
	ZR48K5-TFD		ZR46K2-TFD		ZR45KC-TFD	ZR45K3-TFD	
			ZR49K2-TFD		ZR46KC-TFD	ZR46K3-TFD	
					ZR47KC-TFD	ZR47K3-TFD	
					ZR48KC-TFD	ZR48K3-TFD	
					ZR49KC-TFD	ZR49K3-TFD	
4.5T	ZR54K5-TF5			ZR54KA-TF5	ZR54KC-TF5	ZR45K3-TFE	
	ZR54K5-TF7				ZR54KC-TF7		
	ZR54K5-TFD			ZR54KA-TFD	ZR54KC-TFD	ZR52K3-TFD	
						ZR54K3-TFD	
	ZR54K5-TFE			ZR54KA-TFE	ZR54KC-TFE	ZR52K3-TFE	
5T			ZR57K2-TF5		ZR57KC-TF5	ZR54K3-TFE	
			ZR57K2-TFD		ZR57KC-TFD	ZR57K3-TF5	
			ZR57K2-TFE		ZR57KC-TFE	ZR57K3-TFD	
			ZR61K2-TF5		ZR61KC-TF5	ZR57K3-TFE	
			ZR61K2-TFD		ZR61KC-TFD	ZR61K3-TF5	
			ZR61K2-TFE		ZR61KC-TFE	ZR61K3-TFD	

Code	Hz-Phase-Volts
PFV	60-1-208/230
PFJ	60-1-265
TF5	60-3-200/230
TFD	60-3-460
TFE	60-3-575
TF7	60-3-380

Copeland Scroll™ ZRK5 Compressor Cross Reference Guide

Single Phase

TONNAGE	ZRK5	Bristol	Tecumseh	Carlyle	LG	Danfoss
5T	ZR57K3-PFV	H20R583ABC		SRD580AC		HRM058T1
		H20R603ABC		SRD580GC		HRM058U1
		H21R583CBC		SRD580HC		HRM060U1
		H22R583ABC		XRD580HA		
		H23R583ABC		XRD580HE		
				XRD580HU		
	ZR61K3-PFV	H21C613		SRD600AC		HRM060T1
		H21R583ABC		SRD600HC		
		H21R603ABC		XRD600HA		
		H21R603CBC		XRD600HE		
		H22C613		XRD600HU		
		H22R603ABC				
		H23R603ABC				

Code	Hz-Phase-Volts
PFV	60-1-208/230
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TF5	60-3-200/230
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TF7	60-3-380

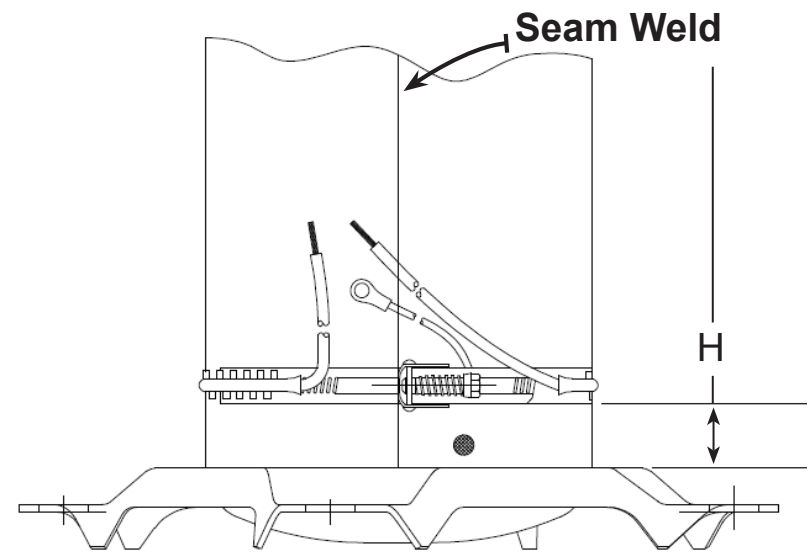
Three Phase

TONNAGE	ZRK5	Bristol	Tecumseh	Carlyle	LG	Danfoss
5T	ZR57K3-TF5	H20R583DBL		SRY582AC		HDM058T2
		H20R583DBY		SRY582AE		HDM058U2
		H20R603DBL		SRY582HC		HDM060T2
		H20R603DBY		XRY582HA		HRM058U2
		H21R583DBL		XRY582HE		HRM060U2
		H21R583DBY		XRY582HU		
		H21R603DBL				
		H23R583DBD				
		H23R603DBD				
	ZR57K3-TFD	H20R583DBE		SRH582AC		HDM058T4
		H20R603DBE		SRH582HC		HDM058U4
		H21R583DBE		XRH582HA		HRM058U4
		H21R603DBE		XRH582HE		HRM060T4
		H23R583DBE		XRH582HU		HRM060U4
		H23R603DBE				
	ZR57K3-TFE	H20R583DBF		SRJ582AC		HDM058T7
		H20R603DBF		SRJ58HC		HDM060T7
		H21R583DBF		XRJ582HA		HRM058U7
		H23R583DBF		XRJ582HE		HRM060U7
		H23R603DBF		XRJ582HU		

ZR Service Compressor Kit Guide		Part Numbers ZRK5											
Part Name		Description											
Bill of Material (BOM)													
Compressor Model													
Service Kit Part No.													
Molded Plug		10 Gage		529-0060-24		529-0060-24							
Mounting Parts		7.5" X 7.5" Mounting pattern		527-0044-15		527-0116-00		527-0116-00					
Poly Crank Case Heater		240V, 40W - Wrap around		018-0094-00		018-0096-00							
Poly Crank Case Heater		120V, 40W - Wrap around		018-0094-01		018-0096-01							
Poly Crank Case Heater		240V, 70W - Wrap around				018-0095-04					018-0095-04		
Poly Crank Case Heater		480V, 70W - Wrap around				018-0095-05					018-0095-05		
Capacitor Clamp		2.0" ID / 2.5" ID				032-0359-01/02							
Run Capacitor		see specs table				014-0080-00		014-0080-01		014-0080-02			
Filter Drier		Bi-Flow						014-0080-03		014-0080-04			
Contactors		24 volts, 2 pole								013-0193-00			
Fan Capacitors		7.5 uf / 10 uf								012-2030-00			
Fan Capacitors										012-2040-00			
Comfort Alert		(19-28 VAC) Diagnostic Module								014-0064-23/00			
Comfort Alert										543-0010-01			

The "Bill of Material" chart explains the current service kit options.
 These kits are defined by the last digit of the compressor nomenclature's Bill of Material (BOM).
 * Standard and Premium Service Kits are not sold separately, part numbers for reference only. (Premium Service Kits - offered for selected models only.)

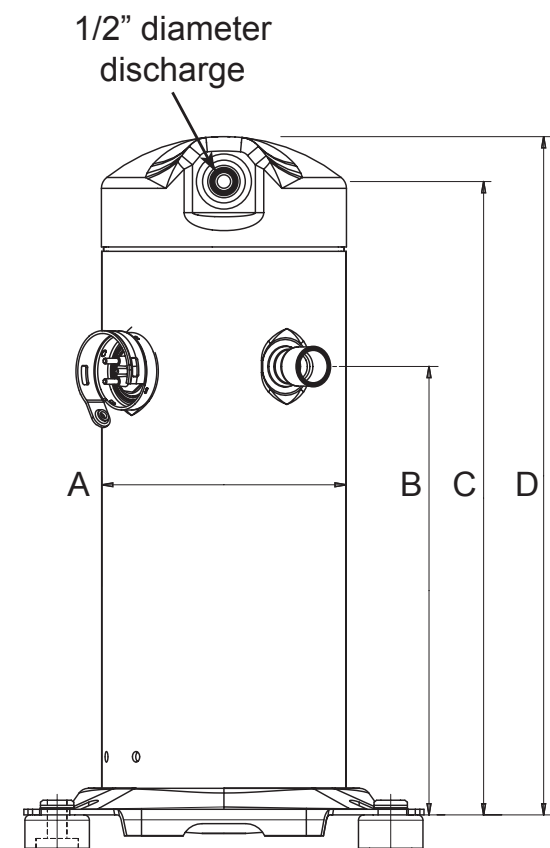
Code	Hz-Phase-Volts
PFV	60-1-208/230
PFJ	60-1-265
TF5	60-3-200/230
TFD	60-3-460
TFE	60-3-575
TF7	60-3-380



Model	H
ZR16-32K5	31mm
ZR38-54K5	12mm

Copeland Scroll™ Service Compressor Specification Chart

Model	ARI Capacity Btu/hr	RLA Amps (TF5/TFD)	Run Cap MFD / Volts	Start Cap MFD/Volts	Relay P/N	Diameter Inches (A)	Suction Height Inches (B)	Discharge Height Inches (C)	Height Inches (D)	Weight Lbs.	Suction Diameter Inches
ZR16K5-PFV	15,500	9.3	30/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	47	3/4
ZR18K5-PFV	18,000	10.7	30/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	47	3/4
ZR21K5-PFV	21,000	12	35/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	47	3/4
ZR21K5-PFJ	21,000	10.4	35/370	88-106/330	040-0166-15	5.5	10.1	14.2	15.3	47.2	3/4
ZR21K5-TF5/D	21,000	8.6/4.3	N/A	N/A	N/A	5.5	10.1	14.2	15.3	45	3/4
ZR21K5-TF7	21,000	4.3	N/A	N/A	N/A	5.5	10.1	14.2	15.3	48.9	3/4
ZR25K5-PFV	25,300	15	40/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	50	3/4
ZR25K5-PFJ	25,300	12.1	35/440	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	49	3/4
ZR25K5-TF5/D	25,300	8.9/4.6	N/A	N/A	N/A	5.5	10.1	14.2	15.3	48	3/4
ZR25K5-TF7	25,300	4.9	N/A	N/A	N/A	5.5	10.1	14.2	15.3	48.8	3/4
ZR28K5-PFV	28,400	15.7	45/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	50	3/4
ZR28K5-PFJ	28,400	13.9	45/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	50.9	3/4
ZR28K5-TF5/D	28,400	11.1/5.7	N/A	N/A	N/A	5.5	10.1	14.2	15.3	48	3/4
ZR28K5-TF7	28,400	5.7	N/A	N/A	N/A	5.5	10.1	14.2	15.3	50.3	3/4
ZR32K5-PFV	32,600	17.1	50/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	50	3/4
ZR32K5-PFJ	32,600	14.3	45/370	88-106/330	040-0166-37	5.5	10.1	14.2	15.3	50.7	3/4
ZR32K5-TF5/D	32,600	12/6.4	N/A	N/A	N/A	5.5	10.1	14.2	15.3	49	3/4
ZR32K5-TFE	32,600	4.6	N/A	N/A	N/A	5.5	10.1	14.2	15.3	47.8	3/4
ZR32K5-TF7	32,600	6.4	N/A	N/A	N/A	5.5	10.1	14.2	15.3	49.4	3/4
ZR38K5-PFV	38,000	21.4	55/370	88-106/330	040-0166-37	6.5	11.1	15.4	16.4	64	7/8
ZR38K5-PFJ	38,000	17.1	60/370	88-106/330	040-0166-07	6.5	11.1	15.4	16.4	68.8	7/8
ZR38K5-TF5/D	38,000	13.6/6.4	N/A	N/A	N/A	6.5	11.1	15.4	16.4	60	7/8
ZR38K5-TFE	38,000	4.8	N/A	N/A	N/A	6.5	11.1	15.4	16.4	63.6	7/8
ZR38K5-TF7	38,000	6.9	N/A	N/A	N/A	6.5	11.1	15.4	16.4	60.7	7/8
ZR42K5-PFV	42,200	22.1	55/370	88-106/330	040-0166-37	6.5	11.1	15.4	16.4	68	7/8
ZR42K5-PFJ	42,200	19.3	60/440	88-106/330	040-0166-37	6.5	11.1	15.4	16.4	68.3	7/8
ZR42K5-TF5/D	42,200	14.3/6.4	N/A	N/A	N/A	6.5	11.1	15.4	16.4	61	7/8
ZR42K5-TFE	42,200	5.3	N/A	N/A	N/A	6.5	11.1	15.4	16.4	61.5	7/8
ZR48K5-PFV	48,200	24.3	60/440	88-106/330	040-0166-37	6.5	11.1	15.4	16.4	72	7/8
ZR48K5-PFJ	48,200	21.4	80/440	88-106/330	040-0166-37	6.5	11.1	15.4	16.4	64.2	7/8
ZR48K5-TF5/D	48,200	17.1/7.9	N/A	N/A	N/A	6.5	11.1	15.4	16.4	68	7/8
ZR48K5-TFE	48,200	5.8	N/A	N/A	N/A	6.5	11.1	15.4	16.4	64.2	7/8
ZR48K5-TF7	48,200	8.1	N/A	N/A	N/A	6.5	11.1	15.4	16.4	64.2	7/8
ZR54K5-PFV	53,500	28.2	80/370	88-106/330	040-0166-37	6.5	11.1	15.4	16.4	73	7/8
ZR54K5-TF5/D	53,500	17.1/7.9	N/A	N/A	N/A	6.5	11.1	15.4	16.4	69	7/8
ZR54K5-TFE	53,500	5.9	N/A	N/A	N/A	6.5	11.1	15.4	16.4	68	7/8
ZR54K5-TF7	53,500	8.5	N/A	N/A	N/A	6.5	11.1	15.4	16.4	68.3	7/8
ZR57K3-PFV	58,000	32.1	80/370	270-324/330	040-0166-37	7.3	11.7	16.1	18	90	7/8
ZR57K3-TF5/D	58,500	19.3/9.1	N/A	N/A	N/A	7.3	11.7	16.1	18	85	7/8
ZR61K3-PFV	62,000	32.1	80/370	270-324/330	040-0166-37	7.3	11.7	16.1	18	90	7/8
ZR61K3-TF5/D	62,000	19.3/9.1	N/A	N/A	N/A	7.3	11.7	16.1	18	85	7/8
ZR61K3-TFE	62,000	7.9	N/A	N/A	N/A	7.3	11.7	16.1	18	84	7/8



Bottom Plate Mounting Pattern 7.5" x 7.5" (same as previous Copeland Models)

Rotalock™ Kit Part Numbers			
		Adapter	Seal
Suction	3/4" to 1-1/4"-12	998-0034-01	020-0028-02
Suction	7/8" to 1-1/4"-12	998-0034-02	020-0028-02
Discharge	1/2" to 1"-14	998-0034-15	020-0028-00

Additional information

Other available information includes:
A/C Compressor Product Guide (2008ECT-113)
ZRK5 Product Brochure (2009ECT-98)

For complete product details and additional information, visit **EmersonClimate.com** and select Online Product Information (OPI) or **CopelandScroll.com**.

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