## Change Notice Summary

This change notice releases miscellaneous revisions to items on various product lines. See individual line items for models affected.

### Product Designations

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**Models Affected:** N/A

**Reason:** Update drawings to reflect compressor diameters.

**Cost Impact:** None.

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**R&D Designer:** Jacob Presson  
**Engineering Manager:** Derek Brasuell  
**Design Services:**  
**Agency Liaison:** Bobby Dye  
**Division Purchasing:** Angela Taylor  
**Marketing:**

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**R&D Database Has Been Updated and Checked to Verify Shipping Dimensions.**
FPA
The “FPA” column (if applicable) will be marked by Design Engineer as follows:

Y = required
N = not required

First Part Approval:

Purpose and Applicability:
1. The purpose of this procedure is to ensure conformance to all Engineering specs.
2. This procedure applies to all new or revised fabricated parts and/or assemblies.
3. This procedure does not apply to Field Tests. However, First Part Approval must be accomplished prior to the Pilot Run.

USAGE
The “USAGE” column (if applicable) will be marked by Design Engineer as follows:

All information supplied to Engineering indicates that there is no inventory of this item.

A = New item implemented by (date).
B = Revision to an item which has not previously been made or purchased or which has not been made or purchased in some time and inventory records indicates zero quantity, in all plants affected by the change.

If it is necessary due to appearance, performance or agency approval that the existing stock must be scrapped or not used after the noted effective date, mark the USAGE column as follows:

C = Scrap existing inventory.

One of the following statements must accompany the item designated scrap, in the description write up. (note to be in bold text)

a. DO NOT process any units with the obsolete item after (MM/DD/YYYY)
b. Implementation change by (MM/DD/YYYY) . Scrap obsolete material at time of implementation.
c. Order new revision now. Scrap existing inventories when new revision is available.

If the existing inventory can be used mark USAGE column as follows:

D = Existing inventory can be used after implementation date unless otherwise noted; however revision must be made before additional parts are fabricated.
E = Existing Inventory can be used. Nature of this change does not affect existing inventory.
ELECTRICAL CONNECTION

FUSITE PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY.
TOLERANCES, THE FOLLOWING
COMPONENTS MAY VARY FROM
THE MOUNTING HOLES AS
TABULATED.

SUCTION TUBE  ± 125
DISCHARGE TUBE  ± 125

D. ALL TOLERANCES ± .06 UNLESS
OTHERWISE SPECIFIED.

MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON
AN APPLICATION DESIGN LIFE OF 15 YEARS AND COF #19.1.

MANUFACTURER: COPELAND
MFR'S MODEL NO.: ZP31K5E-P1FV
BILL OF MATERIAL NO.: ZP31K5E-P1FV-130
MFR'S DRAWING NO.: 497-2836-00
DESIGN REFRIGERANT: R-410A
COMPRESSOR SIZES: SCROLL
NET WEIGHT: 50 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATTS: 40
MOUNTING HOLES: FLAT
U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR 3104C

CHECKED APPROVED RELIABLE
STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED
- FRACTIONAL ±1/32
- ANGULAR ±1°.30
- DECIMAL 0.001
- DIMENSIONS IN "I" REFER ONLY
- ADDED MISSING DIMENSION. NO CHANGE TO PART.
- THIS REVISION ADDS COP REQUIREMENT NOTE; NO CHANGE TO PART
- NO REVISION TO DESIGN. MATERIAL, TOOLING, OR PROCESS IS ACCEPTABLE WITHOUT PRIOR APPROVAL FROM RHEEM THROUGH AN AUTHORIZED CHANGE NOTICE, A REVISED ENGINEERING SPECIFICATION AND A RESAMPLING OF PARTS. THE SUPPLIER IS RESPONSIBLE FOR NOTIFYING RHEEM OF ANY CHANGES AFFECTING PRODUCT QUALITY.
- ALL DOCUMENTS REFERRED TO ON THIS DRAWING ARE INCLUDED IN THE SPECIFICATIONS FOR THIS COMPONENT.

RESEARCH & DEVELOPMENT

COMPRESSOR

Q-1012S000

NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

MATERIAL

PART NO.: 55-102045-03
SHR SHEET 1 OF 1
REV 01
510 I.D. .398 MIN. SWAGE DEPTH
.0015 MINIMUM THICKNESS EXTERIOR AND INTERIOR COPPER PLATED STEEL DISCHARGE FITTING.

530° PIN CIRCLE

5.300

5.750 DIA. HOLES

510 I.D. .630 MIN. SWAGE DEPTH
.0015 MINIMUM THICKNESS EXTERIOR AND INTERIOR COPPER PLATED STEEL SUCTION FITTING.

ELECTRICAL CONNECTION
FUSIBLE PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY. TOLERANCES, THE FOLLOWING COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.

SUCTION TUBE ±.125
DISCHARGE TUBE ±.125

D. ALL TOLERANCES ±.06 UNLESS OTHERWISE SPECIFIED.

MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #191.

MANUFACTURER: COPELAND
MFR'S MODEL NO.: 2P3K5E-TFD
BILL OF MATERIAL NO.: 2P3K5E-TFD-130
MFR'S DRAWING NO.: 497-2836-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 50 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATTS: 40
MOUNTING HOLES: FLAT
U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR3104C

NOMINAL CAPACITY: 31,100 BTU/HR
NOMINAL WATTS: 3,070
VOLTS: 460
PHASE: 3
HERTZ: 60
RATED LOAD AMPS: 6.4
MAX. CONT. CURRENT: 9.0
LOCKED ROTOR AMPS: 38
RECM. CAPACITOR: NA MFD @ VAC
RECM. START RELAY: N/R
RECM. START CAP.: N/R MFD @ N/R VAC
OVERLOAD MODEL NO.: 071-0572-10
OIL CHARGE: 25 OZ.
OIL TYPE: 3MA-POE

CHECKED KC
APPROVED JF
RELIABILITY VIC

THIS REVISION ADDS COP REQUIREMENT NOTE: NO CHANGE TO PART
ADDED MISSING DIAMETER DIMENSION: NO CHANGE TO PART.

RESEARCH & DEVELOPMENT
MODELED BY NJM
DATE 05-23-05
ORIGINAL RELEASE NO. Y-0386S000
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED
MATERIAL

COMPRESSOR

PART NO. 55-102045-04
SHEET 1 of 1
REV 00
MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #19.1.

MANUFACTURER: COPELAND
MFR’S MODEL NO.: ZP42KSE-PFY
BILL OF MATERIAL NO.: ZP42KSE-PFY-130
MFR’S DRAWING NO.: 497-2035-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 74 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATTS: 40
MOUNTING HOLES: EXTRUDED
U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR 3104C

NOMINAL CAPACITY: 42,000 BTU/HR
NOMINAL WATTS: 4,080
VOLTS: 208/230
PHASE: 1
HERTZ: 60
RATED LOAD AMPS: 24.3
MAX. CONT. CURRENT: 34.0
LOCKED ROTOR AMPS: 117.0
RECM. CAPACITOR: 70 MFD @ 370 VAC
RECM. START RELAY: N/R
RECM. START CAP.: N/R MFD @ N/R VAC
OVERLOAD MODEL NO.: 071-0509-36
OIL CHARGE: 42 OZ.
OIL TYPE: 3MA-PDE

ELECTRICAL CONNECTION
FUSITE PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY. TOLERANCES, THE FOLLOWING COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.
   SUCTION TUBE ±.125
   DISCHARGE TUBE ±.125
D. ALL TOLERANCES ±.06 UNLESS OTHERWISE SPECIFIED.
ELECTRICAL CONNECTION
FUSITE PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY.
   TOLERANCES, THE FOLLOWING
   COMPONENTS MAY VARY FROM
   THE MOUNTING HOLES AS
   TABULATED.

SUCTION TUBE ± .125
DISCHARGE TUBE ± .125

D. ALL TOLERANCES ± .06 UNLESS
   OTHERWISE SPECIFIED.

MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON
AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #19.1.

MANUFACTURER: COPELAND
MFR'S MODEL NO.: ZP42K5E-TFD
BILL OF MATERIAL NO.: ZP42K5E-TFD-130
MFR'S DRAWING NO.: 497-2835-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 68.3 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATTS: 40
MOUNTING HOLES: EXTRUDED
U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR 3104C

Nominal Capacity: 42,000 BTU/HR
Nominal Watts: 4,040
Volts: 460
Phase: 3
Hertz: 60
Rated Load Amps: 6.9
Locked Rotor Amps: 41.0
Recm. Start Relay: N/R
Recm. Start Cap.: N/R MFD @ VAC
Overload Model No.: 071-0501-27
Oil Charge: 42 OZ.
Oil Type: 3MA-POE

CHECKED
RESEARCH
DEVELOPMENT

Rheem

Y-08845000
12-22-15
Y-06555047
11-17-16
ELECTRICAL CONNECTION
FUSITIVE PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY. TOLERANCES, THE FOLLOWING COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.
Suction tube ± .125
Discharge tube ± .125
D. ALL TOLERANCES ± .06 UNLESS OTHERWISE SPECIFIED.

MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #19.1.

MANUFACTURER: COPELAND
MFR'S MODEL NO.: ZP34KSE-PYV
BILL OF MATERIAL NO.: ZP34KSE-PYV-130
MFR'S DRAWING NO.: 497-2835-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 72 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECMO. C.C.H. WATTS:
MOUNTING HOLES: EXTRUDED
U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR 3104C

NOMINAL CAPACITY: 34,500 BTU/HR
NOMINAL WATTS: 3,380
VOLTS: 208/230
PHASE: 1
HERTZ: 60
RATED LOAD AMPS: 20.0
MAX. CONT. CURRENT: 28.0
LOCKED ROTOR AMPS: 112.0
RECMO. CAPACITOR: 45 MFD @ 370 VAC
RECMO. START RELAY: N/R
RECMO. START CAP.: N/R MFD @ N/R VAC
OVERLOAD MODEL NO.: 071-0546-05
OIL CHARGE: 42 OZ.
OIL TYPE: 3MA-POE
MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP H19.1.

ELECTRICAL CONNECTION
FUSE IN PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY. TOLERANCES, THE FOLLOWING COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.

SUCTION TUBE ± .125
DISCHARGE TUBE ± .125
D. ALL TOLERANCES ± .06 UNLESS OTHERWISE SPECIFIED.
ELECTRICAL CONNECTION
FUSITE PIN QUICK CONNECT

A. MOUNTING GROMMETS & SLEEVES
   NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY.
   TOLERANCES, THE FOLLOWING
   COMPONENTS MAY VARY FROM
   THE MOUNTING HOLES AS
   TABULATED.
   SUCTION TUBE  ±.125
   DISCHARGE TUBE  ±.125
D. ALL TOLERANCES ±.06 UNLESS
   OTHERWISE SPECIFIED.

.500  MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND
CONFIDENCE LEVEL OF 90% BASED ON
AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #19.1

MANUFACTURER: COPELAND
MFR'S MODEL NO.: ZP72KE-TFD
BILL OF MATERIAL NO.: ZP72KE-TFD-130 OR 13A *
MFR'S DRAWING NO.: 497-2649-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 88 LBS.
PRESS, RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATT: 20
MOUNTING HOLES: EXTRUDED
U.L./C-U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR 3104C

Nominal Capacity: 72,000 (58,500) BTU/Hr
Nominal Watts: 6,750 (5,650)
Volts: 460 (380-420)
Phase: 3
Hertz: 60 (50)
Rated Load Amps: 11.2 (11.2)
Max. Cont. Current: 17.5 (17.5)
Locked Rotor Amps: 75.0 (75.0)
Recm. Capacitor: N/R MFD @ N/R Vac
Recm. Start Relay: N/R
Recm. Start Cap.: N/R MFD @ N/R Vac
Overload Model No.: 071-0519-15
Oil Charge: 60 OZ.
Oil Type: 3MA-POE

* - 13A = ALUMINUM WINDINGS
  130 = COPPER WINDINGS
510 .398 MIN. SWAGE DEPTH
0.005 MINIMUM THICKNESS
EXTERIOR AND INTERIOR COPPER PLATED STEEL
DISCHARGE FITTING.

500 .630 MIN. SWAGE DEPTH
0.005 MINIMUM THICKNESS
EXTERIOR AND INTERIOR COPPER PLATED STEEL
SUCTION FITTING.

MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON
AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #19.1.

MANUFACTURER: COPELAND
MFR'S MODEL NO.: ZP14K5E-PFV
BILL OF MATERIAL NO.: ZP14K5E-PFV-130
MFR'S DRAWING NO.: 497-2836-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 49.5 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATTS:
MOUNTING HOLES: FLAT
U.L. FILE NO.: SA-2337
C.S.A. FILE NO.: LR 3104C

NOMINAL CAPACITY: 14,500 BTU/HR
NOMINAL WATTS: 1,560
VOLTS: 208/230
PHASE: 1
HERTZ: 60
RATED LOAD AMPS: 10.0
MAX. CONT. CURRENT: 14.0
LOCKED ROTOR AMPS: 46.0
RECM. CAPACITOR: 30 MFD @ 370 VAC
RECM. START CAP.: N/R MFD @ N/R VAC
OVERLOAD MODEL NO.: 071-0509-45
OIL CHARGE: 25 OZ.
OIL TYPE: 3MA-POE

CHECKED STANDARD TOLERANCE
APPROVED TOLERANCE UNLESS OTHERWISE SPECIFIED
RELIEF ENGR. DEC/INCH O.030 DIMENSIONS IN () REF. ONLY
RESEARCH DEVELOPMENT MODELLED BY MJM DATE 12-02-10 ORIGINAL RELEASE NO. A-10745000 NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED MATERIAL

COMPRESSOR PART NO. SHEET 1 OF 1 REV 55-102045-82 00
MUST COMPLY WITH A MINIMUM RELIABILITY OF 90% AND CONFIDENCE LEVEL OF 90% BASED ON AN APPLICATION DESIGN LIFE OF 15 YEARS AND COP #19.1.

MANUFACTURER: EMERSON CLIMATE TECH.
MFR'S MODEL NO.: ZP20KAE-PFV
BILL OF MATERIAL NO.: ZP20KAE-PFV-130
MFR'S DRAWING NO.: 497-1427-00
DESIGN REFRIGERANT: R-410A
COMPRESSION METHOD: SCROLL
NET WEIGHT: 43.5 LBS.
PRESS. RELIEF VALVE: YES
RELIEF VALVE SETTING: 550-625 PSID
CRANKCASE HEATER: NO
RECM. C.C.H. WATTS: 40
MOUNTING HOLES: FLAT
U.L./C-UL. FILE NO.: SA-2337
C.S.A. CLASS NO.: SLIS 8

RESEARCH & DEVELOPMENT

COMPRESSOR

PART NO.: 55-102045-97
REV: 00

NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED.

ELECTRICAL CONNECTION
FUSITE PIN QUICK CONNECT
A. MOUNTING GROMMETS & SLEEVES NOT INCLUDED.
B. TUBE ENDS MUST BE PLUGGED.
C. DUE TO ACCUMULATED ASSY. TOLERANCES, THE FOLLOWING COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS TABULATED.
SUCTION TUBE ± .125
DISCHARGE TUBE ± .125
D. ALL TOLERANCES ± .06 UNLESS OTHERWISE SPECIFIED.