

## Copeland™ ZPK5 Three Phase Compressor Models

| Tonnage | ZPK5 Preferred Wholesale Model | ZPK5 Special Order Model | ZPK3        | ZPKC | CP8         |
|---------|--------------------------------|--------------------------|-------------|------|-------------|
| 2T      | ZP20K5E-TF5                    | ZP21K5E-TF5              | ZP20K3E-TF5 |      |             |
|         | ZP20K5E-TFD                    | ZP21K5E-TFD              | ZP20K3E-TFD |      |             |
|         | ZP20K5E-TFE                    | ZP21K5E-TFE              |             |      |             |
| 2.5T    | ZP24K5E-TF5                    | ZP25K5E-TF5              | ZP23K3E-TF5 |      |             |
|         |                                |                          | ZP26K3E-TF5 |      |             |
|         | ZP24K5E-TFD                    | ZP25K5E-TFD              | ZP23K3E-TFD |      |             |
|         |                                |                          | ZP26K3E-TFD |      |             |
| 3T      | ZP24K5E-TFE                    | ZP25K5E-TFE              |             |      |             |
|         | ZP28K5E-TF5                    |                          |             |      |             |
|         | ZP28K5E-TFD                    |                          |             |      |             |
|         | ZP28K5E-TFE                    |                          |             |      |             |
|         | ZP31K5E-TF5                    | ZP29K5E-TF5              | ZP32K3E-TF5 |      | CP27K8E-TF5 |
|         | ZP31K5E-TFD                    | ZP29K5E-TFD              | ZP32K3E-TFD |      | CP27K8E-TFD |
|         | ZP31K5E-TFE                    | ZP29K5E-TFE              | ZP32K3E-TFE |      |             |
|         | ZP34K5E-TF5                    | ZP36K5E-TF5              | ZP36K3E-TF5 |      | CP30K8E-TF5 |
|         | ZP34K5E-TFD                    | ZP36K5E-TFD              | ZP36K3E-TFD |      | CP30K8E-TFD |
| 3.5T    | ZP34K5E-TFE                    | ZP36K5E-TFE              | ZP36K3E-TFE |      |             |
|         |                                |                          | ZP38K3E-TF5 |      |             |
|         | ZP38K5E-TF5                    | ZP39K5E-TF5              |             |      |             |
|         |                                |                          |             |      |             |
| 4T      | ZP38K5E-TFD                    | ZP39K5E-TFD              | ZP38K3E-TFD |      |             |
|         |                                |                          |             |      |             |
|         | ZP38K5E-TFE                    | ZP39K5E-TFE              | ZP38K3E-TFE |      |             |
|         | ZP42K5E-TF5                    | ZP44K5E-TF5              | ZP41K3E-TF5 |      |             |
|         |                                | ZP44K5E-TF7              | ZP44K3E-TF5 |      |             |
| 5T      | ZP42K5E-TFD                    | ZP44K5E-TFD              | ZP41K3E-TFD |      |             |
|         |                                |                          | ZP44K3E-TFD |      |             |
|         | ZP42K5E-TFE                    | ZP44K5E-TFE              | ZP41K3E-TFE |      |             |
|         |                                |                          | ZP44K3E-TFE |      |             |
|         | ZP49K5E-TF5                    |                          |             |      |             |
|         | ZP49K5E-TF7                    |                          |             |      |             |
|         | ZP49K5E-TFD                    |                          |             |      |             |
|         | ZP49K5E-TFE                    |                          |             |      |             |
|         | ZP54K5E-TF5                    | ZP51K5E-TF5              | ZP50K3E-TF5 |      |             |
|         |                                |                          | ZP54K3E-TF5 |      |             |
|         | ZP54K5E-TF7                    | ZP51K5E-TF7              | ZP54K3E-TF7 |      |             |
|         | ZP54K5E-TFD                    | ZP51K5E-TFD              | ZP50K3E-TFD |      |             |
|         |                                |                          | ZP54K3E-TFD |      |             |
| 5T      | ZP54K5E-TFE                    | ZP51K5E-TFE              | ZP50K3E-TFE |      |             |
|         |                                |                          | ZP54K3E-TFE |      |             |
|         | ZP61K5E-TF5                    | ZP57K5E-TF5              | ZP57K3E-TF5 |      | ZP57KCE-TF5 |
|         |                                |                          |             |      | ZP61KCE-TF5 |
|         | ZP61K5E-TFD                    | ZP57K5E-TFD              | ZP57K3E-TFD |      | ZP57KCE-TFD |
|         |                                |                          |             |      | ZP61KCE-TFD |
|         | ZP61K5E-TFE                    | ZP57K5E-TFE              | ZP57K3E-TFE |      | ZP61KCE-TFE |

| 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™ ZPK5 R-410A Compressor Cross Reference Guide



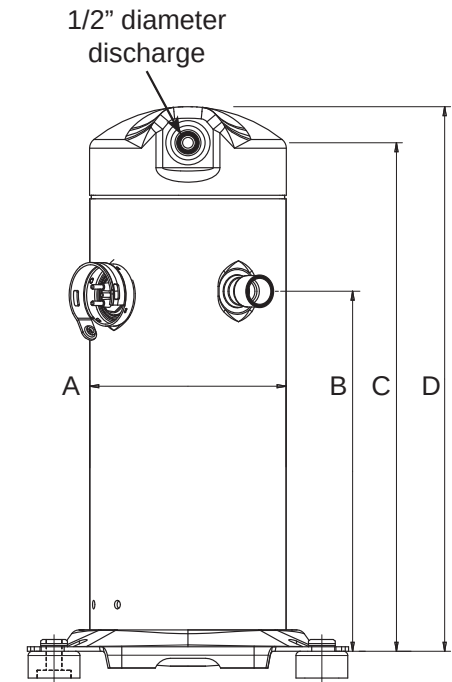
## Three Phase

| Tonnage     | ZPK5 Preferred Wholesale Model | ZPK5 Special Order Model | Bristol     | Carlyle    | Danfoss  | LG       |          |          |
|-------------|--------------------------------|--------------------------|-------------|------------|----------|----------|----------|----------|
| 3T          | ZP28K5E-TF5                    |                          | H81J283DBL  |            |          |          |          |          |
|             |                                |                          | H81J28BDBL  |            |          |          |          |          |
|             |                                |                          | H82J273DBL  |            |          |          |          |          |
|             |                                |                          | H82J283DBL  |            |          |          |          |          |
|             |                                |                          | H89B283DBL  |            |          |          |          |          |
|             |                                |                          | H82J273DBV  |            |          |          |          |          |
|             |                                |                          | H82J283DBV  |            |          |          |          |          |
|             |                                |                          | H82J273DBF  |            |          |          |          |          |
|             | ZP28K5E-TFD                    |                          | H82J283DBF  | XGY322HA   | HRH031U2 |          |          |          |
|             | ZP28K5E-TFE                    |                          | H82J293DBL  |            |          |          | HRH032U2 |          |
|             |                                |                          | H82J303DBL  |            |          |          |          |          |
|             |                                |                          | H82J323DBL  |            |          |          |          |          |
|             |                                |                          | H82J333DBL  |            |          |          |          |          |
|             |                                |                          | H83C313DBD  |            |          |          |          |          |
|             |                                |                          | H83C323DBD  |            |          |          |          |          |
|             |                                |                          | H82J293DBV  |            |          |          |          | XGH322HA |
|             |                                | ZP31K5E-TF5              | ZP29K5E-TF5 | H82J303DBV |          | HRH031U4 |          |          |
|             | H82J323DBV                     |                          |             | HRH032U4   |          |          |          |          |
|             | H83C323DBE                     |                          |             |            |          |          |          |          |
|             | H89B283DBV                     |                          |             |            |          |          |          |          |
|             | H89B303DBV                     |                          |             |            |          |          |          |          |
|             | H82J293DBF                     |                          |             |            |          | XGJ322HA | HRH031U7 |          |
|             | H82J303DBF                     |                          |             |            |          |          | HRH032U7 |          |
|             | H82J323DBF                     |                          |             |            |          |          |          |          |
|             | H82J333DBF                     |                          |             |            |          |          |          |          |
|             | H83C323DBF                     |                          |             |            |          |          |          |          |
|             | ZP31K5E-TFD                    | ZP29K5E-TFD              | H82B343DBL  | XGY362HA   | HRH034U2 |          |          |          |
|             |                                |                          | H82B363DBL  |            | HRH036U2 |          |          |          |
|             |                                |                          | H82J353DBL  |            |          |          |          |          |
|             |                                |                          | H82J37MDBL  |            |          |          |          |          |
|             |                                |                          | H83C363DBD  |            |          |          |          |          |
|             |                                |                          | H89B343DBL  |            |          |          |          |          |
|             |                                |                          | H82B343DBE  |            |          |          | XGH362HA | HRH034U4 |
|             |                                |                          | H82B363DBE  |            |          |          |          | HRH036U4 |
|             | H82J333DBV                     |                          |             |            |          |          |          |          |
|             | H82J353DBV                     |                          |             |            |          |          |          |          |
|             | H82J37MDBV                     |                          |             |            |          |          |          |          |
|             | H83C363DBE                     |                          |             |            |          |          |          |          |
|             | H89B343DBV                     |                          |             |            |          |          |          |          |
|             | H89B363DBV                     |                          |             |            |          |          |          |          |
| ZP34K5E-TF5 | ZP36K5E-TF5                    | H82B363DBF               | XGJ362HA    | HRH034U7   |          |          |          |          |
|             |                                | H82J353DBF               |             |            | HRH036U7 |          |          |          |
|             |                                | H82J37MDBF               |             |            |          |          |          |          |
|             |                                | H83C363DBF               |             |            |          |          |          |          |
|             |                                |                          |             |            |          |          |          |          |

| 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™ ZPK5 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) | Suction Diameter Inches | Weight Lbs. |
|-------------|---------------------|------|--------------------|----------|-----------------------|-------------------------------------|----------------------|---------------------|---------------------------|-----------------------------|-------------------|-------------------------|-------------|
| ZP14K5E-PFV | 14650               | 14   | 10                 | 46       | 30/370                | 88-106/330                          | 040-0166-07          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 50          |
| ZP16K5E-PFJ | 15500               | 11   | 7.9                | 43       | 35/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP16K5E-PFV | 15500               | 14   | 10                 | 48       | 30/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP20K5E-PFJ | 20000               | 14   | 10                 | 54       | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP20K5E-PFV | 20000               | 21   | 15                 | 58.3     | 35/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP20K5E-TF5 | 20000               | 11   | 7.9                | 55.4     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP20K5E-TFD | 20000               | 5.5  | 3.9                | 28       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP20K5E-TFE | 20000               | 4.6  | 3.3                | 24.5     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP21K5E-PFJ | 21300               | 15   | 10.7               | 54       | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP21K5E-PFV | 21300               | 20   | 14.3               | 58.3     | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP21K5E-TF5 | 21000               | 12   | 8.6                | 55.4     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP21K5E-TFD | 21300               | 5.6  | 4                  | 28       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP21K5E-TFE | 21300               | 4.6  | 3.3                | 24.5     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP24K5E-PFJ | 24000               | 17   | 12.1               | 60       | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP24K5E-PFV | 24000               | 20   | 14.3               | 64       | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP24K5E-TF5 | 24000               | 13   | 9.3                | 58       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP24K5E-TFD | 24000               | 8    | 5.7                | 28       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP24K5E-TFE | 24000               | 5.2  | 3.7                | 23.7     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP25K5E-PFJ | 25200               | 17.5 | 12.5               | 60       | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 50          |
| ZP25K5E-PFV | 25200               | 22   | 15.7               | 73       | 40/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP25K5E-TF5 | 25200               | 13.9 | 9.9                | 58       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP25K5E-TFD | 25200               | 6.5  | 4.6                | 28       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP25K5E-TFE | 25200               | 5.5  | 3.9                | 24       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 47          |
| ZP28K5E-PFV | 27900               | 25   | 17.9               | 77       | 45/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 50          |
| ZP28K5E-TF5 | 27900               | 15.6 | 11.1               | 71       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP28K5E-TFD | 27700               | 7.4  | 5.3                | 38       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP28K5E-TFE | 27700               | 5.8  | 4.1                | 28       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP29K5E-PFJ | 29000               | 19   | 13.6               | 72       | 60/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP29K5E-PFV | 29000               | 22   | 15.7               | 77       | 45/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 50          |
| ZP29K5E-TF5 | 29000               | 14   | 10.4               | 71       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP29K5E-TFD | 29000               | 8.8  | 6.3                | 38       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP29K5E-TFE | 29000               | 5.9  | 4.2                | 36.5     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP31K5E-PFJ | 31100               | 21   | 15                 | 72       | 60/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 49          |
| ZP31K5E-PFV | 31100               | 26   | 18.6               | 79       | 45/370                | 88-106/330                          | 040-0166-37          | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 50          |
| ZP31K5E-TF5 | 31200               | 16.3 | 11.6               | 73       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP31K5E-TFD | 31200               | 9    | 6.4                | 38       | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |
| ZP31K5E-TFE | 31100               | 5.9  | 4.2                | 36.5     | N/A                   | N/A                                 | N/A                  | 5.5                 | 10.3                      | 14.2                        | 15.3              | 3/4                     | 48          |



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 Scroll ZPK5 service compressors are offered in an 800 bill-of-material option, such as ZP25K5E-PFV-800 that includes the compressor with a 42 inch molded plug wiring harness, mounting parts and installation instructions.

## Other available information includes :

A/C Compressor Product Guide (2008ECT-113)

ZPK5 Product Brochure (2004ECT-182 R5)

For complete product details and additional information, visit [EmersonClimate.com](http://EmersonClimate.com) and select Online Product Information (OPI) or [CopelandScroll.com](http://CopelandScroll.com)

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

