



## Installation Instructions

# Location of Parts

## Commercial Self-Contained R'newal™ Service Program

Model Numbers: SWUA      SCRF  
                         SWUD      SCWD  
                         SCWF      SCRD

This document applies to service offering applications only.

Distribution/use of this document is limited to the Trane sales and service organization in support of the Refresh service program and is not intended for independent third party use.

### SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.



# Introduction

Read this manual thoroughly before operating or servicing this unit.

## Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

- WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- CAUTION** Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.
- NOTICE** Indicates a situation that could result in equipment or property-damage only accidents.

## Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants.

## Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

**WARNING**

**Proper Field Wiring and Grounding Required!**

Failure to follow code could result in death or serious injury. All field wiring **MUST** be performed by qualified personnel. Improperly installed and grounded field wiring poses **FIRE** and **ELECTROCUTION** hazards. To avoid these hazards, you **MUST** follow requirements for field wiring installation and grounding as described in **NEC** and your local/state/national electrical codes.

**WARNING**

**Personal Protective Equipment (PPE) Required!**

Failure to wear proper PPE for the job being undertaken could result in death or serious injury. Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, **MUST** follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- Before installing/servicing this unit, technicians **MUST** put on all PPE required for the work being undertaken (Examples; cut resistant gloves/sleeves, butyl gloves, safety glasses, hard hat/bump cap, fall protection, electrical PPE and arc flash clothing). **ALWAYS** refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.
- When working with or around hazardous chemicals, **ALWAYS** refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labeling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.
- If there is a risk of energized electrical contact, arc, or flash, technicians **MUST** put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, **PRIOR** to servicing the unit. **NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

**⚠ WARNING****Follow EHS Policies!**

Failure to follow instructions below could result in death or serious injury.

- All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.
- Non-Trane personnel should always follow local regulations.

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## Revision History

Document updated to reflect Service Offering number.



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# Initial Inspection

If a unit inspection was not performed before the R'newal parts were ordered, assess the equipment condition. Report any observed problems to the owner/building manager before proceeding with the R'newal. Inspect for the following:

- **Evaporator coil condition** - Visually assess unit coil for damage and check its leak history.
- **Thermal insulation** - Visually check unit insulation for water damage, physical damage or soiling.
- **Drain pan problems and biological growth** - Visually check the unit drain pan for biological growth, leaks and/or wear and corrosion that has the potential to cause leaks.
- **Refrigerant piping and joints** - Visually inspect the condition of refrigerant lines and connections.
- **Condenser condition** - Visually inspect condensers for damage and review their leak and repair history. If water cooled, assess if proper water treatment has been maintained and whether heat exchanger fouling is indicated.
- **Water regulating valve condition** - If installed, visually inspect condenser water regulating valves and actuators for damage and assess their leak and repair history.
- **Condenser water flow switch service history** - Assess the service repair history of the condenser water flow switches and determine if their reliability indicates they should be replaced.
- **Supply fan drive condition** - Inspect sheaves, drive belts, shaft and motor for wear and replace if necessary.
- **Control panel condition** - Inspect control panel wiring and components. Check tightness of components and wiring and replace individual components if required.



# Location of Parts

The following tables and figures are to be used to identify the items received when a Commercial Self-Contained R'newal package is ordered. Material to be used for a Commercial Self-Contained R'newal can vary greatly depending on the options selected and the unit being R'newed. Refer to the sales order documentation to confirm ordered options.

The nameplate sticker will ship in a separate envelope under the part number 018503790100. Peel the nameplate from the backing and affix next to the existing nameplate.

## Standard Parts

Standard parts that should be received for every Commercial Self-Contained R'newal order are:

- Compressor(s)
- Compressor contactors and auxiliary switches
- Supply fan motor contactor(s)
- Filter driers
- Compressor crankcase heaters (crankcase heaters are supplied but may or may not be needed depending on the application)
- High and low pressure switches
- Airflow switch

The following parts are standard, but are dependent on the existing unit type:

- Oil pressure switch (SWUA only)
- Phase loss monitor (SCWF, SCRF, and SWUA only)
- Electric heat contactors (if unit shipped with electric heat)

## Optional Parts

The following parts will be received depending on system selections:

- Supply fan motor (high efficiency, open drip proof)
- Supply fan bearings
- Water-cooled condensers
- Variable frequency drive and installation parts

## Kit Contents and Installation Notes

### Notes:

- *The following tables of kit contents and applications are accurate at the time of this document publication. Some parts will go through supersessions and component part numbers will change. If a part received in one of the kits is not as listed, check to see if a supersession has occurred. If parts are added or subtracted to kits, this document will be updated to reflect those changes.*
- *Refer to the original unit Installation, Operation, and Maintenance manual or other previously published service literature for procedures to follow when installing the parts received.*
- *Not all model numbers and design sequences are supported with a configured product. Contact support to determine if the model can be supported.*

## Compressor Kits

### Notes:

- *Reciprocating compressors from Charlotte will include a crankcase heater.*
- *Scroll compressors ship with a crankcase heater that may or may not be needed depending on the application.*

**Table 1. Compressor kits**

R'newal Kit	Part Number	Qty	Description
017403010100	COM01468	1	<b>COMPRESSOR; CRHM200C-2*AS, REMFG, 20 TON, 460/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM200C-2*AS, REMFG, 20 TON, 460/60/3
017403020100	COM01472	1	<b>COMPRESSOR, CRHM250C-4*AS, REMFG, 25 TON, 460/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM250C-4*AS, REMFG, 25 TON, 460/60/3
017403030100	COM01473	1	<b>COMPRESSOR, CRHM250A-4*AS, REMFG, 25 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM250A-4*AS, REMFG, 25 TON, 200/60/3
017403040100	COM01478	1	<b>COMPRESSOR, CRHM300C-4*AS, REMFG, 30 TON, 460/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM300C-4*AS, REMFG, 30 TON, 460/60/3
017403050100	COM01479	1	<b>COMPRESSOR, CRHM300A-4*AS, REMFG, 30 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM300A-4*AS, REMFG, 30 TON, 200/60/3
017403060100	COM01512	1	<b>COMPRESSOR, CRHM250W-4*AS, REMFG, 25 TON, 230/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM250W-4*AS, REMFG, 25 TON, 230/60/3
017403070100	COM01514	1	<b>COMPRESSOR, CRHM300W-4*AS, REMFG, 30 TON, 230/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM300W-4*AS, REMFG, 30 TON, 230/60/3
017403080100	COM01622	1	<b>COMPRESSOR, CRHR400A-3*AS, REMFG, 40 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR400A-3*AS, REMFG, 40 TON, 200/60/3

**Table 1. Compressor kits (continued)**

R'newal Kit	Part Number	Qty	Description
017403090100	COM01623	1	<b>COMPRESSOR, CRHR400W-3*AS, REMFG, 40 TON, 230/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR400W-3*AS, REMFG, 40 TON, 230/60/3
017403100100	COM01624	1	<b>COMPRESSOR; CRHR400C-3*AS, REMFG, 40 TON, 460/60/3, CSC R'NEWAL</b> COMPRESSOR; CRHR400C-3*AS, REMFG, 40 TON, 460/60/3
017403110100	COM01625	1	<b>COMPRESSOR, CRHR500A-4*AT, REMFG, 50 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR500A-4*AT, REMFG, 50 TON, 200/60/3
017403120100	COM01626	1	<b>COMPRESSOR, CRHR500Q-4*AT, REMFG, 50 TON, 200/50/3-230/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR500Q-4*AT, REMFG, 50 TON, 200/50/3-230/60/3
017403130100	COM01627	1	<b>COMPRESSOR, CRHR500C-4*AO, REMFG, 50 T, 400/50/3-460/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR500C-4*AO, REMFG, 50 T, 400/50/3-460/60/3
017403140100	COM01628	1	<b>COMPRESSOR, CRHR600A-4*AT, REMFG, 60 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR600A-4*AT, REMFG, 60 TON, 200/60/3
017403150100	COM01630	1	<b>COMPRESSOR, CRHR600C-4*AT, REMFG, 60 TON, 460/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR600C-4*AT, REMFG, 60 TON, 460/60/3
017403160100	COM01853	1	<b>COMPRESSOR, CRHM250D-4*AS, REMFG, 25 TON 575/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM250D-4*AS, REMFG, 25 TON 575/60/3
017403170100	COM01855	1	<b>COMPRESSOR, CRHM300D-4*AS, REMFG, 30 TON, 575/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM300D-4*AS, REMFG, 30 TON, 575/60/3
017403180100	COM01857	1	<b>COMPRESSOR, CRHR400D-3*AS, REMFG, 40 TON, 575/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR400D-3*AS, REMFG, 40 TON, 575/60/3
017403190100	COM01858	1	<b>COMPRESSOR, CRHR500D-4*AT, REMFG, 50 TON, 575/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR500D-4*AT, REMFG, 50 TON, 575/60/3
017403200100	COM02120	1	<b>COMPRESSOR, CRHM200A-3*AS, REMFG, 20 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM200A-3*AS, REMFG, 20 TON, 200/60/3
017403210100	COM02125	1	<b>COMPRESSOR, CRHM200W-3*AS, REMFG, 20 TON, 230/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM200W-3*AS, REMFG, 20 TON, 230/60/3
017403220100	COM02127	1	<b>COMPRESSOR, CRHM200D-3*AS, REMFG, 20 TON, 575/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHM200D-3*AS, REMFG, 20 TON, 575/60/3
017403230100	COM02153	1	<b>COMPRESSOR, CRHR400A-2*AS, REMFG, 40 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR, CRHR400A-2*AS, REMFG, 40 TON, 200/60/3
017403240100	COM06428 HTR12360	1 1	<b>COMPRESSOR; CSHA-100A-0*00/CSHA-100A-0*0A, 10 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100A-0*00/CSHA-100A-0*0A, 10 TON, 200/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 90W/100W,200V
017403250100	COM06429 HTR12361	1 1	<b>COMPRESSOR; CSHA-100R-0*00/CSHA-100R-0*0A, 10 TON, 208-230/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100R-0*00/CSHA-100R-0*0A, 10 TON, 208-230/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 90W/100W, 230-240V
017403260100	COM06430 HTR12364	1 1	<b>COMPRESSOR; CSHA-100K-0*00/CSHA-100K-0*0A, 10 TON, 400/50/3, 460/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100K-0*00/CSHA-100K-0*0A, 10 TON, 400/50/3, 460/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 90W/100W, 460-480V
017403270100	COM06431 HTR12365	1 1	<b>COMPRESSOR; CSHA-100D-0*00/CSHA-100D-0*0A, 10 TON, 575/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100D-0*00/CSHA-100D-0*0A, 10 TON, 575/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 90W/100W, 575V
017403280100	COM06436 HTR12522	1 1	<b>COMPRESSOR; CSHA-150A-0*00/CSHA-150A-0*0A, 15 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150A-0*00/CSHA-150A-0*0A, 15 TON, 200/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 160W, 200V
017403290100	COM06437 HTR12523	1 1	<b>COMPRESSOR; CSHA-150R-0*00/CSHA-150R-0*0A, 15 TON, 208-230/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150R-0*00/CSHA-150R-0*0A, 15 TON, 208-230/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 160W, 230V
017403300100	COM06438 HTR12525	1 1	<b>COMPRESSOR; CSHA-150K-0*00/CSHA-150K-0*0A, 15 TON, 400/50/3, 460/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150K-0*00/CSHA-150K-0*0A, 15 TON, 400/50/3, 460/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 160W, 460V
017403310100	COM06439 HTR12526	1 1	<b>COMPRESSOR; CSHA-150D-0*00/CSHA-150D-0*0A, 15 TON, 575/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150D-0*00/CSHA-150D-0*0A, 15 TON, 575/60/3, BRAZE SWEAT, MINERAL OIL (OIL00045) HEATER; CRANKCASE, 160W, 575V



## Location of Parts

**Table 1. Compressor kits (continued)**

R'newal Kit	Part Number	Qty	Description
017403320100	COM07257	1	<b>COMPRESSOR; CSHA-100K-0*07/CSHA-100K-0*0F, 10 TON, 400-50-3,460-60-3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100K-0*07/CSHA-100K-0*0F, 10 TON, 400-50-3,460-60-3, BRAZE SWEAT, POE OIL (OIL00078)
	HTR12364	1	HEATER; CRANKCASE, 90W/100W, 460-480V
017403330100	COM07558	1	<b>COMPRESSOR; CSHA-150K-0*07/CSHA-150K-0*0F, 15 TON, 400-50-3/460-60-3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150K-0*07/CSHA-150K-0*0F, 15 TON, 400-50-3/460-60-3, BRAZE SWEAT, POE OIL (OIL00078)
	HTR12525	1	HEATER; CRANKCASE, 160W, 460V
017403340100	COM08010	1	<b>COMPRESSOR; CSHA-100D-0*07/CSHA-100D-0*0F, 10 TON, 575-60-3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100D-0*07/CSHA-100D-0*0F, 10 TON, 575-60-3, BRAZE SWEAT, POE OIL (OIL00078)
	HTR12365	1	HEATER; CRANKCASE, 90W/100W, 575V
017403350100	COM08011	1	<b>COMPRESSOR; CSHA-150D-0*07/CSHA-150D-0*0F, 15 TON, 575-60-3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150D-0*07/CSHA-150D-0*0F, 15 TON, 575-60-3, BRAZE SWEAT, POE OIL (OIL00078)
	HTR12526	1	HEATER; CRANKCASE, 160W, 575V
017403360100	COM08486	1	<b>COMPRESSOR; CSHA-100A-0*07/CSHA-100A-0*0F, 10 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-100A-0*07/CSHA-100A-0*0F, 10 TON, 200/60/3, BRAZE SWEAT, POE OIL (OIL00078)
	HTR12522	1	HEATER; CRANKCASE, 160W, 200V
017403370100	COM08544	1	<b>COMPRESSOR; CSHA-150A-0*07/CSHA-150A-0*0F, 15 TON, 200/60/3, CSC R'NEWAL</b> COMPRESSOR; CSHA-150A-0*07/CSHA-150A-0*0F, 15 TON, 200/60/3, BRAZE SWEAT, POE OIL (OIL00078)
	HTR12522	1	HEATER; CRANKCASE, 160W, 200V
017403380100 <sup>(a)</sup>	COM09093	1	<b>COMPRESSOR, BRISTOL, H2NG184DPEF, 15 TONS 380-415-460/50-60/3, CSC R'NEWAL</b> COMPRESSOR, BRISTOL, H2NG184DPEF, 15 TONS 380-415-460/50-60/3, WITH ROTOLOCKS, SUCTION 1 3/4, DISCHARGE ID 1 1/4
017403420100 <sup>(a)</sup>	COM10530	1	<b>COMPRESSOR; BRISTOL, H22G184GPEF, 460/60/3, 15 TON, R22, CSC R'NEWAL</b> COMPRESSOR; BRISTOL, H22G184GPEF, 460/60/3, 15 TON, R22
017403430100 <sup>(a)</sup>	COM10806	1	<b>COMPRESSOR; 15 TON, 208-230/60/3, ROTOLOCK, CSC R'NEWAL</b> COMPRESSOR; 15 TON, 208-230/60/3, ROTOLOCK

(a) Bristol compressors 017403380100, 017403420100, and 017403430100 do not have crankcase heaters available.

## Contactors Kits

**Note:** Replacement contactors may have a higher amp rating than the contactors originally supplied in the unit.

**Table 2. Contactor kits**

R'newal Kit	Part Number	Qty	Description
017403800100	CTR02578	1	<b>CONTACTOR; 40A CSC R'NEWAL</b> CONTACTOR; 3P 40A 120VAC / LUGS
	SWT03534	1	SWITCH; AUX, 1NO/1NC, FOR 20A-60A
	SWT03533	1	SWITCH; AUX, 1SPDT FOR 20A-60A CONTACTORS
017403810100	CTR02582	1	<b>CONTACTOR; 60A CSC R'NEWAL</b> CONTACTOR; 3P 60A 120VAC / LUGS
	SWT03533	1	SWITCH; AUX, 1SPDT FOR 20A-60A CONTACTORS
	SWT03534	1	SWITCH; AUX, 1NO/1NC, FOR 20A-60A
017403820100	CTR02587	1	<b>CONTACTOR; 90A CSC R'NEWAL</b> CONTACTOR; 3P 90A 120VAC / LUGS
	SWT03572	1	SWITCH; 1-SPDT MICRO SIDE SWITCH
	SWT03536	1	SWITCH; AUX, 1NO/1NC, FOR 75A-90A CONTACTORS
017403830100	CTR02623	1	<b>CONTACTOR; 120A CSC R'NEWAL</b> CONTACTOR; 120A, 3-POLE, 120V
	SWT03573	1	SWITCH; 2-SPDT MICRO SIDE SWITCH
	SWT03572	1	SWITCH; 1-SPDT MICRO SIDE SWITCH
	SWT03536	1	SWITCH; AUX, 1NO/1NC, FOR 75A-90A CONTACTORS
017403840100	CTR02251	1	<b>CONTACTOR; 150A CSC R'NEWAL</b> CONTACTOR; 150A 600V 3P MOTOR STARTER
	BLK00558	1	BLOCK; SWITCH, NO, AUX CONTACT, 200/230/460/575V



**Table 3. SWUD, SCWD, SCRD, SCWF, SCRF compressor contactor kit application**

Model	Tons	Qty of 017403810100 (10-ton compressors)	Qty of 017403820100 (15-ton compressors)
SCRD/SCRF	20	2	
SCRD/SCRF	25	1	1
SCRD/SCRF	29	1	1
SCRD/SCRF	30	3	
SCRD/SCRF	35	3	
SCRD/SCRF	40	2	1
SCRD/SCRF	50		3
SCRD/SCRF	60		4
SWUD/SCWD/SCWF	20	2	
SWUD/SCWD/SCWF	22	2	
SWUD/SCWD/SCWF	25	2	
SWUD/SCWD/SCWF	29	1	1
SWUD/SCWD/SCWF	32	1	1
SWUD/SCWD/SCWF	35	3	
SWUD/SCWD/SCWF	38	3	
SWUD/SCWD/SCWF	42	2	1
SWUD/SCWD/SCWF	46	2	1
SWUD/SCWD/SCWF	52		3
SWUD/SCWD/SCWF	58		3
SWUD/SCWD/SCWF	65	1	3
SWUD/SCWD/SCWF	72	1	3
SWUD/SCWD/SCWF	80		4
SCWF	85		5
SCWF	90		5
SCWF	100	2	4
SCWF	110		6

**Table 4. SWUA compressor contactor kit application**

Tons	200 Volt PWS		230 Volt PWS		460 Volt PWS		575 Volt PWS		460 Volt XL		575 Volt XL	
	Component	Qty	Component	Qty	Component	Qty	Component	Qty	Component	Qty	Component	Qty
20	017403820100	2	017403810100	2	017403810100	2	017403810100	2	017403810100	1	017403810100	1
25	017403820100	2	017403820100	2	017403810100	2	017403810100	2	017403810100	1	017403810100	1
30	017403820100	2	017403820100	2	017403810100	2	017403810100	2	017403820100	1	017403810100	1
40	017403830100	2	017403830100	2	017403810100	2	017403810100	2	017403820100	1	017403820100	1
50	017403840100	2	017403830100	2	017403810100	2			017403830100	1	017403820100	1
60	017403840100	2			017403810100	2			017403830100	1		

**Note:** PWS = Part winding start; XL = Across the line start.

**Table 5. SWUA design sequence D compressor contactor kit application**

Tons	Voltage	Component	Qty
50	460 Volt XL	017403810100	3
60	460 Volt XL	017403810100	4
30	200 Volt PWS	017403810100	4
50	200 Volt PWS	017403810100	6

**Note:** PWS = Part winding start; XL = Across the line start



## Location of Parts

### Electric Heat Contactor Kits

**Note:** Electric heat contactors are provided if ordered and the unit originally shipped with electric heat.

**Table 6. Electric heat contactor kits**

R'newal Kit	Part Number	Qty	Description
017403850100	CTR00809	1	<b>CONTACTOR; 50A CSC R'NEWAL</b> CONTACTOR; OPERATING, 50A, 3P, 120V CNTL
017406200100	CTR00810	1	<b>CONTACTOR; 50A, 24V CSC R'NEWAL</b> CONTACTOR; BACKUP, 50A, 3P, 24V CNTL.

**Table 7. Electric heat contactor kit application**

Development Sequence	Volt	Tons	Components			
			Part Number	Qty	Part Number	Qty
SCRD	460	20, 25, 29, 30, 35, 40	017403850100	1	017406200100	1
SCRF	460	20, 29, 30, 35, 40, 50	017403850100	1	017406200100	1
SCWD	460	20, 22, 25, 29, 32, 38, 42, 46	017403850100	1	017406200100	1
SCWF	460	20, 25, 29, 32, 35, 38, 42, 46	017403850100	1	017406200100	1
SCRD	460	50, 60	017403850100	2	017406200100	2
SCRF	460	60	017403850100	2	017406200100	2
SCWD	460	52, 58, 65, 72, 80	017403850100	2	017406200100	2
SCWF	460	52, 58, 65, 72, 80, 90, C0, C1	017403850100	2	017406200100	2
SCRD	200	20, 25, 29	017403850100	2	017406200100	2
SCRF	200	20, 30	017403850100	2	017406200100	2
SCWD	200	20, 22, 25, 29, 32	017403850100	2	017406200100	2
SCWF	200	20, 22, 25, 29, 32, 35	017403850100	2	017406200100	2
SCRD	200	30, 35, 40, 50, 60	017403850100	3	017406200100	3
SCRF	200	40, 60	017403850100	3	017406200100	3
SCWD	200	35, 38, 42, 46, 52, 58, 65, 72, 80	017403850100	3	017406200100	3
SCWF	200	38, 42, 46, 52, 58, 65, 72, 80	017403850100	3	017406200100	3

### Supply Fan Motor Contactor Kits

**Table 8. Supply fan motor contactor kit application**

Component	Qty	HP	Volt	VFD Bypass
017403800100	1	3	200	No
017403800100	3	3	200	Yes
017403800100	1	3	230	No
017403800100	3	3	230	Yes
017403800100	1	3	460	No
017403800100	3	3	460	Yes
017403800100	1	3	575	No
017403800100	3	3	575	Yes
017403800100	1	5	200	No
017403800100	3	5	200	Yes
017403800100	1	5	230	No
017403800100	3	5	230	Yes
017403800100	1	5	460	No
017403800100	3	5	460	Yes
017403800100	1	5	575	No
017403800100	3	5	575	Yes
017403800100	1	7.5	200	No
017403800100	3	7.5	200	Yes
017403800100	1	7.5	230	No
017403800100	3	7.5	230	Yes
017403800100	1	7.5	460	No

**Table 8. Supply fan motor contactor kit application (continued)**

Component	Qty	HP	Volt	VFD Bypass
017403800100	3	7.5	460	Yes
017403800100	1	7.5	575	No
017403800100	3	7.5	575	Yes
017403800100	1	10	230	No
017403800100	3	10	230	Yes
017403800100	1	10	460	No
017403800100	3	10	460	Yes
017403800100	1	10	575	No
017403800100	3	10	575	Yes
017403820100	1	15	200	No
017403820100	3	15	200	Yes
017403810100	1	15	230	No
017403810100	3	15	230	Yes
017403800100	1	15	460	No
017403800100	3	15	460	Yes
017403800100	1	15	575	No
017403800100	3	15	575	Yes
017403820100	1	20	200	No
017403820100	3	20	200	Yes
017403820100	1	20	230	No
017403820100	3	20	230	Yes
017403810100	1	20	460	No
017403810100	3	20	460	Yes
017403800100	1	20	575	No
017403800100	3	20	575	Yes
017403830100	1	25	230	No
017403830100	3	25	230	Yes
017403810100	1	25	460	No
017403810100	3	25	460	Yes
017403800100	1	25	575	No
017403800100	3	25	575	Yes
017403830100	1	30	230	No
017403830100	3	30	230	Yes
017403810100	1	30	460	No
017403810100	3	30	460	Yes
017403810100	1	30	575	No
017403810100	3	30	575	Yes
017403830100	1	40	230	No
017403830100	3	40	230	Yes
017403820100	1	40	460	No
017403820100	3	40	460	Yes
017403810100	1	40	575	No
017403810100	3	40	575	Yes
017403840100	1	50	230	No
017403840100	3	50	230	Yes
017403830100	1	50	460	No
017403830100	3	50	460	Yes
017403840100	1	60	230	No
017403840100	3	60	230	Yes
017403830100	1	60	460	No
017403830100	3	60	460	Yes



**Location of Parts**

**Filter Drier Kits**

*Note: The filter driers should be replaced when the refrigeration system is open.*

**Table 9. Filter drier kits**

R'newal Kit	Part Number	Qty	Description
017403500100	DHY00154	1	<b>DRIER; FILTER EK165S, CSC R'NEWAL</b> DRIER; FILTER, LIQUID LINE, TYPE 165S, 5/8 ODF (EK165S), R-410A COMPATIBLE
017403510100	DHY00161	1	<b>DRIER; FILTER EK-305S, CSC R'NEWAL</b> DRIER; FILTER/LIQUID LINE TYPE 305S, 5/8 ODF (EK-305S)
017403520100	DHY00820	1	<b>DRIER; FILTER EK307S, CSC R'NEWAL</b> DRIER; LIQUID LINE FILTER-DRIER (EK307S)
017403530100	DHY00172	1	<b>DRIER; FILTER EK-757S, CSC R'NEWAL</b> DRIER; FILTER/LIQUID LINE TYPE 757S, 7/8 ODF (EK-757S)
017403540100	DHY00155	1	<b>DRIER; FILTER EK-167S, CSC R'NEWAL</b> DRIER; FILTER/LIQUID LINE 167S, 7/8 ODF (EK-167S), R-410A COMPATIBLE
017403570100	DHY01495	1	<b>DRIER; FILTER SOLID CORE, CSC R'NEWAL</b> DRIER; FILTER DRIER, .63 ODS X .75 ODS, SOLID CORE
017403580100	DHY00170	1	<b>DRIER; FILTER EK417S, CSC R'NEWAL</b> DRIER; FILTER (EK417S)

**Table 10. SWUA compressor and filter drier application**

Compressor Type	Tons	200 PWS				230 PWS				460 PWS			
		Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
M	20	017403200100	1	017403500100	1	017403210100	1	017403500100	1	017403010100	1	017403500100	1
M	25	017403030100	1	017403510100	1	017403060100	1	017403510100	1	017403020100	1	017403510100	1
R	25	NA				NA				NA			
M	30	017403050100	1	017403510100	1	017403070100	1	017403510100	1	017403040100	1	017403510100	1
R	30	NA				NA				NA			
M	40	NA				NA				NA			
R	40	017403080100	1	017403580100	1	017403090100	1	017403580100	1	017403100100	1	017403580100	1
R	50	017403110100	1	017403530100	1	017403120100	1	017403530100	1	017403130100	1	017403530100	1
R	60	017403140100	1	017403530100	1	NA				017403150100	1	017403530100	1

Compressor Type	Tons	575 PWS				460 XL				575 XL			
		Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
M	20	017403220100	1	017403500100	1	017403010100	1	017403500100	1	017403220100	1	017403500100	1
M	25	017403160100	1	017403510100	1	017403020100	1	017403510100	1	017403160100	1	017403510100	1
R	25	NA				017403150100	1	017403530100	1	NA			
M	30	017403170100	1	017403510100	1	017403040100	1	017403510100	1	017403170100	1	017403510100	1
R	30	NA				017403150100	1	017403530100	1	NA			
M	40	NA				NA				017403170100	1	017403510100	1
R	40	017403180100	1	017403510100	1	017403100100	1	017403580100	1	017403180100	1	017403510100	1
R	50	NA				017403130100	1	017403530100	1	017403190100	1	017403510100	1
R	60	NA				017403150100	1	017403530100	1	NA			

**Note:** PWS = Part winding start; XL = Across the line start.

**Table 11. SWUD compressor and filter drier application**

Tons	200				230			
	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
20	017403240100	2	017403540100	2	017403250100	2	017403540100	2
22	017403240100	2	017403540100	2	NA			
25	017403240100	2	017403540100	2	017403250100	2	017403540100	2
29	017403240100	1	017403540100	1	017403250100	1	017403540100	1
	017403280100	1	017403580100	1	017403290100	1	017403580100	1
32	017403240100	1	017403540100	1	NA			
	017403280100	1	017403580100	1	NA			
35	017403240100	3	017403540100	3	NA			
38	017403240100	3	017403540100	3	017403250100	3	017403540100	3
42	017403240100	2	017403540100	2	NA			
	017403280100	1	017403580100	1	NA			
46	017403240100	2	017403540100	2	017403250100	2	017403540100	2
	017403280100	1	017403580100	1	017403290100	1	017403580100	1
52	017403280100	3	017403580100	3	017403290100	3	017403580100	3
58	017403280100	3	017403580100	3	NA			
65	017403240100	1	017403540100	1	017403250100	1	017403540100	1
	017403280100	3	017403580100	3	017403290100	3	017403580100	3
72	017403240100	1	017403540100	1	NA			
	017403280100	3	017403580100	3	NA			
80	017403280100	4	017403580100	4	NA			

Tons	460				575			
	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
20	017403260100	2	017403540100	2	017403270100	2	017403540100	2
22	017403260100	2	017403540100	2	017403270100	2	017403540100	2
25	017403260100	2	017403540100	2	017403270100	2	017403540100	2
29	017403260100	1	017403540100	1	017403270100	1	017403540100	1
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
32	017403260100	1	017403540100	1	017403270100	1	017403540100	1
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
35	017403260100	3	017403540100	3	017403270100	3	017403540100	3
38	017403260100	3	017403540100	3	017403270100	3	017403540100	3
42	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
46	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
52	017403300100	3	017403580100	3	017403310100	3	017403580100	3
58	017403300100	3	017403580100	3	017403310100	3	017403580100	3
65	017403260100	1	017403540100	1	NA			
	017403300100	3	017403580100	3	NA			
72	017403260100	1	017403540100	1	NA			
	017403300100	3	017403580100	3	NA			
80	017403300100	4	017403580100	4	017403310100	4	017403580100	4



**Location of Parts**

**Table 12. SCWD compressor and filter drier applications**

Tons	200				230			
	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
20	017403240100	2	017403540100	2	017403250100	2	017403540100	2
22	017403240100	2	017403540100	2	NA			
25	017403240100	2	017403540100	2	017403250100	2	017403540100	2
29	017403240100	1	017403540100	1	NA			
	017403280100	1	017403580100	1				
32	017403240100	1	017403540100	1	NA			
	017403280100	1	017403580100	1				
35	017403240100	3	017403540100	3	NA			
38	017403240100	3	017403540100	3	017403250100	3	017403540100	3
42	017403240100	2	017403540100	2	017403250100	2	017403540100	2
	017403280100	1	017403580100	1	017403290100	1	017403580100	1
46	017403240100	2	017403540100	2	NA			
	017403280100	1	017403580100	1				
52	017403280100	3	017403580100	3	NA			
58	017403280100	3	017403580100	3	017403290100	3	017403580100	3
65	017403240100	1	017403540100	1	NA			
	017403280100	3	017403580100	3				
72	017403240100	1	017403540100	1	NA			
	017403280100	3	017403580100	3				
80	017403280100	4	017403580100	4	NA			

Tons	460				575			
	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
20	017403260100	2	017403540100	2	017403270100	2	017403540100	2
22	017403260100	2	017403540100	2	NA			
25	017403260100	2	017403540100	2	017403270100	2	017403540100	2
29	017403260100	1	017403540100	1	017403270100	1	017403540100	1
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
32	017403260100	1	017403540100	1	017403270100	1	017403540100	1
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
35	017403260100	3	017403540100	3	017403270100	3	017403540100	3
38	017403260100	3	017403540100	3	017403270100	3	017403540100	3
42	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
46	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	017403300100	1	017403580100	1	017403310100	1	017403580100	1
52	017403300100	3	017403580100	3	017403310100	3	017403580100	3
58	017403300100	3	017403580100	3	017403310100	3	017403580100	3
65	017403260100	1	017403540100	1	017403270100	1	017403540100	1
	017403300100	3	017403580100	3	017403310100	3	017403580100	3
72	017403260100	1	017403540100	1	017403270100	1	017403540100	1
	017403300100	3	017403580100	3	017403310100	3	017403580100	3
80	017403300100	4	017403580100	4	017403310100	4	017403580100	4

**Table 13. SCRD compressor and filter drier application**

Tons	200				230			
	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
20	017403240100	2	017403540100	2	NA			
25	017403240100	1	017403540100	1	017403250100	1	017403540100	1
	017403280100	1	017403580100	1	017403290100	1	017403580100	1
29	017403240100	1	017403540100	1	NA			
	017403280100	1	017403580100	1	NA			
30	NA				NA			
35	017403240100	3	017403540100	3	NA			
40	017403240100	2	017403540100	2	NA			
	017403280100	1	017403580100	1	NA			
50	017403280100	3	017403580100	3	017403290100	3	017403580100	3
60	017403280100	4	017403580100	4	017403290100	4	017403580100	4

Tons	460				575			
	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
20	017403260100	2	017403540100	2	NA			
25	017403260100	1	017403540100	1	NA			
	017403300100	1	017403580100	1	NA			
29	017403260100	1	017403540100	1	NA			
	017403300100	1	017403580100	1	NA			
30	017403260100	3	017403540100	3	NA			
35	017403260100	3	017403540100	3	NA			
40	017403260100	2	017403540100	2	NA			
	017403300100	1	017403580100	1	NA			
50	017403300100	3	017403580100	3	NA			
60	017403300100	4	017403580100	4	017403310100	4	017403580100	4

**Table 14. SCWF compressor and filter drier application**

Refrigerant <sup>(a)</sup>	Tons	200				460				575			
		Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
N (R22)	20	017403240100	2	017403540100	2	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	22	017403240100	2	017403540100	2	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	25	017403240100	2	017403540100	2	017403260100	2	017403540100	2	017403270100	2	017403540100	2
	29	017403240100	1	017403540100	1	017403260100	1	017403540100	1	017403270100	1	017403540100	1
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	017403310100	1	017403580100	1
	32	017403240100	1	017403540100	1	017403260100	1	017403540100	1	017403270100	1	017403540100	1
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	017403310100	1	017403580100	1
	35	017403240100	3	017403540100	3	017403260100	3	017403540100	3	017403270100	3	017403540100	3
	38	017403240100	3	017403540100	3	017403260100	3	017403540100	3	017403270100	3	017403540100	3
	42	017403240100	2	017403540100	2	017403260100	2	017403540100	2	017403270100	2	017403540100	2
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	017403310100	1	017403580100	1
	46	017403240100	2	017403540100	2	017403260100	2	017403540100	2	017403270100	2	017403540100	2
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	017403310100	1	017403580100	1
	52	017403280100	3	017403580100	3	017403300100	3	017403580100	3	017403310100	3	017403580100	3
	58	017403280100	3	017403580100	3	017403300100	3	017403580100	3	017403310100	3	017403580100	3
	65	017403240100	1	017403540100	1	017403260100	1	017403540100	1	017403270100	1	017403540100	1
		017403280100	3	017403580100	3	017403300100	3	017403580100	3	017403310100	3	017403580100	3
	72	017403240100	1	017403540100	1	017403260100	1	017403540100	1	017403270100	1	017403540100	1
		017403280100	3	017403580100	3	017403300100	3	017403580100	3	017403310100	3	017403580100	3
	80	017403280100	4	017403580100	4	017403300100	4	017403580100	4	017403310100	4	017403580100	4
	85	NA				017403300100	5	017403580100	5	NA			
	90	NA				017403300100	5	017403580100	5	NA			
100	NA				017403260100	2	017403540100	2	NA				
	NA				017403300100	4	017403580100	4	NA				
110	NA				017403300100	6	017403580100	6	NA				



**Location of Parts**

**Table 14. SCWF compressor and filter drier application (continued)**

Refrigerant <sup>(a)</sup>	Tons	200				460				575			
		Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
P (R22 - High Capacity)	25	NA				017403260100	2	017403540100	2	017403270100	2	017403540100	2
	32	017403240100	1	017403540100	1	017403260100	1	017403540100	1	NA			
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	NA			
	38	017403240100	3	017403540100	3	017403260100	3	017403540100	3	017403270100	3	017403540100	3
	46	017403240100	2	017403540100	2	017403260100	2	017403540100	2	NA			
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	NA			
	58	017403280100	3	017403580100	3	017403300100	3	017403580100	3	NA			
	72	017403240100	1	017403540100	1	017403260100	1	017403540100	1	NA			
		017403280100	3	017403580100	3	017403300100	3	017403580100	3	NA			
	90	NA				017403300100	5	017403580100	5	NA			
100	NA				017403260100	2	017403540100	2	NA				
	NA				017403300100	4	017403580100	4	NA				
110	NA				017403300100	6	017403580100	6	NA				
R (407C)	20	017403360100	2	017403550100	2	017403320100	2	017403550100	2	017403340100	2	017403550100	2
	22	NA				017403320100	2	017403550100	2	NA			
	25	017403360100	2	017403550100	2	017403320100	2	017403550100	2	NA			
	29	NA				017403320100	1	017403550100	1	NA			
		NA				017403330100	1	017403520100	1	NA			
	32	NA				017403320100	1	017403550100	1	NA			
		NA				017403330100	1	017403520100	1	NA			
	35	017403360100	3	017403550100	3	017403320100	3	017403550100	3	NA			
	38	017403360100	3	017403550100	3	017403320100	3	017403550100	3	017403340100	3	017403550100	3
	42	017403360100	2	017403550100	2	017403320100	2	017403550100	2	017403340100	2	017403550100	2
		017403370100	1	017403520100	1	017403330100	1	017403520100	1	017403350100	1	017403520100	1
	46	017403360100	2	017403550100	2	017403320100	2	017403550100	2	017403340100	2	017403550100	2
		017403370100	1	017403520100	1	017403330100	1	017403520100	1	017403350100	1	017403520100	1
	52	017403370100	3	017403520100	3	017403330100	3	017403520100	3	NA			
	58	017403370100	3	017403520100	3	017403330100	3	017403520100	3	NA			
	65	017403360100	1	017403550100	1	017403320100	1	017403550100	1	017403340100	1	017403550100	1
		017403370100	3	017403520100	3	017403330100	3	017403520100	3	017403350100	3	017403520100	3
	72	017403360100	1	017403550100	1	017403320100	1	017403550100	1	NA			
		017403370100	3	017403520100	3	017403330100	3	017403520100	3	NA			
	80	017403370100	4	017403520100	4	017403330100	4	017403520100	4	017403350100	4	017403520100	4
85	NA				017403300100	5	017403580100	5	NA				
90	NA				017403330100	5	017403520100	5	NA				
C0	NA				017403320100	2	017403550100	2	NA				
	NA				017403330100	4	017403520100	4	NA				
T (407C)	25	NA				017403320100	2	017403550100	2	NA			
	32	017403360100	1	017403550100	1	017403320100	1	017403550100	1	NA			
		017403370100	1	017403520100	1	017403330100	1	017403520100	1	NA			
	38	017403360100	3	017403550100	3	017403320100	3	017403550100	3	NA			
	46	017403360100	2	017403550100	2	017403320100	2	017403550100	2	NA			
		017403370100	1	017403520100	1	017403330100	1	017403520100	1	NA			
	58	017403370100	3	017403520100	3	017403330100	3	017403520100	3	017403350100	3	017403520100	3
	72	017403360100	1	017403550100	1	017403320100	1	017403550100	1	NA			
017403370100		3	017403520100	3	017403330100	3	017403520100	3	NA				
90	NA				017403330100	5	017403520100	5	NA				
C0	NA				017403320100	2	017403550100	2	NA				
					017403330100	4	017403520100	4	NA				

(a) Refer to original unit model number for refrigerant circuit configuration.  
 The model number breakdown is: Digit 5 - Refrigerant Circuit Configuration  
 N = Independent - R22  
 M = Manifolded - R22  
 P = Independent - R22 - High Capacity  
 R = Independent - 407C  
 T = Independent - 407C



**Table 15. SCRF compressor and filter drier application**

Refrigerant <sup>(a)</sup>	Tons	200				460				575			
		Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty	Compressor	Qty	Filter Drier	Qty
N (R22)	20	017403240100	2	017403540100	2	017403260100	2	017403540100	2	NA			
	25	017403240100	1	017403540100	1	017403260100	1	017403540100	1	NA			
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	NA			
	29	017403240100	1	017403540100	1	017403260100	1	017403540100	1	017403270100	1	017403540100	1
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	017403310100	1	017403580100	1
M (R22 Manifolded)	30	017403240100	3	017403540100	3	017403260100	3	017403540100	3	NA			
	35	017403240100	3	017403540100	3	017403260100	3	017403540100	3	NA			
	40	017403240100	2	017403540100	2	017403260100	2	017403540100	2	NA			
		017403280100	1	017403580100	1	017403300100	1	017403580100	1	NA			
	50	017403280100	3	017403580100	3	017403300100	3	017403580100	3	NA			
	60	017403280100	4	017403580100	4	017403300100	4	017403580100	4	NA			
R (407C)	20	NA				NA				017403340100	2	017403550100	2
	25	017403360100	1	017403550100	1	017403320100	1	017403550100	1	NA			
		017403370100	1	017403520100	1	017403330100	1	017403520100	1	NA			
	35	017403360100	3	017403550100	3	017403320100	3	017403550100	3	NA			
	40	017403360100	1	017403550100	1	017403320100	2	017403550100	2	NA			
		017403370100	2	017403520100	2	017403330100	1	017403520100	1	NA			
	50	NA				017403330100	3	017403520100	3	017403350100	3	017403520100	3
	60	017403370100	4	017403520100	4	017403330100	4	017403520100	4	NA			

(a) Refer to original unit model number for refrigerant circuit configuration.  
 The model number breakdown is: Digit 5 - Refrigerant Circuit Configuration  
 N = Independent - R22  
 M = Manifolded - R22  
 P = Independent - R22 - High Capacity  
 R = Independent - 407C  
 T = Independent - 407C

## High-Low Pressure Switch Kits

**Table 16. High-low pressure switch kits**

R'newal Kit	Part Number	Qty	Description
017405700100	CNT00593	1	<b>CONTROL; HI/LO PRESSURE, 270 OP/190 CL CSC R'NEWAL</b> CONTROL; PRESS, HIGH, OPEN 270 PSI, CLOSE 190 PSI, 0.12 NPTE MALE PORT, 72IN. LEADS
	CNT01317	1	CONTROL; PRESS, OPEN 7, CLOSE 22 PSI, SPST (COMPRESSOR PROTECTION SWITCH)
017405710100	SWT00487	1	<b>CONTROL; HI/LO PRESSURE, 270 OP/210 CL CSC R'NEWAL</b> SWITCH;HIGH PRESSURE, CUTOFF, 120/240VAC, OPEN: 270 PSIG, CLOSE: 210 PSIG, -65 TO 275 DEG F
	CNT00542	1	CONTROL; LOW PRESSURE, 20 OPEN/ 50 CLOSE, 115/240 V, SPST, 0.25 SAE FLARE, 48" LEADS
017405720100	CNT01087	1	<b>CONTROL; HI/LO PRESSURE, 360 OP/270 CL CSC R'NEWAL</b> CONTROL; HIGH PRESSURE CUTOFF, 120/240 VAC, OPEN: 360 PSIG, CLOSE: 270 PSIG
	CNT01086	1	CONTROL; LOW PRESSURE CUTOFF, 120/240 VAC, OPEN: 20 PSIG, CLOSE: 35 PSIG
017405730100	CNT03282	1	<b>CONTROL; HI/LO PRESSURE, 360 OP/270 CL CSC R'NEWAL</b> CONTROL; HI-PRESSURE CUTOFF, OPEN 360/CLOSE 270
	CNT01086	1	CONTROL; LOW PRESSURE CUTOFF, 120/240 VAC, OPEN: 20 PSIG, CLOSE: 35 PSIG
017405740100	CNT03283	1	<b>CONTROL; HI/LO PRESSURE, 405 OP/300 CL CSC R'NEWAL</b> CONTROL; HI-PRESSURE CUTOFF, OPEN 405/CLOSE 300
	CNT03270	1	CONTROL; LOW PRESSURE, 12 OPEN/27 CLOSE
017405750100	CNT03305	1	<b>CONTROL; HI/LO PRESSURE, 380 OP/290 CL CSC R'NEWAL</b> CONTROL; HIGH PRESSURE, 380 OPEN/290 CLOSE
	CNT01086	1	CONTROL; LOW PRESSURE CUTOFF, 120/240 VAC, OPEN: 20 PSIG, CLOSE: 35 PSIG



## Location of Parts

**Table 17. High-low pressure switch application**

Model	Tons	Component	Qty
SWUD	20, 22, 25, 29, 32	017405720100	2
SWUD	35, 38, 42, 46, 52, 58	017405720100	3
SWUD	65, 72, 80	017405720100	4
SCWF	20, 22, 25, 29, 32	017405730100	2
SCWF	35, 38, 42, 46, 52, 58	017405730100	3
SCWF	65, 72, 80	017405730100	4
SCWF	90	017405730100	5
SCWF	100, 110	017405730100	6
SCWD	20, 22, 25, 29, 32	017405720100	2
SCWD	35, 38, 42, 46, 52, 58	017405720100	3
SCWD	65, 72, 80	017405720100	4
SCRD	20, 25, 29	017405720100	2
SCRD	30, 35, 40, 50	017405720100	3
SCRD	60	017405720100	4
SCRF	20, 25, 29, 30, 35, 40, 50, 60	017405740100	2
SCRF	30, 35, 40, 50	017405750100	1
SCRF	60	017405750100	2
SWUA	Any	017405700100	1

Model	DSEQ	Tons	Component	Qty
SWUA	D	30	017405710100	2
SWUA	D	50	017405710100	3
SWUA	D	60	017405710100	4

## Controls Kits

**Note:** The phase monitor kit 017405830100 is provided for unit types SWUA, SCWF, and SCRF. See [Figure 1](#), p. 24 for wiring details.

**Table 18. Controls kits**

R'newal Kit	Part Number	Qty	Description
017405800100	SWT00106	1	<b>CONTROLS;KIT 125/250V CSC R'NEWAL</b> SWITCH;DIFFERENTIAL PRESSURE, SPDT, -40 TO 150 DEG F, 125/250 VAC, 10/8 AMP, 1/8/1/4 HP AT125/250 VAC, RANGE: 0.25- 2.0IN. W.C.
	CNT01312	1	CONTROL; MOTOR PROTECTOR & OIL PRESSURE, 0.2 TO 0.5 SEC RESET
017405810100	SWT02382	1	<b>CONTROLS;KIT 120/240V CSC R'NEWAL</b> SWITCH; DIFFERENTIAL PRESSURE, SPDT, 120/240 VAC
	SEN01464	1	SENSOR; PRESSURE; LOW DIFFERENTIAL; 5VDC; PRESSURE INPUT: 0 - 5" W.C., NO CONNECTOR
017405820100	CNT04990	1	<b>CONTROLS;KIT 24V CSC R'NEWAL</b> CONTROL; AIR PRESSURE; 0.26 IN WC, 28VA @ 24V SPST POSITIVE PRESSURE CONNECTOR W/MTG BRACKET
	KIT15391	1	KIT; REPLACEMENT OF METAL FAN PROVING SWITCH WITH NEW PLASTIC FAN PROVING SWITCH, KIT CONTAINS PLASTIC TUBING AND INSTRUCTIONS
	SEN01465	1	SENSOR; PRESSURE LOW DIFFERENTIAL, 5VDC, PRESSURE INPUT, 0 - 5" W.C., W/CONNECTOR
017405830100	MON00046	1	<b>CONTROLS; PHASE MONITOR CSC R'NEWAL</b> MONITOR; PHASE MONITOR, 3 PHASE PROTECTION RELAY, 115 VOLTS, 50/60 HZ, 30 AMP

**Table 19. Controls kit application**

Model	Component	Qty
SWUA	017405800100	1
SWUD,SCWD,SCRD	017405810100	1
SCWF, SCRF	017405820100	1
SWUA, SCWF, SCRF	017405830100	1

## Motor Kits

**Note:** Supply fan motors are ordered as optional. All motors are inverter duty unless noted below and can be used with existing or new frequency drive.

**Table 20. Motor kits**

R'newal Kit	Part Number	Qty	Description
017402500100	MOT01353 <sup>(a)</sup>	1	<b>MOTOR; 3 H.P., 200/208/60/3, CSC R'NEWAL</b> MOTOR; FAN, 3 H.P., 200/208 60 3, 182 T FR, 1750 RPM
017402510100	MOT02136 <sup>(a)</sup>	1	<b>MOTOR; 3 H.P., 230/460 HI EFF-ODP, CSC R'NEWAL</b> MOTOR; 3 HP, 230/460/3, HI EFF-ODP F1, 182T FR, 1800 RPM, EISA
017402520100	MOT02139 <sup>(a)</sup>	1	<b>MOTOR; 5 H.P., 200/208 HE-ODP, CSC R'NEWAL</b> MOTOR, 5 HP, 200-208/60/3, HE-ODP, 184T, 1800 RPM, F1, EISA
017402530100	MOT06741 <sup>(a)</sup>	1	<b>MOTOR; 5HP, 230/460/60/3 ODP, CSC R'NEWAL</b> MOTOR; 5HP, 230/460/60/3 ODP, E184T, 1800 RPM, F1, EISA
017402540100	MOT10674	1	<b>MOTOR; 7.5 HP, 200-208V, ODP, PREM EFF, CSC R'NEWAL</b> MOTOR; 7.5 HP, 1800 RPM, 213T, 200-208V, F1, ODP, PREMIUM EFFICIENCY, EISA
017402550100	MOT06743	1	<b>MOTOR; 7.5 HP, 230/460/60/3, ODP, CSC R'NEWAL</b> MOTOR; 7.5 HP, 230/460/60/3, ODP, 1800 RPM, F1, EISA
017402560100	MOT06744	1	<b>MOTOR; 7.5 HP, 230/460/ 60/3, ODP, CSC R'NEWAL</b> MOTOR; 7.5 HP, 230/460/ 60/3, ODP, D213T, 1800 RPM, F2
017402570100	MOT02147	1	<b>MOTOR; 200-208/60/3, HE-ODP, 10 HP, CSC R'NEWAL</b> MOTOR; 200-208/60/3, HE-ODP, 215T, 1800 RPM, F1, 10 HP, EISA
017402580100	MOT13945	1	<b>MOTOR; 10 HP, 230/460V, ODP, CSC R'NEWAL</b> MOTOR; 10 HP, 1800 RPM, 215T, 230/460V, F1, ODP, EISA
017402590100	MOT02520	1	<b>MOTOR; 200-208/60/3, HE-ODP, 15 HP, CSC R'NEWAL</b> MOTOR; 200-208/60/3, HE-ODP, 254T, 1140 RPM, F1, 15 HP, EISA
017402600100	MOT11518	1	<b>MOTOR; 15 HP, 230/460/ 60/3, ODP, CSC R'NEWAL</b> MOTOR; 15 HP, 1800 RPM, 254T, 230/460 V, INVERTER DUTY
017402610100	MOT10677	1	<b>MOTOR; 20 HP, 200-208V, ODP, PREM EFF, CSC R'NEWAL</b> MOTOR; 20 HP, 1800 RPM, 256T, 200-208V, F1, ODP, PREMIUM EFFICIENCY, EISA
017402620100	MOT06749	1	<b>MOTOR; 20 HP, 230/460/ 60/3, ODP, CSC R'NEWAL</b> MOTOR; 20 HP, 230/460/ 60/3, 256T, 1800 RPM, ODP, F1, EISA
017402630100	MOT02159	1	<b>MOTOR; 25 HP, 200-208/60/3, HE-ODP, CSC R'NEWAL</b> MOTOR; 25 HP, 200-208/60/3, HE-ODP, 284T, 1800 RPM, F1
017402640100	MOT06751	1	<b>MOTOR; 25 HP, 230/460/60/3, ODP, CSC R'NEWAL</b> MOTOR; 25 HP, 230/460/60/3, ODP, 284T, 1800 RPM, F1, EISA
017402650100	MOT02163	1	<b>MOTOR; 30 HP, 200-208/60/3, HE-ODP, CSC R'NEWAL</b> MOTOR; 30 HP, 200-208/60/3, HE-ODP, 286T, 1800 RPM, F1
017402660100	MOT14460	1	<b>MOTOR; 30 HP, 230/460/60/3, ODP, CSC R'NEWAL</b> MOTOR; 30 HP, 230/460/60/3, 1800 RPM, 286T, ODP, F1, EISA
017402670100	MOT02165	1	<b>MOTOR; 40 HP, 200-208/60/3, HE-ODP, CSC R'NEWAL</b> MOTOR; 40 HP, 200-208/60/3, HE-ODP, 324T, 1800 RPM, F1
017402680100	MOT13432	1	<b>MOTOR; 40HP, 200-230/460V/60/3, ODP, CSC R'NEWAL</b> MOTOR; 40HP, 200-230/460V/60/3, 1800RPM, 324T, ODP, EISA
017402690100	MOT14077	1	<b>MOTOR; 50HP, 230/460/60/3, ODP, HI EFF, CSC R'NEWAL</b> MOTOR; 50HP, 230/460/60/3, ODP, HI EFFICIENCY, 326T FR, EISA
017402700100	MOT10505	1	<b>MOTOR; 60 HP, 230/460/60/3, ODP, CSC R'NEWAL</b> MOTOR; 60 HP, 230/460/60/3, 1775 RPM, ODP, FRAME 364T, EISA
017402710100	MOT10704 <sup>(a)</sup>	1	<b>MOTOR; 3 HP, 575V, ODP, PREM EFF, CSC R'NEWAL</b> MOTOR; 3 HP, 1800 RPM, 182T, 575V, F1, ODP, PREMIUM EFFICIENCY, EISA
017402720100	MOT09747 <sup>(a)</sup>	1	<b>MOTOR; 5 HP, 575/60/3, ODP, CSC R'NEWAL</b> MOTOR; 5 HP, 575/60/3, 1740 RPM, 184T FRAME, ODP
017402730100	MOT03785 <sup>(a)</sup>	1	<b>MOTOR, 7.5 HP, 575/60/3, CSC R'NEWAL</b> MOTOR, 7.5 HP, 575/60/3, 1800 RPM, 213T FR
017402740100	MOT03788 <sup>(a)</sup>	1	<b>MOTOR; 10 HP, 575/60/3, ODP, E-PLUS, CSC R'NEWAL</b> MOTOR; 215T FRAME, 575/60/3, 1800RPM, ODP, E-PLUS, 10HP
017402750100	MOT15251 <sup>(a)</sup>	1	<b>MOTOR; 15 HP, 575/60/3, ODP, E-PLUS, CSC R'NEWAL</b> MOTOR; 15 HP 575/60/3 1800RPM 254T FRAME ODP E-PLUS



## Location of Parts

**Table 20. Motor kits (continued)**

R'newal Kit	Part Number	Qty	Description
017402760100	MOT08508 <sup>(a)</sup>	1	<b>MOTOR; 20 HP, 575/60/3, ODP, E-PLUS, CSC R'NEWAL</b> MOTOR; 256T FRAME, 575/60/3, 1800RPM, ODP, E-PLUS, 20 HP
017402770100	MOT03797 <sup>(a)</sup>	1	<b>MOTOR, 25 HP, 575/60/3, CSC R'NEWAL</b> MOTOR, 25 HP, 575/60/3, 1800 RPM, 284T FR
017402780100	MOT03833 <sup>(a)</sup>	1	<b>MOTOR, 30 HP, 575/60/3, ODP, CSC R'NEWAL</b> MOTOR, 30 HP, 575/60/3, 1800 RPM, 286T FRAME, CLASS B, OPEN DRIP PROOF
017402790100	MOT14412 <sup>(a)</sup>	1	<b>MOTOR; 40 HP, 575/60/3, ODP, CSC R'NEWAL</b> MOTOR; 40 HP, 575/60/3, 1770 RPM, S324T FRAME RIGID BASE, ODP, ALL BEARING, INSULATION CLASS F, REVERSIBLE, EISA
017402800100	MOT03842 <sup>(a)</sup>	1	<b>MOTOR; 575/60/3, ODP, E-PLUS, 50 HP, CSC R'NEWAL</b> MOTOR; 326T FRAME, 575/60/3, 1770RPM, ODP, E-PLUS, 50 HP

(a) Not inverter duty rated motors.

## Bearing Kits

**Note:** Bearing kits are optional.

**Table 21. Bearing kits**

R'newal Kit	Part Number	Qty	Description
017403600100	BRG00192	1	<b>BEARING; PILLOW BLOCK, 1.94, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL, STANDARD DUTY, 1.188IN. BORE, 4.750 MTG CENTER, 1.688 BASE SHAFT, CAST IRON HOUSING, ADAPTER GREASE FITTING, DOUBLE SS LOCKING DEVICE
	BRG00368	1	BEARING; PILLOW BLOCK, 1.94 BORE
017403610100	BRG01950	1	<b>BEARING; PILLOW BLOCK, CL5, CSC R'NEWAL</b> BEARING; BALL, CL5, PILLOW BLOCK
	BRG00358	1	BEARING; PILLOW BLOCK, 2.438 BORE
017403620100	BRG00688	1	<b>BEARING; PILLOW BLOCK, 1.69, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL, CLASS 5, 1.69 IN. BORE, .50 IN. BOLT SIZE
	BRG00358	1	BEARING; PILLOW BLOCK, 2.438 BORE
017403630100	BRG01548	2	<b>BEARING; PILLOW BLOCK, 1-1/2, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL,1 1/2 BORE, BOA SHAFT LOCK
017403640100	BRG01544	2	<b>BEARING; PILLOW BLOCK, 1-3/16, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL,1 3/16 BORE, BOA SHAFT LOCK
017403650100	BRG01546	1	<b>BEARING; PILLOW BLOCK, 1-7/16, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL,1 7/16 BORE, BOA SHAFT LOCK
	BRG01545	1	BEARING;PILLOW BLOCK, BALL,1 7/16 BORE, BOA SHAFT LOCK
017403660100	BRG01550	2	<b>BEARING; PILLOW BLOCK, 1-11/16, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL,1 11/16 BORE, BOA SHAFT LOCK
017403670100	BRG01555	1	<b>BEARING; PILLOW BLOCK, 2-3/16, CSC R'NEWAL</b> BEARING;PILLOW BLOCK, BALL,2 3/16 BORE, BOA SHAFT LOCK
	BRG01554	1	BEARING;PILLOW BLOCK, BALL,2 3/16 BORE, BOA SHAFT LOCK
017403680100	BRG01555	1	<b>BEARING; PILLOW BLOCK, 2-3/16, CSC R'NEWAL (2)</b> BEARING;PILLOW BLOCK, BALL,2 3/16 BORE, BOA SHAFT LOCK
	BRG00531	1	BEARING;PILLOW-BLOCK, BALL, MEDIUM DUTY, 2.188" BORE, 10.250 MTG CENTER, 3.500 BASE SHAFT, CAST IRON HOUSING, ALEMITE GREASE FITTING, SET SCREW LOCKING DEVICE

**Table 22. Bearing kit applications**

Development Sequence	Tons	Design Sequence	Supply Fan Options	Component	Qty
SWUA	20	A, B, C		017403630100	1
SWUA	20	J, K		017403640100	1
SWUA	25	A, B, C, D		017403630100	1
SWUA	25	J, K		017403650100	1
SWUA	30	A, B, C, D		017403660100	1
SWUA	30	J, K		017403650100	1
SWUA	40	A, B, C		017403660100	1
SWUA	40	J		017403630100	1
SWUA	50	B, C, D, J, K		017403670100	1

**Table 22. Bearing kit applications (continued)**

Development Sequence	Tons	Design Sequence	Supply Fan Options	Component	Qty
SWUA	60	A,B,C		017403680100	1
SWUA	60	D, J, K		017403670100	1
SWUD	22, 25, 29, 32, 35, 38			017403600100	1
SWUD	42, 46, 52, 58, 65, 72, 80			017403620100	1
SCWD	20, 22, 25, 29, 32, 35, 38			017403600100	1
SCWD	42, 46, 52, 58, 65, 72, 80			017403620100	1
SCRD	20, 25, 29, 30, 35			017403600100	1
SCRD	40, 50, 60			017403620100	1
SCWF	20, 22, 25, 29, 32, 35, 38		Standard Fan	017403600100	1
SCWF	32, 38, 46, 58, 72, 80, 85		Low CFM Fan	017403600100	1
SCWF	42, 46, 52, 58, 65, 72, 80, 85, 90, C0, C1		Standard Fan	017403610100	1
SCRF	20, 25, 29, 30, 35			017403600100	1
SCRF	40, 50, 60			017403610100	1

## Condenser Kits

**Note:** Water-cooled condenser kits are optional. One condenser is required with each compressor. These are long lead-time items.

**Table 23. Condenser kits**

R'newal Kit	Part Number	Qty	Description
017405350100	CDS01406	1	<b>CONDENSER; 10 TON, CU CSC R'NEWAL</b> CONDENSER; 10 TON, COPPER TUBES, PAINTED
017405360100	CDS01407	1	<b>CONDENSER; 15 TON, CU, CSC R'NEWAL</b> CONDENSER; 15 TON, COPPER TUBES, PAINTED
017405370100	CDS01408	1	<b>CONDENSER; 10 TON, CU NI, CSC R'NEWAL</b> CONDENSER; 10 TON, CU NI TUBES, PAINTED
017405380100	CDS01409	1	<b>CONDENSER; 15 TON, CU NI, CSC R'NEWAL</b> CONDENSER; 15 TON, CU NI TUBES, PAINTED
017405390100	CDS01420	1	<b>CONDENSER; 10TON, CU, IND, CSC R'NEWAL</b> CONDENSER; 10 TON, COPPER TUBES, INDUSTRIAL
017405400100	CDS01421	1	<b>CONDENSER; 15 TON, CU, IND, CSC R'NEWAL</b> CONDENSER; 15 TON, COPPER TUBES, INDUSTRIAL
017405410100	CDS01255	1	<b>CONDENSER; 10T, CU, R407C, CSC R'NEWAL</b> CONDENSER; 10T, W/COPPER TUBES R407C
017405420100	CDS01257	1	<b>CONDENSER; 15T, CU, R407C, CSC R'NEWAL</b> CONDENSER; 15T, W/COPPER TUBES, R407C
017405430100	CDS01258	1	<b>CONDENSER; 10T, CU NI, R407C, CSC R'NEWAL</b> CONDENSER; 15T, W/90/10 CUNI TUBES, R407C
017405440100	CDS01259	1	<b>CONDENSER; 15T, 90-110T SCWF, 20-25T SCWG, CSC R'NEWAL</b> CONDENSER; 15T STD 90-110T SCWF, 20-25T SCWG
017405450100	CDS01260	1	<b>CONDENSER; 10T 100T SCWF, 20-25T SCWG, CSC R'NEWAL</b> CONDENSER; 10T STD 100T SCWF, 20-25T SCWG
017405460100	CDS01398	1	<b>CONDENSER; 15 TON, CU, CSC R'NEWAL (2)</b> CONDENSER; 15 TON, COPPER TUBES, PAINTED
017405470100	CDS01399	1	<b>CONDENSER; 10 TON, CU, CSC R'NEWAL</b> CONDENSER; 10 TON, COPPER TUBES, PAINTED
017405480100	CDS01402	1	<b>CONDENSER; 15 TON, CU, CSC R'NEWAL (3)</b> CONDENSER; 15 TON, COPPER TUBES, PAINTED
017405490100	CDS01410	1	<b>CONDENSER; 10TON, CU NI, IND, CSC R'NEWAL</b> CONDENSER; 10 TON, CU NI TUBES, INDUSTRIAL
017405500100	CDS00259	1	<b>CONDENSER; 20 TON, CSC R'NEWAL</b> CONDENSER; 20 TON (67 X 17 X 19, 220 LB.)
017405510100	CDS00260	1	<b>CONDENSER; 25 TON, CSC R'NEWAL</b> CONDENSER; 25 TON (68 X 18 X 19, 295 LB.)



## Location of Parts

**Table 23. Condenser kits (continued)**

R'newal Kit	Part Number	Qty	Description
017405520100	CDS00262	1	<b>CONDENSER; 40 TON, CSC R'NEWAL</b> CONDENSER; 40 TON (72 X 22 X 22, 350 LB.)
017405530100	CDS00263	1	<b>CONDENSER; 50 TON, CSC R'NEWAL</b> CONDENSER; ASSEMBLY 50 TON (74 X 22 X 21, 430 LB.)
017405540100	CDS00264	1	<b>CONDENSER; 60 TON, CSC R'NEWAL</b> CONDENSER; 60 TON, 64.5 X 12 1/8
017405550100	CDS00389	1	<b>CONDENSER; 25 TON, CSC R'NEWAL (2)</b> CONDENSER;ASSEMBLY, 25 TON
017405570100	CDS00407	1	<b>CONDENSER; 25 TON, CSC R'NEWAL (3)</b> CONDENSER; 25 TON
017405580100	CDS00408	1	<b>CONDENSER; 25 TON, CSC R'NEWAL (4)</b> CONDENSER; 25 TON
017405590100	CDS00409	1	<b>CONDENSER; 30 TON, CSC R'NEWAL (2)</b> CONDENSER; 30 TON
017405600100	CDS00410	1	<b>CONDENSER; 30 TON, CSC R'NEWAL (3)</b> CONDENSER; 30 TON
017405610100	CDS00411	1	<b>CONDENSER; 40 TON, CSC R'NEWAL (2)</b> CONDENSER; 40 TON
017405620100	CDS00413	1	<b>CONDENSER; 50 TON, CSC R'NEWAL (2)</b> CONDENSER; 50 TON
017405630100	CDS00415	1	<b>CONDENSER; 60 TON, CSC R'NEWAL (2)</b> CONDENSER; 60 TON
017405640100	CDS00464	1	<b>CONDENSER; CSC R'NEWAL</b> CONDENSER;ASSEMBLY
017405650100	CDS00930	1	<b>CONDENSER: 30 TONS, 2 PASSES, 1 CIRCUIT, CSC R'NEWAL</b> CONDENSER: 30 TONS, 2 PASSES, 1 CIRCUIT, 6 IN. DIA. SHELL
017405670100	CDS00406	1	<b>CONDENSER; 20 TON</b> CONDENSER; 20 TON
017405680100	CDS00412	1	<b>CONDENSER; 40 TON</b> CONDENSER; 40 TON
017405690100	CDS00414	1	<b>CONDENSER; 50 TON</b> CONDENSER; 50 TON
017405340100	CDS00416	1	<b>CONDENSER; 60 TON</b> CONDENSER; 60 TON
017405330100	CDS01256	1	<b>CONDENSER; 10TON, CU NI, IND, CSC R'NEWAL</b> CONDENSER; 10T, W/90/10 CUNI TUBES, R407C

**Table 24. SWUD, SCWD Condenser kit application**

Model	Tons	Type	Component	Qty
SWUD, SCWD	29, 32, 65, 72	Standard	017405350100	1
SWUD, SCWD	20, 22, 25, 42, 46	Standard	017405350100	2
SWUD, SCWD	35, 38	Standard	017405350100	3
SWUD, SCWD	29, 32, 42, 46	Standard	017405360100	1
SWUD, SCWD	52, 58, 65, 72	Standard	017405360100	3
SWUD, SCWD	80	Standard	017405360100	4
SCWD	32, 65	CuNi	017405370100	1
SCWD	20, 25, 42, 46	CuNi	017405370100	2
SCWD	35	CuNi	017405370100	3
SCWD	32, 42	CuNi	017405380100	1
SCWD	52, 65	CuNi	017405380100	3

**Table 25. SCWF Condenser kit application**

Model	Tons	Refrigerant	Type	Component	Qty
SCWF	29, 32, 65, 72	R-22	Standard	017405350100	1
SCWF	20, 22, 25, 42, 46	R-22	Standard	017405350100	2
SCWF	35, 38	R-22	Standard	017405350100	3
SCWF	29, 32, 42, 46	R-22	Standard	017405360100	1
SCWF	52, 58, 65, 72	R-22	Standard	017405360100	3
SCWF	80	R-22	Standard	017405360100	4
SCWF	100	R-22	Standard	017405460100	1
SCWF	90	R-22	Standard	017405460100	2
SCWF	110	R-22	Standard	017405460100	3
SCWF	100	R-22	Standard	017405470100	2
SCWF	90, 100, 110	R-22	Standard	017405480100	3
SCWF	29, 32, 65, 72	R-407C	Standard	017405410100	1
SCWF	20, 22, 25, 42, 46	R-407C	Standard	017405410100	2
SCWF	35, 38	R-407C	Standard	017405410100	3
SCWF	29, 32, 42, 46	R-407C	Standard	017405420100	1
SCWF	52, 58, 65, 72	R-407C	Standard	017405420100	3

**Table 25. SCWF Condenser kit application (continued)**

Model	Tons	Refrigerant	Type	Component	Qty
SCWF	80	R-407C	Standard	017405420100	4
SCWF	100	R-407C	Standard	017405440100	4
SCWF	90	R-407C	Standard	017405440100	5
SCWF	110	R-407C	Standard	017405440100	6
SCWF	100	R-407C	Standard	017405450100	2
SCWF	29, 32, 65, 72	R-22	CuNi	017405370100	1
SCWF	20, 22, 25, 42, 46	R-22	CuNi	017405370100	2
SCWF	35, 38	R-22	CuNi	017405370100	3
SCWF	29, 32, 42, 46	R-22	CuNi	017405380100	1
SCWF	52, 58, 65, 72	R-22	CuNi	017405380100	3
SCWF	80	R-22	CuNi	017405380100	4
SCWF	42	R-407C	CuNi	017405330100	2
SCWF	38	R-407C	CuNi	017405330100	3
SCWF	42	R-407C	CuNi	017405430100	1

**Table 26. SWUA Condenser kit application**

Model	Tons	Water Pressure (psi)	Component	Qty
SWUA	20	150	017405500100	1
SWUA	25	150	017405510100	1
SWUA	40	150	017405520100	1
SWUA	50	150	017405530100	1
SWUA	60	150	017405540100	1
SWUA	30	150	017405560100	1
SWUA	20	250	017405550100	1
SWUA	25	250	017405570100	1
SWUA	30	250	017405590100	1
SWUA	40	250	017405610100	1
SWUA	50	250	017405620100	1
SWUA	60	250	017405630100	1
SWUA	25	350	017405580100	1
SWUA	30	350	017405600100	1
SWUA	40	350	017405610100	1
SWUA	50	350	017405620100	1
SWUA	60	350	017405630100	1

**Table 28. Drive kits**

R'newal Kit	Part Number	Qty	Description
017405950100	DRV00636	1	<b>DRIVE; VFD, 10 HP, 200-208V CSC R'NEWAL</b> DRIVE; VFD, 10.0 HP, 208V
017405960100	DRV00635	1	<b>DRIVE; VFD, 7.5 HP, 200-208V CSC R'NEWAL</b> DRIVE; VFD, 7.5 HP, 208V
017405970100	DRV00719	1	<b>DRIVE; VFD, 20 HP, 200-208V CSC R'NEWAL</b> DRIVE; VFD, 20 HP, 200-208V, W/INTERNAL FUSES
017405980100	DRV00724	1	<b>DRIVE; VFD, 30 HP, 200-208V CSC R'NEWAL</b> DRIVE; VFD, 30 HP, 200-208V, W/INTERNAL FUSES
017405990100	DRV00670	1	<b>DRIVE; VFD, 30 HP, 200-208V CSC R'NEWAL</b> DRIVE; VFD, 30 HP, 200-208V
017406000100	DRV00729	1	<b>DRIVE; VFD, 50 HP, 200-208V CSC R'NEWAL</b> DRIVE; VFD, 50 HP, 200-208V, W/INTERNAL FUSES
017406010100	DRV00633	1	<b>DRIVE; VFD, 10 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 10.0 HP, 380/460V
017406020100	DRV00637	1	<b>DRIVE; VFD, 15 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 15.0 HP, 380/460V

**Table 27. SWUA design sequence D condenser kit application**

Model	Tons	Component	Qty
SWUA	30	017405550100	1
SWUA	50	017405550100	1
SWUA	50	017405640100	1
SWUA	60	017405550100	2

**Drive Kits**

Drive kits are optional and are set up to replace Square D drives on SWUD, SCWF, SCRF, SCWD and SCRD units. For more information refer to latest version of PART-SVN117A-EN (*Installation: Conversion to Trane TR200 from ATV58 or ATV66*) and PART-SVB22B-EN (*General Service Bulletin: Variable Frequency Drive Replacement List*), or the most recent revisions.

*Part numbers shown are the latest part numbers at the time of publication of this literature.*

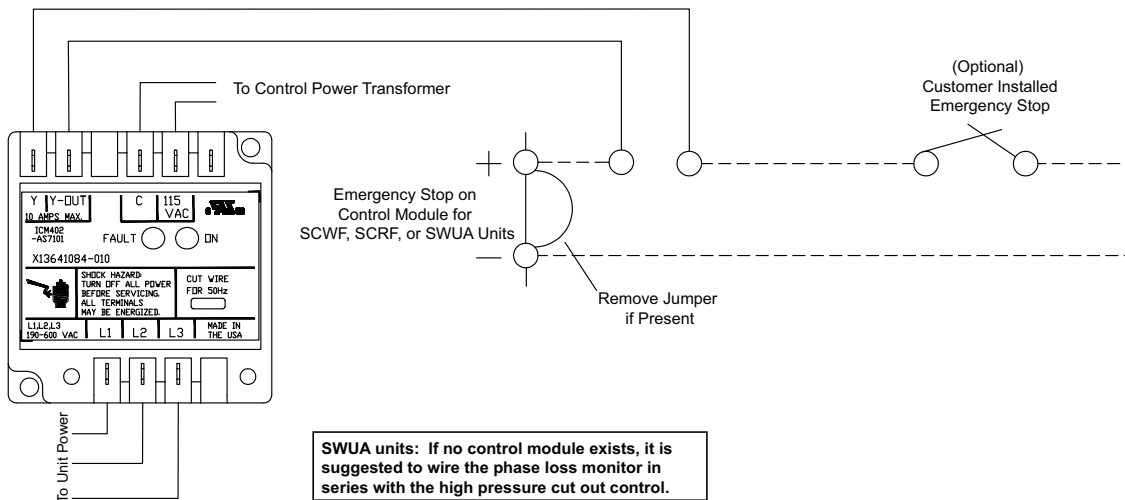
**Table 28. Drive kits (continued)**

R'newal Kit	Part Number	Qty	Description
017406030100	DRV00711	1	<b>DRIVE; VFD, 20 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 20 HP, 460V, W/INTERNAL FUSES
017406040100	DRV00713 <sup>(a)</sup>	1	<b>DRIVE; VFD, 25 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 25 HP, 460V, W/INTERNAL FUSES
017406050100	DRV00720	1	<b>DRIVE; VFD, 30 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 30 HP, 460V, W/INTERNAL FUSES
017406060100	DRV00657	1	<b>DRIVE; VFD, 40 HP, 460V CSC R'NEWAL</b> DRIVE; 40HP, 380-480VAC, NEMA 1, CLASS A2 RFI FILTER, GRAPHICAL DISPLAY, FUSE, TR-200P30KT4E21H2XGX7XXSXXXAXBXCXXXDX
017406070100	DRV00726	1	<b>DRIVE; VFD, 50 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 50 HP, 460V, W/INTERNAL FUSES
017406080100	DRV00727	1	<b>DRIVE; VFD, 60 HP, 460V CSC R'NEWAL</b> DRIVE; VFD, 60 HP, 460V, W/INTERNAL FUSES
017406150100	KIT15436	1	<b>KIT; REMOTE KEYPAD MOUNTING, KIT CSC R'NEWAL</b> KIT; REMOTE KEYPAD MOUNTING, KIT INCLUDES A GASKET, CLAMP AND CABLE (DOES NOT INCLUDE THE KEYPAD)
017406160100	KIT15434 X39000671010	1 1	<b>KIT; TR200 DRIVE INSTALLATION KIT, SMALL CSC R'NEWAL</b> KIT; TR200 DRIVE INSTALLATION KIT, SMALL LABEL
017406170100	KIT15435 X39000671010	1 1	<b>KIT; TR200 DRIVE INSTALLATION KIT, LARGE CSC R'NEWAL</b> KIT; TR200 DRIVE INSTALLATION KIT, LARGE LABEL

(a) Additional parts may be required for this application. For more information, refer to PART-SVB22B-EN (or the most recent revision).

**Diagrams**

**Figure 1. Typical phase monitor wiring for Commercial Self-Contained units**



The phase monitor module interfaces with the existing unit in three places. Terminals labeled L1, L2, and L3 should be connected to the three-phase power entering the unit (after the unit disconnect if present). The terminal labeled 115 Vac should be wired to the hot leg of the control power transformer (CPT), while the terminal labeled C should be wired to the neutral leg of the CPT. Terminals Y and Y-OUT are the terminals of a normally open switch that is actuated by the phase monitoring circuit. The switch is closed when three-phases are present and open when a phase or control power is lost. The switch is rated for a maximum of 10 A at 28 Vdc and

a minimum of 10 mA at 5 Vdc. This switch needs to be wired to the unit controls in order to shut down the unit.

Trane recommends wiring terminals Y and Y-OUT to the emergency stop on the Control Module. If the jumper that shipped with the unit is present, it should be removed. If the control has been wired to an external switch, the phase-loss module should be wired in series with this switch.

For units that do not have controls, the wire terminals Y and Y-OUT could be connected to either the Remote Signal Input, Compressor Status, cooling tower interlock, or other location depending on how the unit was wired after it was installed.







## Notes

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