

Copeland™ ZPSK5 Two-Stage Single Phase Compressor Models

Tonnage	ZPSK5 Preferred Wholesale Model	ZPSK4
2T	ZPS20K5E-PFV	ZPS20K4E-PFV
	ZPS20K5E-PFJ	ZPS20K4E-PFJ
	ZPS21K5E-PFV	
	ZPS26K5E-PFV	ZPS26K4E-PFV
	ZPS26K5E-PFJ	
3T	ZPS30K5E-PFV	ZPS30K4E-PFV
	ZPS30K5E-PFJ	
	ZPS31K5E-PFV	
	ZPS35K5E-PFV	ZPS35K4E-PFV
	ZPS40K5E-PFV	ZPS40K4E-PFV
	ZPS40K5E-PFJ	
4T	ZPS49K5E-PFV	ZPS49K4E-PFV
	ZPS51K5E-PFV	ZPS51K4E-PFV
	ZPS51K5E-PFJ	
5T	ZPS60K5E-PFV	ZPS60K4E-PFV

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™ ZPSK5 Two-Stage Three Phase Compressor Models

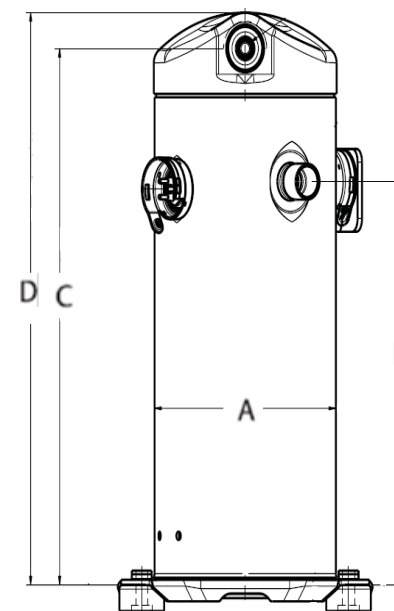
Tonnage	ZPSK5 Preferred Wholesale Model	ZPSK4
2T	ZPS20K5E-TF5	ZPS20K4E-TF5
	ZPS20K5E-TFD	ZPS20K4E-TFD
	ZPS26K5E-TF5	
	ZPS26K5E-TFD	
	ZPS26K5E-TFE	
3T	ZPS30K5E-TF5	ZPS30K4E-TF5
	ZPS30K5E-TFD	ZPS30K4E-TFD
	ZPS30K5E-TFE	ZPS30K4E-TFE
	ZPS35K5E-TF5	ZPS35K4E-TF5
	ZPS35K5E-TFD	ZPS35K4E-TFD
	ZPS40K5E-TF5	ZPS40K4E-TF5
	ZPS40K5E-TFD	ZPS40K4E-TFD
	ZPS40K5E-TFE	ZPS40K4E-TFE
4T	ZPS49K5E-TF5	ZPS49K4E-TF5
	ZPS49K5E-TFD	ZPS49K4E-TFD
	ZPS49K5E-TFE	
	ZPS51K5E-TF5	ZPS51K4E-TF5
	ZPS51K5E-TFD	ZPS51K4E-TFD
	ZPS51K5E-TFE	ZPS51K4E-TFE
5T	ZPS60K5E-TF5	ZPS60K4E-TF5
	ZPS60K5E-TFD	ZPS60K4E-TFD
	ZPS60K5E-TFE	ZPS60K4E-TFE

Copeland Scroll™ ZPK5 R-410A Compressor Cross Reference Guide



Copeland Scroll™ Two-Stage ZPSK5 R-410A Service Compressor Specification Chart

Model	ARI Capacity Btu/hr	MCC	RLA Amps (MCC/1.4)	LRA Amps	Run Cap (MFD / Volts)	Start Cap. (MFD / Volts) (optional)	Relay P/N (optional)	Diameter Inches (A)	Suction Height Inches (B)	Discharge Height Inches (C)	Height Inches (D)	Discharge Diameter Inches	Suction Diameter Inches	Weight Lbs.
ZPS20K5E-PFJ	20200	14.2	10.3	54	40/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS20K5E-PFV	20200	18.2	13	58.3	35/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS20K5E-TF5	20100	10.1	7.2	55.4	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS20K5E-TFD	20100	5.4	3.9	28	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS21K5E-PFV	21300	17.3	12.4	58.3	35/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS26K5E-PFJ	26100	15.9	11.4	60	40/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS26K5E-PFV	26400	20.4	14.6	73	40/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS26K5E-TF5	26100	13.5	9.6	58	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS26K5E-TFD	26100	6.7	4.8	28	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS26K5E-TFE	26100	5.4	3.9	24	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	47
ZPS30K5E-PFJ	30600	20.3	14.5	72	60/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	50
ZPS30K5E-PFV	30600	23.8	17	83	40/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	50
ZPS30K5E-TF5	30600	18.1	12.9	73	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	50
ZPS30K5E-TFD	30600	8.9	6.4	38	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	50
ZPS30K5E-TFE	30600	6.2	4.4	25.6	N/A	N/A	N/A	5.5	10.4	14.3	15.3	1/2	3/4	50
ZPS31K5E-PFV	31500	23.8	17	83	40/370	88-106/330	040-0166-37	5.5	10.4	14.3	15.3	1/2	3/4	50
ZPS35K5E-PFV	36900	28	20	96	45/370	88-106/330	040-0166-37	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS35K5E-TF5	36900	22.1	15.8	88	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS35K5E-TFD	36800	9.7	6.9	44	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS40K5E-PFJ	41200	25	17.9	109.7	80/370	88-106/330	040-0166-37	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS40K5E-PFV	41100	33	23.6	104	30/370	88-106/330	040-0166-02	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS40K5E-TF5	41200	21.9	15.6	83.1	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	67
ZPS40K5E-TFD	41200	10	7.1	41	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	67
ZPS40K5E-TFE	41200	7.1	5.1	33	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	67
ZPS49K5E-PFV	49100	45	32.1	152.9	40/440	88-106/330	040-0166-02	6.5	11.6	15.4	16.5	1/2	7/8	77
ZPS49K5E-TF5	49800	25.3	18.1	110	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS49K5E-TFD	49800	11.9	8.5	52	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS49K5E-TFE	49600	8.3	5.9	38.9	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	73
ZPS51K5E-PFJ	51900	35	25	130	80/440	88-106/330	040-0166-37	6.5	11.6	15.4	16.5	1/2	7/8	77
ZPS51K5E-PFV	51900	42.3	30.2	152.9	40/440	88-106/330	040-0166-02	6.5	11.6	15.4	16.5	1/2	7/8	77
ZPS51K5E-TF5	52100	25.8	18.4	110	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	77
ZPS51K5E-TFD	52100	11.3	8.1	52	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	72
ZPS51K5E-TFE	52100	8.6	6.1	38.9	N/A	N/A	N/A	6.5	11.6	15.4	16.5	1/2	7/8	72
ZPS60K5E-PFV	60800	46.3	33.1	179.2	40/440	43-52/330	040-0166-02	6.5	11.6	16	17	1/2	7/8	96
ZPS60K5E-TF5	61000	27.4	19.6	136	N/A	N/A	N/A	6.5	11.6	16	17	1/2	7/8	79
ZPS60K5E-TFD	60900	13.2	9.5	66.1	N/A	N/A	N/A	6.5	11.6	16	17	1/2	7/8	79
ZPS60K5E-TFE	61000	9.9	7.1	55.3	N/A	N/A	N/A	6.5	11.6	16	17	1/2	7/8	79



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 :

Copeland ZPSK5 compressors are offered in an 800 bill-of-material option, such as ZPS26K5E-PFV-800, that includes the compressor with a 42 inch molded plug power harness, 53 inch molded plug control harness, mounting parts and installation instructions.

Please refer to the installation instructions for the control harness upgrade requirements.

Parts	ZPS20-31K5E	ZPS35-60K5E	Description
Mounting kit	527-0044-15	527-0116-00	Mounting Grommets
Molded plug control harness (2-pin)	529-0138-01		53" Leads with Molex plug
Molded plug power harness (3-pin)	529-0370-00		42"-#10AWG Leads, L1/C-Black, L2/S-Charcoal gray, L2/R-Light gray

ZPSK5 Product Brochure (2002ECT-165 R6)

Notice to the Servicer :

Please review the electrical characteristics when replacing UT 1.0 (ZPS*K4E) with UT 2.0 (ZPS*K5E) in the field.

A different run capacitor, contactor, or start capacitor/relay maybe required when the compressor being replaced is a ZPS*K4E.

Always use the new modulation plug control harness supplied with the new two-stage ZPSK5 model.

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