



TRANE®

Confidential Service Bulletin

CVHE-F with Rockwell LF 2.0, LF 1.5, & 1.0 Drives

Resistor retrofit: Potential Drive Power Module Failures

Order Number: CTV-SVC12B-EN

DATE: October 11th, 2004

This confidential service bulletin provides special warranty policy and/or service expense compensation information for use by Trane warranty representatives.

NOTICE: Warnings and Cautions appear at appropriate sections throughout this literature. Read these carefully.

⚠ 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, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION: Indicates a situation that may result in equipment or property-damage only accidents.

Introduction

This confidential service bulletin is to advise the Trane Parts Centers and Service Companies of a MANDATORY retrofit involving LF 1.5 & LF 2.0 (AFDD, AFDE, AFDF), and to advise the Trane Parts Centers and Servicing Companies of a FIX-ON-FAIL retrofit involving LF 1.0 (AFDB, AFDC) Rockwell Drive.

This is not a potential safety hazard, however corrective action must be taken as soon as possible to avoid major drive failures.

Problem:

Potential Drive Power Module Failures; As a result of a review of the LiquiFlo field quality data, Rockwell has identified a specific failure due to a purchased component - the DC bus balance resistors. The resistors, which are connected to the capacitor bank, fail open causing higher voltages in the capacitor. Capacitors then rupture. When this occurs, a



major drive component, the power module (which is the basic drive) has to be changed out.

Discussion

Background:

Balance resistor's / Mid point resistors are utilized within the power module assembly on LF 1.0, LF 1.5, or LF 2.0 frequency drives supplied on Trane CVHE, CVHF, and retrofit chillers. The resistors are critical to the proper drive operation. These resistors, within the Power Module, are not serviceable in the field. These resistors are critical to properly charge dc bus to the correct voltage level.

Rockwell has identified the problem with their 10K-ohm resistor suppliers. Rockwell stopped using the 10K resistor March 3, 2004 for LF2.0, and June 1, 2004 for LF 1.0 & 1.5. The resistors utilized are now 2.6K-ohm resistors.

Corrective Action

Rockwell has designed a balance resistor retrofit kit that includes resistors that should not fail.

LF 2.0 (AFDE) are first priority to be retrofitted

LF 1.5 (AFDD, AFDF) are second priority

LF 1.0 (AFDB, AFDC) are Fix on Fail only

- 1 Identify AFD units are in your service area, which are in to be retrofitted. (List attached)
 - Identify whether your drive is suspect by following the drive identification instructions. (page 3)
- 2 Order Trane Kits identified for specific unit from Trane Parts.
 - If you determine the drive is of the suspect time period order the Proper Trane KIT.

Specific Kit installation instructions will be supplied with each kit.

- Sequence the chiller off and allow the normal shutdown sequence to proceed.
- After the chiller is in Local Stop, power down and properly secure the electrical power OFF from the DRIVE.

WARNING

Hazardous Voltage!

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

- 3 Install the Trane Kit per the Kit Provided Rockwell instructions.
- 4 Inform La Crosse technical service of the corrected Chiller serial number, this can be via e-mail to techservice@trane.com.

LF 1.0 - Fix on Fail

- LF 1.0 Drives are FIX ON FAIL only.
- LF 1.0 Drives (AFDB & AFDC only) will display a drive fault code "UbS"; meaning there is an "Asymmetrical Buss Charge Fault." If a LF 1.0 displays "Asymmetrical Buss



Charge" the drive should NOT be restarted. The resistors may have failed and need to be checked.

- The UCP2 CLD will display "Adapt Freq Drive Fault Relay Open".
 - If the resistors have failed, and are replaced with this retrofit, the power module should be OK.
 - If the Drive is reset and restarted it is likely the power module will fail and then need replacement.
 - Check the resistors by following the procedure outlines in Product Support Online (PSO) Case # 3875

Chillers & Aftermarket supplied drives with LF 1.0 & 1.5

- Chillers with Drives shipped after June 1st, 2004 are not suspect.
- Suspect Drives are identified in the attached table.

Chillers With LF 2.0 drives

- Chillers with Drives shipped after March 3rd, 2004 are not suspect. Drives shipped prior this date require the retrofit.
- Suspect Drives are identified in the attached table.

Aftermarket supplied LF 1.5 Retrofit Drives

- Suspect Drives are identified in the attached table.

Service Parts Power Module

- Replacement power modules manufactured at Rockwell after March 3rd, 2004 utilize resistors that are not suspect.
- Trane Chillers with drives with power module replacements need the label inspected to determine the actual drive build date.
 - If the Label has no Date code then retrofit is required.
 - If the Date code is shown, and after March 3rd (LF 2.0), June 1st (LF 1.0 or 1.5), on the label the drive has the corrected resistors and there fore DOES NOT need the kit.

Note: If your drive has had a replacement power module, check the MR label as identified in Figure 1 (next page). If the labels states the drive was manufactured after the dates listed above, the drive was addressed and is OK.

Future Power Module Replacements

Note: In the future if a drive that has these retrofit resistors has a replacement Power module installed, the new power module will contain corrected resistors and the field installed resistor kit will need to be removed. The replacement Power module will utilize the internal resistors.

Figure 1. LF 2 Drive Identification

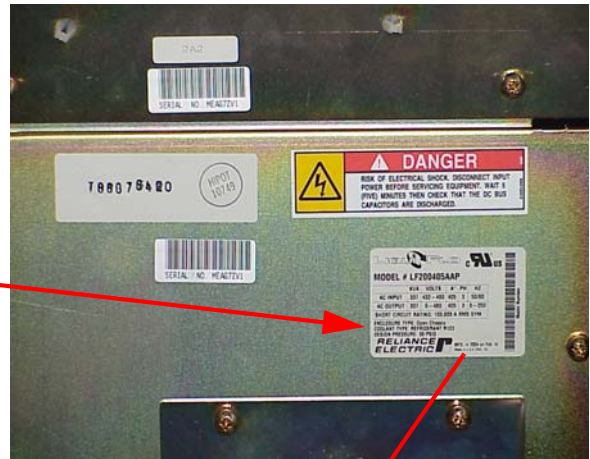
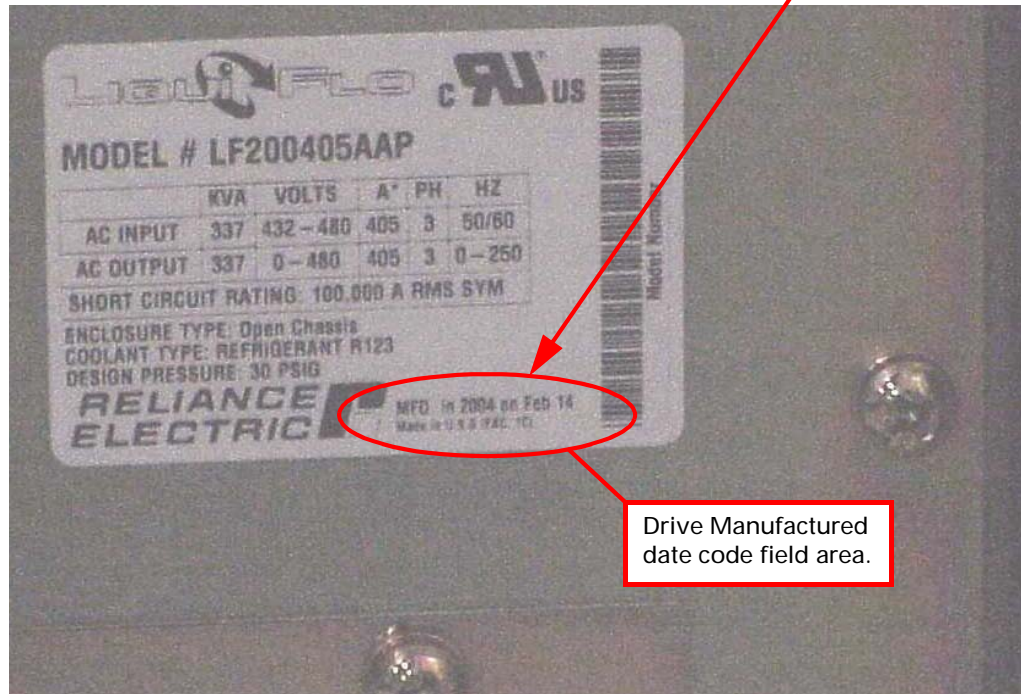


Figure 2. LF 2 Labeling as shown on inside Power module.



Drive Manufactured date code field area.

Power Module Identification

Note: Check power module date code.

Repair Summary

Trane Parts will stock the Rockwell Kits under the Trane Kit number. The Trane Kits will contain Rockwell installation instructions. These instructions will identify the proper kit contents and field installation instructions. To summarize the retrofit, the repair consists of the addition of a balancing/discharge resistor upgrade kit being attached to the enclosure and wired to the power module. There will be different kits and instructions for installation due to the various drives, enclosures etc.

Bus Balancing/Discharge Resistor Upgrade Installation

This equipment is at line voltage when AC power is connected to the drive. Disconnect and lock out incoming power to the drive before proceeding.

⚠️ WARNING

Hazardous Voltage!

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury. After power is removed, allow five minutes for the DC Bus to discharge.

After power is removed, allow five minutes for the DC Bus to discharge. Verify with an appropriate 1000VAC voltmeter that the AC input and DC Bus voltages are removed before touching any internal parts of the drive.

Resistor Kits

- Order Trane Kits through your local Trane parts center - subject to availability.
- Upon receipt of the Trane Kit verify the kit is for the correct Drive (LF 1.5, or LF 2.)
- Verify that the supplied instructions are identified for your drive type.

Table 1. Table 1 Drive Kits

Drive Size	Drive Rating	Rockwell Kit Number (for reference only)	Trane Kit Number
LF 1.5, LF 1.0	414	180788-A02	KIT09548
LF 1.5, LF 1.0	500 & 643	180788-A03	KIT09549
LF 1.5, LF 1.0	850 & 1200	180788-A04	KIT09550
LF 2	405 & 608	180788-A01	KIT09551

Figure 3. Example Field Resistor Repair Kit is shown below. Style/layout may vary to accommodate Drive Enclosure sizes.



- Upon Completion of the retrofit send an E-mail to techservice@Trane.com, containing job name and serial number, to notify La Crosse Tech Service that your drive is retrofitted per this service bulletin. Trane will forward this to Rockwell for registration.
- Enter retrofit claim for parts and labor authorization per this confidential service bulletin.
- Rockwell WARP system: Rockwell Registration is being handled by Trane as claims are submitted, therefore you do not have to register with Rockwell as their instructions indicate.



Material Authorization

- One Trane Resistor Kit is authorized per chiller with AFD as identified in Table 2.

Labor Authorization

LF 1.5 and 2.0 Labor Authorization

- Two (2) hours labor is authorized for each drive.
- Three (3) hours travel will be authorized each site.
- Sites with multiple drives are authorized one trip charge to the site, plus two hours repair labor for each drive on same site.

Expiration Date: December 1, 2004

Deadline 60 days to file claim.

LF 1.0 Fix On Fail Authorization

Upon Failure of resistors, a field installed retrofit assembly can be installed.

- Two (2) hours labor is authorized for the drive.
- Three (3) hours travel will be authorized each site.
- Expiration Date: One (1) year from startup, or August 1, 2005; whichever occurs first.

Units affected: AFDB, AFDC, AFDD, AFDE, AFDF

- All Chillers with Rockwell 2.0 AFDE drives shipped prior to March 1st.
- All Chillers with Rockwell 1.5 AFDD & AFDF drives shipped on chillers prior to June 1st, 2004 identified on attached list are to be retrofitted.
- All Chillers with Rockwell 1.0 AFDB, AFDC drives are **FIX on Fail**. LF 1.0's shipped after April 16, 2001 through June 1st, 2004 will be retrofitted **ONLY** upon failure.

Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Albany	C1F264A	L02K18005	AFDE038 1FB0A10	BERKSHIRE MEDICAL CENTER AIRE-SYSTEMS	ADAMS MA	180788- A01	KIT09551
Albany	C1E087A	L02E09664	AFDD038 9GA0A10 0C8CB	KINGSTON HOSPITAL (CHILLERS)	ALBANY NY	180788- A02	KIT09548
Albany	C1E087B	L02E09682	AFDD038 9GA0A10 0C8CB	KINGSTON HOSPITAL (CHILLERS)	ALBANY NY	180788- A02	KIT09548
Albany	C1G701A	L03J06913	AFDE043 1GB0A10	MIDDLEBURY CHILLER PLANT	MIDDLEBURY VT	180788- A01	KIT09551
Allentown	D5A332B	L02L20081	AFDE044 0FB0A10	MUHL CWP	ALLENTOWN PA	180788- A01	KIT09551
Allentown	D5A041A	L02C04417	AFDD030 6GA0A1E 0C6CB	VOORHEES HIGH SCHOOL - CHILLER REPLACEMENT	GLEN GARDNER NJ	180788- A02	KIT09548
Appleton	T6F193A	L03M08450	AFDD083 3GA0A1F 0DCAC	SAINT CLARE'S HOSPITAL	WESTON WI	180788- A04	KIT09550
Appleton	T6F193B	L03M08457	AFDD083 3GA0A1F 0DCAC	SAINT CLARE'S HOSPITAL	WESTON WI	180788- A04	KIT09550
Atlanta	G2E710A	L02H13707	AFDE049 3GA0A10	CIVIC CENTER CHILLER REPLACEMENT	AUGUSTA GA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Atlanta	G1K702A	L02K17471	AFDE056 4GA0A10	EQUITY OFFICE BLDG - 650 TON CHILLER REPLACEMENT	FOREST PARK GA	180788- A01	KIT09551
Atlanta	G1L690A	L03A00444	AFDE039 3FB0A10	JOHNSON CONTROLS STATE OF MICHIGAN	GRAND RAPIDS MI	180788- A01	KIT09551
Atlanta	G3C415A	L02K19036	AFDE030 0FB0A10	MACON STATE COLLEGE- NURSING/HEALTH [COPY]	MACON GA	180788- A01	KIT09551
Atlanta	G1Y896B	L01L11556	AFDD048 6GA0A10 0C7CA	MARSHALL'S DISTR CTR/ ORDERS - 8/29/01	DECATUR GA	180788- A03	KIT09549
Atlanta	G1M051A	L03B02291	AFDD071 4GA0A1F 0D8CB	ROCKDALE HOSPITAL CENTRAL ENERGY PLANT	FOREST PARK GA	180788- A04	KIT09550
Australia	78D264A	L03D03971	AFDE027 8SB0A1S	78D264 33 CHARLOTTE ST	SEATTLE WA	180788- A01	KIT09551
Australia	78D264B	L03D03977	AFDE027 8SB0A1S	78D264 33 CHARLOTTE ST	SEATTLE WA	180788- A01	KIT09551
Baltimore	E1F785A	L04D01717	AFDD066 0GB0A1F 0D8AG	ESSEX COMM COLLEGE CHILLER REPLACEMENT	ESSEX MD	180788- A04	KIT09550
Baltimore	E1E074A	L03D04628	AFDD110 6FA0A10 0DEAJ	FISHERS PLACE MAJOR EQUIPMENT	UPPER MARLBORO MD	180788- A04	KIT09550
Baltimore	E1E074B	L03E04960	AFDD110 6FA0A10 0DEAJ	FISHERS PLACE MAJOR EQUIPMENT	UPPER MARLBORO MD	180788- A04	KIT09550
Baltimore	E1D329A	L02L21477	AFDE060 8FB0A10	TOWSON UNIVERSITY CHILLER PLANT IOS	SPARROWS POINT MD	180788- A01	KIT09551
Baltimore	E1D329B	L02L21481	AFDE060 8FB0A10	TOWSON UNIVERSITY CHILLER PLANT IOS	SPARROWS POINT MD	180788- A01	KIT09551
Baltimore	E1E024C	L03C03139	AFDE041 3GB0A10	USPS BALTIMORE JUDGE HARRY ADGUSTUS COLE CHILLERS	BALTIMORE MD	180788- A01	KIT09551
Baltimore	E1C689A	L02E09676	AFDD073 2GA0A10 0DCAD	WESTERN MARYLAND HEALTH SYSTEM - SACRED HEART	CUMBERLAND MD	180788- A04	KIT09550
Baltimore	E1C689B	L02E09720	AFDD073 2GA0A10 0DCAD	WESTERN MARYLAND HEALTH SYSTEM - SACRED HEART	CUMBERLAND MD	180788- A04	KIT09550
Birmingham	J4F472A	L03F05446	AFDE056 1FB0A10	UNIVERSITY OF ALABAMA - CENTRAL ENERGY PLANT	TUSCALOOSA AL	180788- A01	KIT09551
Birmingham	J4F472B	L03F05448	AFDE056 1FB0A10	UNIVERSITY OF ALABAMA - CENTRAL ENERGY PLANT	TUSCALOOSA AL	180788- A01	KIT09551
Boston	A1M183B	L02H13464	AFDE032 9FA0A10	CHESHIRE MEDICAL CENTER - MECHANICAL	GOFFSTOWN NH	180788- A01	KIT09551
Boston	A1N680A	L03A00007	AFDE033 7FB0A10	COMMAIR/FIDELITY 300 & 400 PURITAN WAY	AVON MA	180788- A01	KIT09551
Boston	A1N680B	L03A00008	AFDE044 7FB0A10	COMMAIR/FIDELITY 300 & 400 PURITAN WAY	AVON MA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Boston	A1K924A	L02B02719	AFDD041 4FA0A1E 0C8CA	ENGINEERED SOLUTIONS-MGH CNY 149	AVON MA	180788- A02	KIT09548
Boston	A1K924B	L02B02725	AFDD041 4FA0A1E 0C8CA	ENGINEERED SOLUTIONS-MGH CNY 149	AVON MA	180788- A02	KIT09548
Boston	A1K924C	L02B02727	AFDD041 4FA0A1E 0C8CA	ENGINEERED SOLUTIONS-MGH CNY 149	AVON MA	180788- A02	KIT09548
Boston	A1N639A	L03A00456	AFDD069 5FA0A10 0D8CA	MASS GENERAL HOSPITAL-GRAY CHILLER PLANT	SOUTH BOSTON MA	180788- A04	KIT09550
Boston	A1N639B	L03A00888	AFDD069 5FA0A10 0D8CA	MASS GENERAL HOSPITAL-GRAY CHILLER PLANT	SOUTH BOSTON MA	180788- A04	KIT09550
Boston	A1N639C	L03A00983	AFDD069 5FA0A10 0D8CB	MASS GENERAL HOSPITAL-GRAY CHILLER PLANT	SOUTH BOSTON MA	180788- A04	KIT09550
Boston	A1N944A	L03B01923	AFDD119 6FA0A10 0DEAD	MGH- YAWKEY CENTER FOR OUTPATIENT CARE	BOSTON MA	180788- A04	KIT09550
Boston	A1N944B	L03B01932	AFDD119 6FA0A10 0DEAD	MGH- YAWKEY CENTER FOR OUTPATIENT CARE	BOSTON MA	180788- A04	KIT09550
Boston	A1L512B	L02G12172	AFDD034 9FA0A1E 0C6AD	NASHUA HIGH SCHOOL SOUTH	GOFFSTOWN NH	180788- A02	KIT09548
Boston	A1A361A	L03D04240	AFDE036 6FB0A10	NETS - WHIDDEN HOSPITAL	TEWKSBURY MA	180788- A01	KIT09551
Boston	A1A325B	L03C03640	AFDE032 9FB0A10	NH HEALTH & HUMAN SERVICES --WRITEUP1	LOUDON NH	180788- A01	KIT09551
Boston	A1K755A	L02A00070	AFDD073 1FA0A10 0DCCA	NPI - CONCORD HOSPITAL	GOFFSTOWN NH	180788- A04	KIT09550
Boston	A1K755B	L02A00072	AFDD073 1FA0A10 0DCCB	NPI - CONCORD HOSPITAL	GOFFSTOWN NH	180788- A04	KIT09550
Boston	A1K987A	L02B03176	AFDD031 8FA0A10 0C5CB	PROCESS/ GEOGIA PACIFIC JAMES RIVER PLASTICS 12/27	LEOMINSTER MA	180788- A02	KIT09548
Boston	A1M080A	L02H15108	AFDE016 0FA0A10	QUINSIGAMOND COMMUNITY COLLEGE LEARNING CENTER	PEPPERELL MA	180788- A01	KIT09551
Boston	A1K844A	L02A01583	AFDD046 2FA0A1D 0C8CB	SHIPLEY --BALCO (EMCOR) ORDER 11-15-01 ENG SOL	AVON MA	180788- A03	KIT09549
Boston	A1K855A	L02D06196	AFDD022 7FA0A10 0C6CB	SHIPLEY WAFER FAB 4 / SUBMITTALS / 12-12-01	WOBURN MA	180788- A02	KIT09548
Boston	A1A204A	L03B01957	AFDE046 1FB0A10	SIEMENS - BOSTON HERALD	NORTH ANDOVER MA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Boston	A1K657A	L02A00066	AFDD040 9FA0A1E SC8AF	TGG/ SIMMONS CHILLER PLANT	BOSTON MA	180788- A02	KIT09548
Boston	A1A622A	L03D04622	AFDE018 9FB0A10	WBC CHILLERS ORDER	SMITHFIELD RI	180788- A01	KIT09551
Buffalo	C3Q585A	L02B03168	AFDD029 0FA0A1E 0C6CB	C348280 - MEADVILLE MEDICAL CENTER	MEADVILLE PA	180788- A02	KIT09548
Buffalo	C3Q586A	L02B03587	AFDD040 3FA0A1E 0C6CA	C348280 - MEADVILLE MEDICAL CENTER	ERIE PA	180788- A02	KIT09548
Buffalo	C3Q733A	L02J16581	AFDE057 8FA0A10	C349150 - UB CARY/ FARBER/SHERMAN COMPLEX	LOCKPORT NY	180788- A01	KIT09551
Buffalo	C3Q733B	L02L20519	AFDE057 8FB0A10	C349150 - UB CARY/ FARBER/SHERMAN COMPLEX	LOCKPORT NY	180788- A01	KIT09551
Buffalo	C3Q733C	L02L20521	AFDE057 8FB0A10	C349150 - UB CARY/ FARBER/SHERMAN COMPLEX	LOCKPORT NY	180788- A01	KIT09551
Buffalo	C3R328A	L03M08279	AFDE021 2FB0A10	C352750 - CANISIUS HEALTH SCIENCE BLDG	BUFFALO NY	180788- A01	KIT09551
Buffalo	C3R448A	L04B00607	AFDE024 9FB0A10	C353480- M&T BANK	SYRACUSE NY	180788- A01	KIT09551
Buffalo	C3R448B	L04B00643	AFDE024 9FB0A10	C353480- M&T BANK	SYRACUSE NY	180788- A01	KIT09551
Calgary, Alberta	CSA136A	L04B00917	AFDE040 5FB0A10	STANDARD LIFE PLACE 800	CALGARY AB	180788- A01	KIT09551
Charleston SC	F8E102A	L02E09335	AFDD034 7GA0A10 0C7CB	CHARLESTON AIRPORT CHILLER ADDITION	CHARLESTON SC	180788- A02	KIT09548
Charleston, WV	E7S484A	L02M22371	AFDE023 7FB0A10	LAZARUS CHILLER - SMALL	BARBOURSVILLE WV	180788- A01	KIT09551
Charlotte	F1Z262A	L03M08436	AFDE031 9FB0A10	ASU CENTRAL LIBRARY COMPLEX	BOONE NC	180788- A01	KIT09551
Charlotte	F1E812A	L03C03113	AFDD116 4FA0A1F 0DEAD	CATAWBA VALLEY CHILLER	HICKORY NC	180788- A04	KIT09550
Charlotte	F1C088A	L03C03638	AFDE026 8FB0A10	CPCC CENTRAL CAMPUS - CENTRAL ENERGY FACILITY	FORT MILL SC	180788- A01	KIT09551
Charlotte	F1C088B	L03C03745	AFDE057 7FB0A10	CPCC CENTRAL CAMPUS - CENTRAL ENERGY FACILITY	FORT MILL SC	180788- A01	KIT09551
Charlotte	F1C088C	L03C03747	AFDE057 7FB0A10	CPCC CENTRAL CAMPUS - CENTRAL ENERGY FACILITY	FORT MILL SC	180788- A01	KIT09551
Charlotte	F1F537A	L02B02702	AFDD075 4FA0A1F 0DCEF	DUKE ENERGY CENTER PHASE II 900 TON CTV 12/ 3/01	CHARLOTTE NC	180788- A04	KIT09550
Charlotte	F1C213A	L03L08051	AFDD079 3GA0A10 0DFAE	RUP2 @ UNCC	PINEVILLE NC	180788- A04	KIT09550



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Charlotte	F1C213B	L03L08129	AFDD079 3GA0A10 0DFAE	RUP2 @ UNCC	PINEVILLE NC	180788- A04	KIT09550
Charlotte	F1C213C	L03L08057	AFDE025 2GB0A10	RUP2 @ UNCC	PINEVILLE NC	180788- A01	KIT09551
Charlotte	F1C071A	L02K19788	AFDE035 0FB0A10	UNCC CHILLER CHANGES	PINEVILLE NC	180788- A01	KIT09551
Chicago	R1F337A	L03G06220	AFDD075 1GA0A10 0D8GA	71 S. WACKER	JOLIET IL	180788- A04	KIT09550
Chicago	R1X220C	L01M14237	AFDD087 9GA0A1F 0DCCA	CENTRAL DUPAGE HOSPITAL CHILLER PLANT ADDITION	CICERO IL	180788- A04	KIT09550
Chicago	R1G940A	L03G06219	AFDE050 5FB0A10	GBA - RPSL COHN RESEARCH - ORDER	CHICAGO IL	180788- A01	KIT09551
Chicago	R1F560A	L03C03363	AFDE029 1GB0A10	GLENVIEW STATE BANK	BROADVIEW IL	180788- A01	KIT09551
Chicago	R1E328A	L02M22347	AFDE032 0FB0A10	HARD ROCK [COPY]	BROADVIEW IL	180788- A01	KIT09551
Chicago	R1E328B	L02M22355	AFDE032 0FB0A10	HARD ROCK [COPY]	BROADVIEW IL	180788- A01	KIT09551
Chicago	R1D794A	L03H06623	AFDD070 1FA0A10 0DCCA	HIGHLAND PARK HOSPITAL CHILLERS	CHICAGO IL	180788- A04	KIT09550
Chicago	R1D794B	L03H06625	AFDD070 1FA0A10 0DCCA	HIGHLAND PARK HOSPITAL CHILLERS	CHICAGO IL	180788- A04	KIT09550
Chicago	R1D794C	L03H06617	AFDD070 1FA0A10 0DCCA	HIGHLAND PARK HOSPITAL CHILLERS	CHICAGO IL	180788- A04	KIT09550
Chicago	R1J030A	L04B00801	AFDE051 6FB0A10	INS FEDERAL BUILDING CHILLER	SKOKIE IL	180788- A01	KIT09551
Chicago	R1K758A	L03L07840	AFDE055 5GB0A10	MOTOROLA CHILLER PLANT REPLACEMENT 2138-041-00IL23	SCHAUMBURG IL	180788- A01	KIT09551
Chicago	R1K758B	L03L07842	AFDE055 5GB0A10	MOTOROLA CHILLER PLANT REPLACEMENT 2138-041-00IL23	SCHAUMBURG IL	180788- A01	KIT09551
Chicago	R1M456	L04B00796	AFDF053 7GG0C10 B1B1B	NATIONAL ASSOCIATION OF REALTORS	OAK BROOK IL	180788- A03	KIT09549
Chicago	R1X962C	L01M14226	AFDD085 0GA0A10 0D8CB	OLD ORCHARD SHOPPING CENTER	BURR RIDGE IL	180788- A04	KIT09550
Chicago	R1V621A	L02G12178	AFDE039 7GA0A10	ST. MARG NORTH AND SOUTH CAMPUS	DYER IN	180788- A01	KIT09551
Chicago	R1V621B	L02G12183	AFDE055 7GA0A10	ST. MARG NORTH AND SOUTH CAMPUS	DYER IN	180788- A01	KIT09551
Chicago	R1K678A	L03L07812	AFDD085 0GA0A10 0DCAD	VA - HINES - MEER	HODGKINS IL	180788- A04	KIT09550
Cincinnati	N2N608A	L03H06563	AFDE040 4FB0A10	MIAMI UNIVERSITY MIDDLETOWN CAMPUS	MIDDLETOWN OH	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Cleveland	N3K763A	L02M22811	AFDE039 8GB0A10	CCF - BRB CHILLERS	GARFIELD HEIGHTS OH	180788- A01	KIT09551
Cleveland	N3K763B	L02M22810	AFDE039 8GB0A10	CCF - BRB CHILLERS	GARFIELD HEIGHTS OH	180788- A01	KIT09551
Cleveland	N3P033A	L04B00669	AFDD078 6GA0A10 0DCAD	PROGRESSIVE INSURANCE BUILDING 4 CHILLER	CLEVELAND OH	180788- A04	KIT09550
Columbia	F2H621A	L04B00575	AFDE041 5GB0A10	DHEC 525 TON CHILLER CVHE FINAL 11/10/03	CAYCE SC	180788- A01	KIT09551
Columbia	F2H621B	L04B00604	AFDE041 5GB0A10	DHEC 525 TON CHILLER CVHE FINAL 11/10/03	CAYCE SC	180788- A01	KIT09551
Columbus	N4D370A	L02D07164	AFDD052 7GA0A1B 0C6AF	COLGATE CENTRIFUGAL CHILLERS	CAMBRIDGE OH	180788- A03	KIT09549
Columbus	N4D370B	L02D08061	AFDD052 7GA0A1B 0C6AF	COLGATE CENTRIFUGAL CHILLERS	CAMBRIDGE OH	180788- A03	KIT09549
Columbus	N4B575A	L01M14056	AFDD044 3FA0A10 0C5CB	MORROW COUNTY HOSPITAL - CHILLER	MOUNT GILEAD OH	180788- A03	KIT09549
Columbus	N4D934A	L02G12195	AFDE048 7FA0A10	MT. CARMEL EAST EXPANSION - TOWER CHILLERS	COLUMBUS OH	180788- A01	KIT09551
Columbus	N4D934B	L02G12196	AFDE048 7FA0A10	MT. CARMEL EAST EXPANSION - TOWER CHILLERS	COLUMBUS OH	180788- A01	KIT09551
Columbus	N4E872A	L02M21864	AFDE026 8FB0A10	OCLC KILGOUR CHILLERS	COLUMBUS OH	180788- A01	KIT09551
Columbus	N4E872B	L02M22322	AFDE026 8FB0A10	OCLC KILGOUR CHILLERS	COLUMBUS OH	180788- A01	KIT09551
Dallas	L3H862A	L03H06609	AFDE024 2GB0A10	DFW INTERNATIONAL AIRPORT-EAST SIDE PLANT UPGRADES	DALLAS TX	180788- A01	KIT09551
Dallas	L3E225B	L03A01219	AFDE034 3GB0A10	ECONOMEDES HIGH SCHOOL	EDINBURG TX	180788- A01	KIT09551
Dallas	L3B229A	L02F10081	AFDD065 2GA0A1F 0DCGA	JC PARIS - 411 ACKARD PLACE	DALLAS TX	180788- A04	KIT09550
Dallas	L3A850A	L02E09336	AFDD026 1GA0A1E 0C5AD	POLY-AMERICA CHILLER 3, BLDG 4	GRAND PRAIRIE TX	180788- A02	KIT09548
Dallas	L3J617A	L03L07805	AFDE060 5GB0A10	RADIO SHACK - RIVERFRONT CAMPUS CHILLERS	FORT WORTH TX	180788- A01	KIT09551
Dallas	L3J617B	L03L07807	AFDE060 5GB0A10	RADIO SHACK - RIVERFRONT CAMPUS CHILLERS	FORT WORTH TX	180788- A01	KIT09551
Dallas	L3J617C	L03L07809	AFDE060 5GB0A10	RADIO SHACK - RIVERFRONT CAMPUS CHILLERS	FORT WORTH TX	180788- A01	KIT09551
Dallas	L3J617D	L03L07819	AFDE060 5GB0A10	RADIO SHACK - RIVERFRONT CAMPUS CHILLERS	FORT WORTH TX	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Dallas	L3J617E	L03L07821	AFDE060 5GB0A10	RADIO SHACK - RIVERFRONT CAMPUS CHILLERS	FORT WORTH TX	180788- A01	KIT09551
Dallas	L3A566B	L02D08081	AFDD044 1GA0A10 0C5CA	REPUBLIC INSURANCE CHILLER REPLACEMENT	DALLAS TX	180788- A03	KIT09549
Dallas	L3E508A	L03C03109	AFDE045 9GB0A10	SOUTHWEST AIRLINES GENERAL OFFICE FACILITY	DALLAS TX	180788- A01	KIT09551
Dallas	L3P692A	L01L12632	AFDD089 6GA0A10 0DCAD	TEXAS WOMEN'S UNIVERSITY CENTRAL PLANT	DENTON TX	180788- A04	KIT09550
Dallas	L3K040A	L03M08421	AFDE039 8GB0A10	TRIAD/BROWNWOOD, OR AIR UNIT & CHILLER REPL. PROJ	BROWNWOOD TX	180788- A01	KIT09551
Dallas	L3K265A	L04A00092	AFDD073 8GA0A1F 0D7AD	TRIAD/MARY BLACK, POWERHOUSE & BED TOWER REN.	SPARTANBURG SC	180788- A04	KIT09550
Dallas	L3E406A	L03B01999	AFDE043 1GB0A10	TXU - SAN GABRIEL, CA	WHITTIER CA	180788- A01	KIT09551
Dallas	L3E257A	L03A01497	AFDD079 2GA0A10 0DECB	TXU-ST.MARY LB	WHITTIER CA	180788- A04	KIT09550
Dallas	L3C535A	L02J16193	AFDE044 6FA0A10	VA TEMPLE	TEMPLE TX	180788- A01	KIT09551
Dallas	L3K031A	L03M08313	AFDE037 8GB0A10	WEST TEXAS A&M FINE ARTS COMPLEX	CANYON TX	180788- A01	KIT09551
Dallas	L3L823A	L04E02079	AFDD066 4GB0A1F 0DCAJ	WYNDHAM ANATOLE-- TOWER & ATRIUM CENTRAL PLANT	DALLAS TX	180788- A04	KIT09550
Dallas	L3L823B	L04E02138	AFDD071 6GB0A1F 0DCAJ	WYNDHAM ANATOLE-- TOWER & ATRIUM CENTRAL PLANT	DALLAS TX	180788- A04	KIT09550
Davenport	R4P853A	L04B00598	AFDE053 8FB0A10	BLACK HAWK COLLEGE BLDG #1	MOLINE IL	180788- A01	KIT09551
Davenport	R4P578A	L03J07111	AFDD070 0FA0A10 0D8CA	IOWA LABORATORIES FACILITY	ANKENY IA	180788- A04	KIT09550
Davenport	R4P578B	L03J07117	AFDD070 0FA0A10 0D8CA	IOWA LABORATORIES FACILITY	ANKENY IA	180788- A04	KIT09550
Denver	V5C913A	L02C04884	AFDD038 3FA0A10 0C6CB	AVISTA HOSPITAL	LOUISVILLE CO	180788- A02	KIT09548
Denver	V5K130A	L02F10495	AFDE026 7FA0A10	CRABB - BLDR COMMUNITY - CVHE	BOULDER CO	180788- A01	KIT09551
Denver	V5K130B	L02F10497	AFDE026 7FA0A10	CRABB - BLDR COMMUNITY - CVHE	BOULDER CO	180788- A01	KIT09551
Denver	V5J131A	L02A01591	AFDD018 8FA0A1E 0C4CB	CRABB - TCH CHILLER	DENVER CO	180788- A02	KIT09548



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Denver	V5J129A	L02D08068	AFDD057 4FA0A1B 0CCAG	DENVER HEALTH AND HOSPITAL AUTHORITY - PLANT EXP.	ARVADA CO	180788- A03	KIT09549
Denver	V5J129B	L02D08077	AFDD057 4FA0A1B 0CCAG	DENVER HEALTH AND HOSPITAL AUTHORITY - PLANT EXP.	ARVADA CO	180788- A03	KIT09549
Des Moines	R5G733C	L03E05197	AFDD075 4GA0A10 0D8CA	IOWA EVENTS CENTER	DES MOINES IA	180788- A04	KIT09550
Detroit	M1S804A	L03M08427	AFDE037 7GB0A10	BATTLE CREEK FEDERAL BUILDING - CHILLERS	BATTLE CREEK MI	180788- A01	KIT09551
Detroit	M1S804B	L03M08434	AFDE037 7GB0A10	BATTLE CREEK FEDERAL BUILDING - CHILLERS	BATTLE CREEK MI	180788- A01	KIT09551
Detroit	M1S530A	L03L08001	AFDE053 1FB0A10	BLUE CROSS BLUE SHIELD OF MICHIGAN DETROIT TOWER	DETROIT MI	180788- A01	KIT09551
Detroit	M1G324A	L01L11948	AFDD054 4FA0A10 SC7AF	U OF M MODERN LANGUAGE BLDG	LA CROSSE WI	180788- A03	KIT09549
Detroit	M1G324B	L01L11563	AFDD029 9FA0A10 SC5AF	U OF M MODERN LANGUAGE BLDG	LA CROSSE WI	180788- A02	KIT09548
Detroit	M1S924A	L04A00301	AFDE017 3FB0A10	UOFM BUHR BLDG - CHILLER REPLACEMENT	ANN ARBOR MI	180788- A01	KIT09551
Detroit	M1S421A	L03M08425	AFDE028 4FB0A10	UOFM WOLVERINE TOWER	SOUTHFIELD MI	180788- A01	KIT09551
Detroit	M1S421B	L03M08432	AFDE028 4FB0A10	UOFM WOLVERINE TOWER	SOUTHFIELD MI	180788- A01	KIT09551
El Paso	V2J288A	L02B03959	AFDD013 7FA0A1E 0C4AG	LA TUNA FEDERAL CORRECTIONAL FACILITY	ANTHONY TX	180788- A02	KIT09548
El Paso	V2J288B	L02B03965	AFDD027 5FA0A1E 0C5AH	LA TUNA FEDERAL CORRECTIONAL FACILITY	ANTHONY TX	180788- A02	KIT09548
El Paso	V2J288C	L02B03967	AFDD027 5FA0A1E 0C5AH	LA TUNA FEDERAL CORRECTIONAL FACILITY	ANTHONY TX	180788- A02	KIT09548
Evansville	P6J663A	L04B00674	AFDE047 1FB0A10	BRIGGS & STRATTON CHILLER	MURRAY KY	180788- A01	KIT09551
Fargo	S1C498	L04B01028	AFDF032 0GG0C10 A100D	ST. ALEXIUS MEDICAL CENTER	BISMARCK ND	180788- A02	KIT09548
Fargo	S1C498	L04B01046	AFDF040 5GG0C10 A100D	ST. ALEXIUS MEDICAL CENTER	BISMARCK ND	180788- A02	KIT09548
Fargo	S1C498	L04B01064	AFDF044 7GG0C10 A100D	ST. ALEXIUS MEDICAL CENTER	BISMARCK ND	180788- A03	KIT09549
Fargo	S1B329A	L02L20504	AFDE032 2FB0A10	UND MEDICAL SCIENCE BLDG.	GRAND FORKS ND	180788- A01	KIT09551
Fort Worth	K9D319B	L02D07189	AFDD033 4FA0A10 0C6CA	KELLER HIGH SCHOOL ADDITIONS AND RENOVATIONS	KELLER TX	180788- A02	KIT09548



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Fort Worth	K9E259A	L03A00979	AFDE040 5FB0A10	SAFEB HOSPITAL	SHEPPARD AFB TX	180788- A01	KIT09551
Fort Worth	K9G287A	L03E05178	AFDE037 0GB0A10	UNT HEALTH SCIENCE LAB	FORT WORTH TX	180788- A01	KIT09551
Fort Worth	K9G287B	L03E05186	AFDE037 0GB0A10	UNT HEALTH SCIENCE LAB	FORT WORTH TX	180788- A01	KIT09551
Fresno	X3G200A	L03L07825	AFDE039 1FB0A10	C.O.S MULTI - MEDIA LEARNING CENTER	VISALIA CA	180788- A01	KIT09551
Grand Rapids	M5Q433A	L02H13432	AFDE050 5GA0A10	ARMSTRONG CHILLERS FINAL SELECTIONS	KALAMAZOO MI	180788- A01	KIT09551
Grand Rapids	M5Q433B	L02H13450	AFDE050 5GA0A10	ARMSTRONG CHILLERS FINAL SELECTIONS	KALAMAZOO MI	180788- A01	KIT09551
Grand Rapids	M5Q381A	L02F10513	AFDE027 8FA0A10	CITY OF GRAND RAPIDS FINAL	GRAND RAPIDS MI	180788- A01	KIT09551
Grand Rapids	M5Q382A	L04A00103	AFDE028 5FB0A10	CITY OF GRAND RAPIDS FINAL	GRAND RAPIDS MI	180788- A01	KIT09551
Grand Rapids	M5S765A	L03J06936	AFDE048 8GB0A10	CONVENTION CENTER EXPANSION & REN. - PHASE 3C	GRAND RAPIDS MI	180788- A01	KIT09551
Grand Rapids	M5P491A	L02J16207	AFDE042 7GA0A10	CONVENTION CENTER EXPANSION & RENOVATION [ORDERS]	GRAND RAPIDS MI	180788- A01	KIT09551
Greensboro	F3N563A	L01L12638	AFDD030 0FA0A10 0C6CA	ELLIOTT CENTER ADDITIONS AND RENOVATIONS (ORDER)	GREENSBORO NC	180788- A02	KIT09548
Greensboro	F3G329A	L04B00644	AFDE037 6FB0A10	GTCC CENTRAL ENERGY PLANT ORDER	GREENSBORO NC	180788- A01	KIT09551
Greensboro	F3G329B	L04B00656	AFDE037 6FB0A10	GTCC CENTRAL ENERGY PLANT ORDER	GREENSBORO NC	180788- A01	KIT09551
Greensboro	F3N532A	L02B02715	AFDD061 0FA0A10 0C8CA	NC A&T MERRIC HALL CHILLER	GREENSBORO NC	180788- A03	KIT09549
Greensboro	F3R820A	L03D04589	AFDE034 2GB0A10	VALASSIS PRINTING - 2003	DURHAM NC	180788- A01	KIT09551
Greensboro	F9C208A	L03E04995	AFDE015 8FB0A10	WATSON SCHOOL OF EDUCATION - UNCW	WILMINGTON NC	180788- A01	KIT09551
Greensboro	F9C208B	L03E04997	AFDE015 8FB0A10	WATSON SCHOOL OF EDUCATION - UNCW	WILMINGTON NC	180788- A01	KIT09551
Greenville	F5D929A	L03G06226	AFDE026 9FB0A10	FORT EUSTIS - CENTRIFUGAL CHILLER	FORT EUSTIS VA	180788- A01	KIT09551
Greenville	F5F981A	L03G06185	AFDD096 1FA0A10 0DCCA	SRMC EMERGENCY DEPT CHILLER	SPARTANBURG SC	180788- A04	KIT09550
Harrisburg	D1L640A	L02F10950	AFDE033 1FA0A10	BECTON DICKINSON - 39 LOVETON	YORK PA	180788- A01	KIT09551
Harrisburg	D1C447A	L03M08435	AFDD075 3FA0A10 0DCCB	LANCASTER GENERAL HOSPITAL - ORTHO	LANCASTER PA	180788- A04	KIT09550
Harrisburg	D1K616A	L02A01539	AFDD019 1FA0A1E 0C5CA	PSU - CAPITAL RENEWAL PHASE C-1 USE	STATE COLLEGE PA	180788- A02	KIT09548



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Hartford	B2R737A	L02B02728	AFDD063 1GA0A10 0C8CA	BRADLEY AIRPORT ENERGY CENTER	WINDSOR LOCKS CT	180788- A03	KIT09549
Hartford	B2R737B	L02B02729	AFDD063 1GA0A10 0C8CA	BRADLEY AIRPORT ENERGY CENTER	WINDSOR LOCKS CT	180788- A03	KIT09549
Hartford	B2T711A	L03L07762	AFDD098 7FA0A1F 0DEAG	CONN. CONVENTION CENTER CENTRAL PLANT (ORDER]	MIDDLETOWN CT	180788- A04	KIT09550
Hartford	B2T711B	L03K07630	AFDE060 8FB0A10	CONN. CONVENTION CENTER CENTRAL PLANT (ORDER]	MIDDLETOWN CT	180788- A01	KIT09551
Hartford	B2R557A	L02F10492	AFDD022 6FA0A1E 0C6CB	ENGLEMAN HALL	BRANFORD CT	180788- A02	KIT09548
Hartford	B2R557B	L02F10496	AFDD022 6FA0A1E 0C6CB	ENGLEMAN HALL	BRANFORD CT	180788- A02	KIT09548
Hartford	B2T347A	L03D04623	AFDE040 3FB0A10	FRANLIN FARMS REPLACEMENT CHILLER PROJECT	PLAINVILLE CT	180788- A01	KIT09551
Hartford	B2U024A	L04A00091	AFDE030 7FB0A10	MERRITT TOWERS AT 801 MAIN ST NORWALK (SUBMITTALS)	PLAINVILLE CT	180788- A01	KIT09551
Hartford	B2U024B	L04A00093	AFDE030 7FB0A10	MERRITT TOWERS AT 801 MAIN ST NORWALK (SUBMITTALS)	PLAINVILLE CT	180788- A01	KIT09551
Hartford	B2T329A	L03D04421	AFDE023 8FB0A10	MIDSTATE MEDICAL CENTER 310 CHILLER	PLAINVILLE CT	180788- A01	KIT09551
Hartford	B2T046A	L03B01931	AFDE037 6FB0A10	NORDEN PARK-CHILLER REPLACEMENT	PLAINVILLE CT	180788- A01	KIT09551
Hartford	B2T046B	L03B01933	AFDE037 6FB0A10	NORDEN PARK-CHILLER REPLACEMENT	PLAINVILLE CT	180788- A01	KIT09551
Hartford	B2S745	L02K17767	AFDF038 2FG0C10 A1B0B	UCONN GAMPEL PAVILLION, CHILLER AFD RETRO. (CH530)	HARTFORD CT	180788- A02	KIT09548
Hartford	B2S534A	L02J17087	AFDE031 2FA0A10	WATERBURY MAGNET SCHOOL, THEATER & GARAGE	BRANFORD CT	180788- A01	KIT09551
Hartford	B2S534B	L02J17090	AFDE031 2FA0A10	WATERBURY MAGNET SCHOOL, THEATER & GARAGE	BRANFORD CT	180788- A01	KIT09551
Hartford	B2S541A	L02J16189	AFDE015 9GA0A10	WATERBURY MAGNET SCHOOL, THEATER & GARAGE	BRANFORD CT	180788- A01	KIT09551
Hartford	B2S541B	L02J16191	AFDE015 9GA0A10	WATERBURY MAGNET SCHOOL, THEATER & GARAGE	BRANFORD CT	180788- A01	KIT09551
Honolulu	W1K853A	L02G12506	AFDE027 4FA0A10	HILO MEDICAL CENTER CHILLER	SAN PEDRO CA	180788- A01	KIT09551
Honolulu	W1L158A	L03D04632	AFDE019 5FB0A10	HONOLULU ADVERTISER (SUBMITTAL FILE)	LONG BEACH CA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Honolulu	W1L328A	L03H06535	AFDE029 2FB0A10	KAHALA NUI	SAN PEDRO CA	180788- A01	KIT09551
Honolulu	W1L025A	L03A00435	AFDE023 5FB0A10	KAMEHAMEHA SCHOOLS MAUI CAMPUS PHASE 3	LONG BEACH CA	180788- A01	KIT09551
Honolulu	W1L201A	L03D04082	AFDE014 6FB0A10	KAWAIAHAO PLAZA - CHILLER REPLACEMENT	SAN LEANDRO CA	180788- A01	KIT09551
Honolulu	W1L201B	L03D04085	AFDE014 6FB0A10	KAWAIAHAO PLAZA - CHILLER REPLACEMENT	SAN LEANDRO CA	180788- A01	KIT09551
Honolulu	W1K682A	L02C04845	AFDD028 0FA0A1E 0C6CA	MOUNT TERRACE	SAN PEDRO CA	180788- A02	KIT09548
Honolulu	W1K964A	L02L21093	AFDE025 3FB0A10	OUTRIGGER WAILEA	SAN PEDRO CA	180788- A01	KIT09551
Honolulu	W1L039A	L02M22778	AFDE018 3FB0A10	PACIFIC GUARDIAN CENTER - 250 & 600 TON CHILLERS	SAN PEDRO CA	180788- A01	KIT09551
Honolulu	W1L512A	L04B00800	AFDE032 0FB0A10	WINDWARD MALL	SAN PEDRO CA	180788- A01	KIT09551
Honolulu	W1L512B	L04B00840	AFDE032 0FB0A10	WINDWARD MALL	SAN PEDRO CA	180788- A01	KIT09551
Houston	L4G655A	L02E09326	AFDD066 0FA0A1F SDCGA	717 TEXAS	HOUSTON TX	180788- A04	KIT09550
Houston	L4G725A	L02A01039	AFDD026 3FA0A10 SC6CB	GSA GULFPORT US COURTHOUSE	LA CROSSE WI	180788- A02	KIT09548
Houston	L4G725B	L02A01043	AFDD026 3FA0A10 SC6CB	GSA GULFPORT US COURTHOUSE	LA CROSSE WI	180788- A02	KIT09548
Houston	L4J037A	L02J15614	AFDD108 4FA0A1F 0DCCB	HOUSTON MULTI- PURPOSE ARENA	HOUSTON TX	180788- A04	KIT09550
Houston	L4H834A	L02G12505	AFDD061 7FA0A1B 0C8CB	M D ANDERSON - SMITH RESEARCH BUILDING	HOUSTON TX	180788- A03	KIT09549
Houston	L4H834B	L02G13222	AFDD061 7FA0A1B 0C8CA	M D ANDERSON - SMITH RESEARCH BUILDING	HOUSTON TX	180788- A03	KIT09549
Houston	L4H834C	L02G13223	AFDD061 7FA0A1B 0C8CA	M D ANDERSON - SMITH RESEARCH BUILDING	HOUSTON TX	180788- A03	KIT09549
Houston	L4J189B	L02H14577	AFDE023 4FA0A10	MCLENNAN COUNTY COURT HOUSE	WACO TX	180788- A01	KIT09551
Houston	L4L390A	L03L07818	AFDD072 4FA0A1F 0DCAD	ORDER COPY #2 KATY H/S #6 CHILLED WATER PLANT	KATY TX	180788- A04	KIT09550
Houston	L4L390B	L03L07828	AFDD072 4FA0A1F 0DCAE	ORDER COPY #2 KATY H/S #6 CHILLED WATER PLANT	KATY TX	180788- A04	KIT09550
Houston	L4K468A	L03F05773	AFDD079 9GA0A1F 0DCCB	ST ANTHONY'S HOSPITAL	SAINT PETERSBURG FL	180788- A04	KIT09550



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Houston	L4K468B	L03F05777	AFDD079 9GA0A1F 0DCCB	ST ANTHONY'S HOSPITAL	SAINT PETERSBURG FL	180788- A04	KIT09550
Houston	L4K468C	L03F05779	AFDD079 9GA0A1F 0DCCB	ST ANTHONY'S HOSPITAL	SAINT PETERSBURG FL	180788- A04	KIT09550
Houston	L4H255C	L02D07166	AFDD025 7FA0A10 0C6CA	ST. LUKES COMMUNITY MEDICAL CENTER	CONROE TX	180788- A02	KIT09548
Houston	L4G684C	L02C04429	AFDD088 4FA0A10 SDCAK	UNIVERSITY OF SAN DIEGO	SAN DIEGO CA	180788- A04	KIT09550
Indianapolis	P1R930A	L03A00421	AFDE047 5FB0A10	RIVERVIEW HOSPITAL WOMEN'S PAVILION	NOBLESVILLE IN	180788- A01	KIT09551
Kansas City	Q2E930A	L03D03948	AFDE034 2FB0A10	CHILDREN'S MERCY SOUTH - PHASE IIIA	OVERLAND PARK KS	180788- A01	KIT09551
Kansas City	Q2E930B	L03D03958	AFDE034 2FB0A10	CHILDREN'S MERCY SOUTH - PHASE IIIA	OVERLAND PARK KS	180788- A01	KIT09551
Kansas City	Q2E300A	L02K17449	AFDE036 1GB0A10	CONROE REGIONAL MEDICAL CENTER	CONROE TX	180788- A01	KIT09551
Kansas City	Q2D707A	L02C04847	AFDD038 7FA0A10 0C6CA	HALLMARK -- METAMORA, ILLINOIS	PEORIA IL	180788- A02	KIT09548
Kansas City	Q2E097A	L02F10117	AFDD031 3GA0A10 0C5CA	MEDICAL CENTER OF INDEPENDENCE	KANSAS CITY MO	180788- A02	KIT09548
Kansas City	Q2F095A	L03D04418	AFDE027 5FB0A10	NEOSHO MEMORIAL REGIONAL MEDICAL CENTER	CHANUTE KS	180788- A01	KIT09551
Kansas City	Q2D920A	L02E08711	AFDE040 9FA0A10	PARK RIDGE MEDICAL CENTER	CHATTANOOGA TN	180788- A01	KIT09551
Kansas City	Q2E130A	L02F10932	AFDD031 8FA0A10 0C5CA	ST. LOUIS SYMPHONY ORCHESTRA	SAINT LOUIS MO	180788- A02	KIT09548
Kansas City	Q2F870A	L04A00077	AFDE045 6FB0A10	UNIVERSITY OF KANSAS MURPHY HALL CHILLER REPLACE	KANSAS CITY MO	180788- A01	KIT09551
Las Vegas	W4J054B	L03G06187	AFDE026 2FB0A10	FOLEY FEDERAL BUILDING - WETSIDE	LAS VEGAS NV	180788- A01	KIT09551
Las Vegas	W4H099A	L02F10490	AFDE040 1FA0A10	HARRAH'S LAUGHLIN - VFD CHILLER	LAUGHLIN NV	180788- A01	KIT09551
Las Vegas	W4H099B	L02F10500	AFDE040 1FA0A10	HARRAH'S LAUGHLIN - VFD CHILLER	LAUGHLIN NV	180788- A01	KIT09551
Las Vegas	W4K056	L04B00545	AFDF047 2GG0C10 A100D	HYATT REGENCY LLV - ADAPTIVE FREQUENCY DRIVE	HENDERSON NV	180788- A03	KIT09549
Las Vegas	W4J278	L03K07207	AFDF035 6FG0C10 A1B1B	RAMADA INN LAUGHLIN	LAUGHLIN NV	180788- A02	KIT09548
Las Vegas	W4J278	L03K07208	AFDF035 6FG0C10 A1B1B	RAMADA INN LAUGHLIN	LAUGHLIN NV	180788- A02	KIT09548



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Little Rock	K3R731A	L02E09644	AFDE052 8GA0A10	UCA - FERRIS CHILLER	CONWAY AR	180788- A01	KIT09551
Los Angeles	W2G523	L04A00329	AFDF055 4FG0C10 A100C	1000 WILSHIRE RETROFIT DRIVES	IRVINE CA	180788- A03	KIT09549
Los Angeles	W2G523	L04A00330	AFDF055 4FG0C10 A100C	1000 WILSHIRE RETROFIT DRIVES	IRVINE CA	180788- A03	KIT09549
Los Angeles	W2E811A	L04B00499	AFDE023 3GB0A10	500 NEWPORT CENTER DRIVE - IRVINE CHILLERS	LONG BEACH CA	180788- A01	KIT09551
Los Angeles	W2E811B	L04B00507	AFDE023 3GB0A10	500 NEWPORT CENTER DRIVE - IRVINE CHILLERS	LONG BEACH CA	180788- A01	KIT09551
Los Angeles	W2E811C	L04B00509	AFDE048 2GB0A10	500 NEWPORT CENTER DRIVE - IRVINE CHILLERS	LONG BEACH CA	180788- A01	KIT09551
Los Angeles	W2D478A	L02K19787	AFDE022 7FB0A10	555 E. OCEAN	SANTA FE SPRINGS CA	180788- A01	KIT09551
Los Angeles	W2B687A	L02B02695	AFDD069 6FA0A10 0DCCB	CA: MISSION VALLEY MALL (CVHF910) (ORDER)	SAN DIEGO CA	180788- A04	KIT09550
Los Angeles	W2D864A	L03A00452	AFDE053 9FB0A10	CHUMASH	SANTA YNEZ CA	180788- A01	KIT09551
Los Angeles	W2D864B	L03A00454	AFDE053 9FB0A10	CHUMASH	SANTA YNEZ CA	180788- A01	KIT09551
Los Angeles	W2B527A	L02A00076	AFDD021 1FA0A1E 0C3CB	CRYSTAL CATHEDRAL OCTOBER 2001	EL MONTE CA	180788- A02	KIT09548
Los Angeles	W2B527B	L02A00079	AFDD021 1FA0A1E 0C3CB	CRYSTAL CATHEDRAL OCTOBER 2001	EL MONTE CA	180788- A02	KIT09548
Los Angeles	W2D004A	L02H14114	AFDE027 1FA0A10	CTI - PAT - WILSHIRE	SANTA MONICA CA	180788- A01	KIT09551
Los Angeles	W2D293A	L02J16227	AFDE037 0FA0A10	EARTHLINK R&R 2 TOWNER	PASADENA CA	180788- A01	KIT09551
Los Angeles	W2H290	L04E02264	AFDF045 5GH0C10 A1000	HAZARD CENTER AFD	IRVINE CA	180788- A03	KIT09549
Los Angeles	W2E951B	L03H06541	AFDE022 6FB0A10	HEALTHCARE CONSULTATION CENTER PH II - USC	LOS ANGELES CA	180788- A01	KIT09551
Los Angeles	W2R527	L03M08230	AFDF051 3FG0C10 A100C	JAMBOREE CENTER 3 PARK AFD	CITY OF INDUSTRY CA	180788- A03	KIT09549
Los Angeles	W2E737B	L03H06552	AFDE051 3FB0A10	KAISER ONTARIO	FONTANA CA	180788- A01	KIT09551
Los Angeles	W2F906A	L03L07824	AFDD072 4GA0A10 0DCCA	LA CONVENTION CENTER 2003 ORDER	BLOOMINGTON CA	180788- A04	KIT09550
Los Angeles	W2F426A	L03J06825	AFDE028 0FB0A10	LEISURE WORLD	LAGUNA BEACH CA	180788- A01	KIT09551
Los Angeles	W2F426B	L03J06826	AFDE028 0FB0A10	LEISURE WORLD	LAGUNA BEACH CA	180788- A01	KIT09551
Los Angeles	W2G307A	L04A00139	AFDE035 4FB0A10	MACY'S STANFORD	PALO ALTO CA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Los Angeles	W2B139A	L02B02708	AFDD031 2FA0A10 0C8AC	MIDWAY POST OFFICE (REVISED FILE - 10/31/01)	SAN DIEGO CA	180788- A02	KIT09548
Los Angeles	W2D966A	L03E04853	AFDE060 5FB0A10	MT. SAC	WALNUT CA	180788- A01	KIT09551
Los Angeles	W2D966B	L03E04854	AFDE060 5FB0A10	MT. SAC	WALNUT CA	180788- A01	KIT09551
Los Angeles	W2B286A	L01L12889	AFDD026 2FA0A10 0C5CB	NISSAN CHILLER REPLACEMENT	CHINO CA	180788- A02	KIT09548
Los Angeles	W2R517	L03E04896	AFDF051 2GG0C10 A1B0A	NORTHROP PLAZA - AFD W/CH531	CITY OF INDUSTRY CA	180788- A03	KIT09549
Los Angeles	W2B547A	L02A00519	AFDD084 0FA0A10 0DCCA	PACIFIC DESIGN CENTER - 1000 TON	EL MONTE CA	180788- A04	KIT09550
Los Angeles	W2R581	L04A00331	AFDF028 7FG0C10 A100C	PASADENA TWR VFD REMOTE	ROWLAND HEIGHTS CA	180788- A02	KIT09548
Los Angeles	W2C146A	L02C05856	AFDD119 4FA0A10 0DFCA	USC - SCOT DUNCAN	LOS ANGELES CA	180788- A04	KIT09550
Los Angeles	W2C572A	L02F10165	AFDD120 0FA0A10 0DFCB	USC - SCOT DUNCAN CHILLER 2	LOS ANGELES CA	180788- A04	KIT09550
Los Angeles	W2B853A	L02B03387	AFDD048 3FA0A10 0C8CA	WASHINGTON MUTUAL BUILDING 7,8,11,10,15	CHINO CA	180788- A03	KIT09549
Los Angeles	W2B853B	L02B03166	AFDD034 6FA0A10 0C8CA	WASHINGTON MUTUAL BUILDING 7,8,11,10,15	CHINO CA	180788- A02	KIT09548
Los Angeles	W2H188	L04D02039	AFDF047 3GG0C10 A1A0A	WB STUDIO PLAZA	ROWLAND HEIGHTS CA	180788- A03	KIT09549
Lubbock	L5W363A	L02J16175	AFDE022 5FA0A10	LUBBOCK COUNTY CHILLER REPLACEMENT	LUBBOCK TX	180788- A01	KIT09551
Madison	T1S740A	L02M21853	AFDE016 4FB0A10	MISSISSIPPI RIVER NATIONAL FINAL	DUBUQUE IA	180788- A01	KIT09551
Madison	T1S740B	L02M21859	AFDE016 4FB0A10	MISSISSIPPI RIVER NATIONAL FINAL	DUBUQUE IA	180788- A01	KIT09551
Memphis	K2S088A	L03E04831	AFDE040 4FB0A10	BROWN-KOPEL BUSINESS CENTER CHILLER	HENDERSON TN	180788- A01	KIT09551
Memphis	K2E055A	L03G05834	AFDE020 4FB0A10	JACKSON STATE OFFICE BUILDING	JACKSON TN	180788- A01	KIT09551
Memphis	K2E015A	L03F05456	AFDE047 1FB0A10	SHADES OF GREEN	LAKE BUENA VISTA FL	180788- A01	KIT09551
Memphis	K2F767A	L04A00098	AFDD106 4FA0A10 0DEAJ	SHELBY COUNTY GOVERNMENT - 201 POPLAR	MEMPHIS TN	180788- A04	KIT09550
Memphis	K2F768A	L04B00493	AFDD106 4FA0A10 0DEAJ	SHELBY COUNTY GOVERNMENT - 201 POPLAR	MEMPHIS TN	180788- A04	KIT09550



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Mexico	57J253A	L02C05852	AFDD026 4FA0A1E 0C3CB	57J253/254 GULFSTREAM	CALEXICO CA	180788- A02	KIT09548
Miami	H4J970A	L03H06618	AFDD075 6FA0A1F 0D8AF	HARRISBURG INTERNATIONAL AIRPORT - CHILLERS	MIDDLETOWN PA	180788- A04	KIT09550
Miami	H4J970B	L03H06620	AFDD075 6FA0A1F 0D8AF	HARRISBURG INTERNATIONAL AIRPORT - CHILLERS	MIDDLETOWN PA	180788- A04	KIT09550
Miami	H4K280A	L03K07632	AFDD102 2FA0A1F 0DCCA	MIAMI BEACH CONVENTION CENTER	MIAMI BEACH FL	180788- A04	KIT09550
Milwaukee	T5P390A	L04B00843	AFDE018 7GB0A10	MILWAUKEE POLICE ADMINISTRATION BUILDING - GASAI	WEST MILWAUKEE WI	180788- A01	KIT09551
Milwaukee	T5P390B	L04B00857	AFDE018 7GB0A10	MILWAUKEE POLICE ADMINISTRATION BUILDING - GASAI	WEST MILWAUKEE WI	180788- A01	KIT09551
Milwaukee	T5K556A	L02K19813	AFDE056 4GB0A10	ST. LUKE'S CARDIAC CENTER AND PATIENT TOWER-IOS	MILWAUKEE WI	180788- A01	KIT09551
Milwaukee	T5K556B	L02K19814	AFDE056 4GB0A10	ST. LUKE'S CARDIAC CENTER AND PATIENT TOWER-IOS	MILWAUKEE WI	180788- A01	KIT09551
Milwaukee	T5M638A	L03D03955	AFDD110 7GA0A10 0DCEG	US BANK CHILLER REPLACEMENT	MILWAUKEE WI	180788- A04	KIT09550
Milwaukee	T5M778A	L03D04401	AFDE015 8GB0A10	WISCONSIN HEART HOSPITAL	OAK CREEK WI	180788- A01	KIT09551
Milwaukee	T5M778B	L03D04408	AFDE015 8GB0A10	WISCONSIN HEART HOSPITAL	OAK CREEK WI	180788- A01	KIT09551
Nashville	P4H171A	L04B00498	AFDD090 2GA0A1F 0DCAF	ANMED HEALTH WOMENS CENTER - 85% ADD#1 REVISIONS	ANDERSON SC	180788- A04	KIT09550
Nashville	P4D890A	L02E09321	AFDD064 0FA0A1B 0C8AD	BELLSOUTH MOBILITY NEW	NASHVILLE TN	180788- A03	KIT09549
New Haven	B1H561A	L03F05454	AFDE045 6FB0A10	BRANFORD INTERMEDIATE SCHOOL	PLAINVILLE CT	180788- A01	KIT09551
New Haven	B1F410B	L02A00056	AFDD033 6FA0A10 0C6CB	MERRITT 7 BUILDING 601	BRANFORD CT	180788- A02	KIT09548
New Orleans	K4G214A	L02A00522	AFDD028 3FA0A10 0C6CA	ARMY CORPS CENTRAL PLANT BID	NEW ORLEANS LA	180788- A02	KIT09548
New Orleans	K4G214B	L02A00524	AFDD028 3FA0A10 0C6CB	ARMY CORPS CENTRAL PLANT BID	NEW ORLEANS LA	180788- A02	KIT09548
New Orleans	K4G650A	L02L20112	AFDE025 9FB0A10	DOUBLETREE HOTEL CHILLER REPLACEMENT	ARABI LA	180788- A01	KIT09551
New Orleans	K4G650B	L02L20381	AFDE025 9FB0A10	DOUBLETREE HOTEL CHILLER REPLACEMENT	ARABI LA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
New York	B3U813A	L03M08541	AFDE041 0GB0A10	650 5TH AVE - CHILLER REPLACEMENT	HAUPPAUGE NY	180788- A01	KIT09551
New York	B3U813B	L03M08553	AFDE041 0GB0A10	650 5TH AVE - CHILLER REPLACEMENT	HAUPPAUGE NY	180788- A01	KIT09551
New York	B3L200A	L03D04075	AFDE052 2GB0A10	AIG DATA CENTER II	FORT WORTH TX	180788- A01	KIT09551
New York	B3L200B	L03D04089	AFDE052 2GB0A10	AIG DATA CENTER II	FORT WORTH TX	180788- A01	KIT09551
New York	B3L200C	L03D04099	AFDE052 2GB0A10	AIG DATA CENTER II	FORT WORTH TX	180788- A01	KIT09551
New York	B3L200D	L03D04236	AFDE052 2GB0A10	AIG DATA CENTER II	FORT WORTH TX	180788- A01	KIT09551
New York	B3U609A	L03K07464	AFDE056 8FB0A10	CLEVELAND PLAYHOUSE REVISION 2	CLEVELAND OH	180788- A01	KIT09551
New York	B3Z450A	L02L20509	AFDE019 5FB0A10	GOOD SAMARITAN HOSPITAL	COPIAGUE NY	180788- A01	KIT09551
New York	B3Z450B	L02L20511	AFDE019 5FB0A10	GOOD SAMARITAN HOSPITAL	COPIAGUE NY	180788- A01	KIT09551
New York	B3M080A	L02A01081	AFDD035 2FA0A1E 0C8AD	NYPA HEADQUARTERS BUILDING CHILLERS ORDER FILE	BROOKLYN NY	180788- A02	KIT09548
New York	B3M080B	L02A01172	AFDD035 2FA0A1E 0C8AD	NYPA HEADQUARTERS BUILDING CHILLERS ORDER FILE	BROOKLYN NY	180788- A02	KIT09548
New York	B3U472A	L03K07246	AFDE036 2FB0A10	ONE STATE STREET ORDER	HARTFORD CT	180788- A01	KIT09551
New York	B3U472B	L03K07248	AFDE036 2FB0A10	ONE STATE STREET ORDER	HARTFORD CT	180788- A01	KIT09551
Norfolk	E5E473A	L02D08060	AFDD037 7GA0A10 0C6CB	LANDMARK COMMUNICATIONS - BRAMBLETON CHILLER	CHESAPEAKE VA	180788- A02	KIT09548
Norfolk	E5F068A	L02K19060	AFDE054 4GA0A10	NNSB CENTRAL PLANT	NEWPORT NEWS VA	180788- A01	KIT09551
Norfolk	E5F068B	L02K19063	AFDE054 4GA0A10	NNSB CENTRAL PLANT	NEWPORT NEWS VA	180788- A01	KIT09551
North Jersey	B6J572A	L02D06185	AFDD024 2FA0A1E 0C6CA	CNA INSURANCE	SOUTH PLAINFIELD NJ	180788- A02	KIT09548
North Jersey	B6J603A	L02E09328	AFDD044 8FA0A1D 0C8AD	HERCULES CHILLER (HLPD)	SOUTH PLAINFIELD NJ	180788- A03	KIT09549
North Jersey	B6J731A	L03B02679	AFDD093 6FA0A1F 0DECA	QUEENS CENTER MALL EXPANSION CENTRIFUGAL CHILLERS	BROOKLYN NY	180788- A04	KIT09550
North Jersey	B6J731B	L03B02693	AFDD093 6FA0A1F 0DECA	QUEENS CENTER MALL EXPANSION CENTRIFUGAL CHILLERS	BROOKLYN NY	180788- A04	KIT09550
North Jersey	B6Q989A	L03F05774	AFDE034 7FB0A10	RUTGERS - HALE CENTER IMPROVEMENTS	PISCATAWAY NJ	180788- A01	KIT09551
North Jersey	B6Z237A	L03D04242	AFDE017 9FB0A10	RUTGER'S STUDENT CENTER	MAHWAH NJ	180788- A01	KIT09551
North Jersey	B6C626A	L03A01520	AFDE038 4FB0A10	UNIVERSITY PLAZA CHILLER REPLACEMENT	HACKENSACK NJ	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Oklahoma City	L1M768A	L02A01552	AFDD034 4FA0A10 0C5CB	DHS CENTRIFUGAL CHILLER	OKLAHOMA CITY OK	180788- A02	KIT09548
Oklahoma City	L1M768B	L02A01554	AFDD034 4FA0A10 0C5CB	DHS CENTRIFUGAL CHILLER	OKLAHOMA CITY OK	180788- A02	KIT09548
Oklahoma City	L1A125A	L03G06158	AFDE019 7FB0A10	OU CHILLED WATER PLANT 3	NORMAN OK	180788- A01	KIT09551
Oklahoma City	L1A125B	L03G06164	AFDE019 7FB0A10	OU CHILLED WATER PLANT 3	NORMAN OK	180788- A01	KIT09551
Omaha	Q4T163A	L03D04419	AFDD061 5FA0A1F 0DCCA	GOOD SAMARITAN HOSPITAL - PHASE I PROJECT	KEARNEY NE	180788- A04	KIT09550
Omaha	Q4S015A	L02B03643	AFDD071 0FA0A1F 0DCAF	MID-AMERICA RECREATION AND CONVENTION COMPLEX	COUNCIL BLUFFS IA	180788- A04	KIT09550
Omaha	Q4T101A	L03C03356	AFDD102 1FA0A10 0DEAE	VIRON-BOYSTOWN ENERGY PLANT	BOYSTOWN NE	180788- A04	KIT09550
Omaha	Q4T101B	L03C03571	AFDD102 1FA0A10 0DEAC	VIRON-BOYSTOWN ENERGY PLANT	BOYSTOWN NE	180788- A04	KIT09550
Omaha	Q4S147A	L02E08979	AFDD073 2FA0A10 0D8CA	WAYNE STATE ENERGY PLANT	WAYNE NE	180788- A04	KIT09550
Omaha	Q4S147B	L02E08981	AFDD073 2FA0A10 0D8CA	WAYNE STATE ENERGY PLANT	WAYNE NE	180788- A04	KIT09550
Orlando	H3N064A	L03D04434	AFDE030 9FB0A10	SUMTER LANDING	THE VILLAGES FL	180788- A01	KIT09551
Orlando	H3N064B	L03D04436	AFDE030 9FB0A10	SUMTER LANDING	THE VILLAGES FL	180788- A01	KIT09551
Orlando	H3N064C	L03D04582	AFDE030 9FB0A10	SUMTER LANDING	THE VILLAGES FL	180788- A01	KIT09551
Orlando	H3J719A	L01M13679	AFDD027 7FA0A1E 0C6AD	TYCO HEALTHCARE - MAGELLAN PROJECT	DELAND FL	180788- A02	KIT09548
Orlando	H3N420A	L03F05460	AFDE023 6FB0A10	US FEDERAL COURTHOUSE CHILLER #2 AND ASHRAE	ORLANDO FL	180788- A01	KIT09551
Orlando	H3N867A	L03H06409	AFDE023 6FB0A10	US FEDERAL COURTHOUSE CHILLER #2 AND ASHRAE	ORLANDO FL	180788- A01	KIT09551
Philadelphia	D2P643A	L03E05133	AFDE038 3FB0A10	ASTRAZENECA - BUILDING 6A - CHILLERS [COPY]	WILMINGTON DE	180788- A01	KIT09551
Philadelphia	D2P643B	L03E05141	AFDE038 3FB0A10	ASTRAZENECA - BUILDING 6A - CHILLERS [COPY]	WILMINGTON DE	180788- A01	KIT09551
Philadelphia	D2L674A	L02H14579	AFDE035 9FA0A10	COLORITE CHILLER REPLACEMENT	PHILADELPHIA PA	180788- A01	KIT09551
Philadelphia	D2P604A	L03D03943	AFDE035 8FB0A10	COLORITE PROCESS CHILLER	BURLINGTON NJ	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Philadelphia	D2R864A	L04B00864	AFDE057 4GB0A10	DOYLESTOWN HOSPITAL CHILLER	PHILADELPHIA PA	180788- A01	KIT09551
Philadelphia	D2R864B	L04B00866	AFDE057 4GB0A10	DOYLESTOWN HOSPITAL CHILLER	PHILADELPHIA PA	180788- A01	KIT09551
Philadelphia	D2N485A	L03A00439	AFDE028 8FB0A10	FIRST UNION - TYSON'S CORNER [COPY]	UPPER MARLBORO MD	180788- A01	KIT09551
Philadelphia	D2N485B	L03A00441	AFDE028 8FB0A10	FIRST UNION - TYSON'S CORNER [COPY]	UPPER MARLBORO MD	180788- A01	KIT09551
Philadelphia	D2S179A	L04B00881	AFDE027 4GB0A10	IAS CHILLER PLANT	PRINCETON NJ	180788- A01	KIT09551
Philadelphia	D2P810A	L03D04638	AFDE034 2FB0A10	INTERBORO HIGH SCHOOL	PROSPECT PARK PA	180788- A01	KIT09551
Philadelphia	D2S307B	L04B00846	AFDE034 3FB0A10	PHOENIX MECHANICAL - MONTGOMERY COUNTY GERIATRIC	ROYERSFORD PA	180788- A01	KIT09551
Philadelphia	D2S142B	L04B00691	AFDE040 5GB0A10	RUBENSTEIN - ST. DAVIDS CENTER	PHILADELPHIA PA	180788- A01	KIT09551
Phoenix	V3D640A	L03J06959	AFDE056 0GB0A10	EAST CENTRAL MIDDLE SCHOOL	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3D640B	L03J06961	AFDE056 0GB0A10	EAST CENTRAL MIDDLE SCHOOL	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3E133A	L03J06962	AFDE059 3FB0A10	MEDTRONIC BRUCE 650 TON CTV	TEMPE AZ	180788- A01	KIT09551
Phoenix	V3E588A	L03M08319	AFDE027 1FB0A10	POINTE SOUTH MOUNTAIN AFD	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3C922A	L03E05167	AFDE040 3FB0A10	SPECTRUM ASTRO	GILBERT AZ	180788- A01	KIT09551
Phoenix	V3D034A	L03C03337	AFDE060 4FB0A1S	USAA PHOENIX NORTERRA CAMPUS PROJECT PHASE 1A	DEER VALLEY AZ	180788- A01	KIT09551
Phoenix	V3D827A	L03J07125	AFDE036 1GB0A10	WELLS FARGO OCOTILLO SITE	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3D827B	L03J07126	AFDE036 1GB0A10	WELLS FARGO OCOTILLO SITE	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3D827C	L03J07132	AFDE036 1GB0A10	WELLS FARGO OCOTILLO SITE	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3D827D	L03K07235	AFDE036 1GB0A10	WELLS FARGO OCOTILLO SITE	PHOENIX AZ	180788- A01	KIT09551
Phoenix	V3D828A	L03K07439	AFDD074 5GA0A10 0DCCA	WELLS FARGO PLAZA TOWER	PHOENIX AZ	180788- A04	KIT09550
Phoenix	V3D828B	L03K07449	AFDD074 5GA0A10 0DCCA	WELLS FARGO PLAZA TOWER	PHOENIX AZ	180788- A04	KIT09550
Phoenix	V3D828C	L03K07447	AFDD074 5GA0A10 0DCCA	WELLS FARGO PLAZA TOWER	PHOENIX AZ	180788- A04	KIT09550
Pittsburgh	D3P490A	L03C03775	AFDE036 6GB0A10	ST MARGARETS CHILLER PLANT - BHKRA #97051.34	PITTSBURGH PA	180788- A01	KIT09551
Pittsburgh	D3M389A	L02A01592	AFDD084 1GA0A10 0DCAF	UPMC SHADYSIDE CHILLER #5	PITTSBURGH PA	180788- A04	KIT09550



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Pittsburgh	D3M391A	L02A01590	AFDD093 0GA0A10 0DCAD	UPMC SHADYSIDE CHILLER #9	PITTSBURGH PA	180788- A04	KIT09550
Portland, ME	A2V317A	L02F10957	AFDD092 3GA0A10 0DCAF	LONZA - CHILLER ORDER	NEWINGTON NH	180788- A04	KIT09550
Portland, ME	A2V317B	L02F10967	AFDD092 3GA0A10 0DCAD	LONZA - CHILLER ORDER	NEWINGTON NH	180788- A04	KIT09550
Portland, ME	A2V317C	L02F10964	AFDD059 0GA0A10 0C7AF	LONZA - CHILLER ORDER	NEWINGTON NH	180788- A03	KIT09549
Portland, ME	A2V317D	L02F10968	AFDD059 0GA0A10 0C7AD	LONZA - CHILLER ORDER	NEWINGTON NH	180788- A03	KIT09549
Portland, ME	A2A925A	L03L08013	AFDE044 1FB0A10	UNUMPROVIDENT ADDITIONAL CHILLER	AUBURN ME	180788- A01	KIT09551
Portland, OR	Y2J631A	L03J06815	AFDE060 7GB0A10	LEWIS AND CLARK CHILLER	PORTLAND OR	180788- A01	KIT09551
Portland, OR	Y2J975A	L03M08532	AFDE038 6FB0A10	RVMC - HARDER MECHANICAL	MEDFORD OR	180788- A01	KIT09551
Providence	A5G192A	L03H06414	AFDE038 2FB0A10	AT CROSS CTV FINAL 6.24.02	LINCOLN RI	180788- A01	KIT09551
Providence	A5E947A	L02F10161	AFDD017 1FA0A1E 0C3CA	JOHNSON AND WALES HOSP SSS CHILLER REPLACE 4/23	CRANSTON RI	180788- A02	KIT09548
Providence	A5H425A	L04B00609	AFDE032 0FB0A10	NEW BEDFORD VOTECH CH-2	NEW BEDFORD MA	180788- A01	KIT09551
Providence	A5E699A	L02B02714	AFDD030 7FA0A10 0C6CA	ST. ANNE'S EBS	CRANSTON RI	180788- A02	KIT09548
Puerto Rico	55E639A	L04E02277	AFDD083 5FB0A10 0DCAD	55E639 - LS04-036 MC NEIL LAS PIEDRAS CHILLER	JACKSONVILLE FL	180788- A04	KIT09550
Puerto Rico	55E639B	L04E02297	AFDD083 5FB0A10 0DCAD	55E639 - LS04-036 MC NEIL LAS PIEDRAS CHILLER	JACKSONVILLE FL	180788- A04	KIT09550
Quebec City, Quebec	CEH904A	L02A00544	AFDD064 2GA0A10 0C8CB	CBC TORONTO	RICHMOND HILL ON	180788- A03	KIT09549
Raleigh	F4C238A	L04B00657	AFDE028 8GB0A10	ECU WEST END DINING CHILLERS	GREENVILLE NC	180788- A01	KIT09551
Raleigh	F4C238B	L04B00658	AFDE028 8GB0A10	ECU WEST END DINING CHILLERS	GREENVILLE NC	180788- A01	KIT09551
Raleigh	F4A522	L02J16485	AFDF046 2FG0C13 A100C	RICHMOND MEMORIAL HOSPITAL -(ORDER) ER ADDITION	ROCKINGHAM NC	180788- A03	KIT09549
Richmond	E3A542A	L02H14589	AFDE057 6GA0A10	WINCHESTER MEDICAL CTR CHILLER ADD - RD/ 3326	WINCHESTER VA	180788- A01	KIT09551
Richmond	E3A542B	L02H15109	AFDE057 6GA0A10	WINCHESTER MEDICAL CTR CHILLER ADD - RD/ 3326	WINCHESTER VA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Roanoke	E4L029A	L02C04853	AFDD044 2FA0A10 0C7CB	RAAP - BLDG 3522 CHILLER REPLACEMENT	RADFORD VA	180788- A03	KIT09549
Rochester	C4K673A	L02K18038	AFDE030 4FB0A10	PHELPS CLIFTON SPRINGS	CLIFTON SPRINGS NY	180788- A01	KIT09551
Sacramento	X2P939A	L03B02285	AFDE032 0FB0A10	CIVIC CENTER EAST WING	FREMONT CA	180788- A01	KIT09551
Sacramento	X2Q527A	L03J06983	AFDD082 4FA0A10 0DCCA	COUNTY OF SOLANO CENTRAL PLANT	FAIRFIELD CA	180788- A04	KIT09550
Sacramento	X2Q527B	L03J07101	AFDD082 4FA0A10 0DCCA	COUNTY OF SOLANO CENTRAL PLANT	FAIRFIELD CA	180788- A04	KIT09550
Sacramento	X2Q389A	L03H06340	AFDE022 0FB0A10	CSUS - MODOC HALL	SACRAMENTO CA	180788- A01	KIT09551
Sacramento	X2Q033A	L03E05195	AFDE027 4GB0A10	SUTTER TRACY HOSPITAL - CH	TRACY CA	180788- A01	KIT09551
Sacramento	X2P847A	L03A00987	AFDD078 5FA0A10 0D8CA	THUNDER VALLEY CASINO	LINCOLN CA	180788- A04	KIT09550
Sacramento	X2P847B	L03A00993	AFDD078 5FA0A10 0D8CA	THUNDER VALLEY CASINO	LINCOLN CA	180788- A04	KIT09550
San Antonio	L6E371B	L03M08297	AFDE031 5FB0A10	BAMC	FORT SAM HOUSTON TX	180788- A01	KIT09551
San Antonio	L6D830A	L03M08229	AFDD091 1FA0A1F 0DCAC	CORPUS CHRISTI BAYFRONT ARENA CHILLERS	CORPUS CHRISTI TX	180788- A04	KIT09550
San Antonio	L6D830B	L03M08260	AFDD091 1FA0A1F 0DCAF	CORPUS CHRISTI BAYFRONT ARENA CHILLERS	CORPUS CHRISTI TX	180788- A04	KIT09550
San Antonio	L6D553A	L03G05860	AFDE032 4FB0A10	THERMAL ENERGY PLANT	BROWNSVILLE TX	180788- A01	KIT09551
San Antonio	L6D553B	L03G05861	AFDE032 4FB0A10	THERMAL ENERGY PLANT	BROWNSVILLE TX	180788- A01	KIT09551
San Antonio	L6B870A	L02L20492	AFDE031 0FB0A10	UVALDE MEMORIAL HOSPITAL	UVALDE TX	180788- A01	KIT09551
San Diego	W3C816A	L03J06965	AFDE038 4FB0A10	110 PLAZA - ENERGY RETROFIT	LAKESIDE CA	180788- A01	KIT09551
San Diego	W3T126A	L03M08178	AFDE047 2FB0A10	29 PALMS ENERGY CONSERVATION PHASE IV	TWENTYNINE PALMS MCB CA	180788- A01	KIT09551
San Diego	W3T126B	L03M08179	AFDE047 2FB0A10	29 PALMS ENERGY CONSERVATION PHASE IV	TWENTYNINE PALMS MCB CA	180788- A01	KIT09551
San Diego	W3T108A	L03C03121	AFDE047 2FB0A10	29 PALMS PHASE III ENERGY CONSERVATION UPGRADE	LAKESIDE CA	180788- A01	KIT09551
San Diego	W3T108B	L03C03128	AFDE022 3FB0A10	29 PALMS PHASE III ENERGY CONSERVATION UPGRADE	LAKESIDE CA	180788- A01	KIT09551
San Diego	W3T108C	L03C03131	AFDE022 3FB0A10	29 PALMS PHASE III ENERGY CONSERVATION UPGRADE	LAKESIDE CA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
San Diego	W3T108D	L03C03133	AFDE047 2FB0A10	29 PALMS PHASE III ENERGY CONSERVATION UPGRADE	LAKESIDE CA	180788- A01	KIT09551
San Diego	W3B154A	L03M08317	AFDE023 4FB0A10	CALLEN RD. CENTRAL AC PLANT	SAN DIEGO CA	180788- A01	KIT09551
San Diego	W3W234 A	L03K07313	AFDE030 4FB0A10	SDG&E 101 W ASH CHILLER REPLACEMENT	LAKESIDE CA	180788- A01	KIT09551
San Diego	W3R572A	L02G12504	AFDE019 3FA0A10	SDSU- CHAPULTEPEC CENTRIFUGAL CHILLER	SAN DIEGO CA	180788- A01	KIT09551
San Diego	W3W226 A	L03J07104	AFDD076 3FA0A10 0D7AC	SDSU HALL OF FAME CHILLER ADDITION	LAKESIDE CA	180788- A04	KIT09550
San Diego	W3C324A	L01M13014	AFDD032 3FA0A10 0C5CB	SYRRX	SAN DIEGO CA	180788- A02	KIT09548
San Diego	W3C324B	L01M13016	AFDD032 3FA0A10 0C5CA	SYRRX	SAN DIEGO CA	180788- A02	KIT09548
San Diego	W3A053A	L02J17092	AFDE027 5FA0A10	UNION BANK 530 "B" STREET CHILLER CHANGE OUT	LAKESIDE CA	180788- A01	KIT09551
San Diego	W3A053B	L02J17094	AFDE027 5FA0A10	UNION BANK 530 "B" STREET CHILLER CHANGE OUT	LAKESIDE CA	180788- A01	KIT09551
San Francisco	X1T643	L03L07756	AFDF032 4FG0C10 A100D	455 MARKET - AFD CHILLER ONE	SUNNYVALE CA	180788- A02	KIT09548
San Francisco	X1A046A	L02B03946	AFDD081 8FA0A1F 0DCGB	525 MARKET - PCTS	SAN LEANDRO CA	180788- A04	KIT09550
San Francisco	X1A046B	L02B03977	AFDD039 6FA0A1E 0C8GB	525 MARKET - PCTS	SAN LEANDRO CA	180788- A02	KIT09548
San Francisco	X1B223A	L04B00564	AFDE037 2FB0A10	ACCO JH FORM FACTOR CHILLERS (X1-20920 1ST [COPY])	HAYWARD CA	180788- A01	KIT09551
San Francisco	X1B223B	L04B00567	AFDE037 2FB0A10	ACCO JH FORM FACTOR CHILLERS (X1-20920 1ST [COPY])	HAYWARD CA	180788- A01	KIT09551
San Francisco	X1A845A	L02K18587	AFDE051 3FA0A10	ADOBE PHASE 2 TOWER 2	SAN JOSE CA	180788- A01	KIT09551
San Francisco	X1A845B	L02K18589	AFDE051 3FA0A10	ADOBE PHASE 2 TOWER 2	WEST MENLO PARK CA	180788- A01	KIT09551
San Francisco	X1A391A	L02E09746	AFDE033 3FA0A10	CELL GENESYS--S.S.F. -- RICK TAIPALE X1-20357	HAYWARD CA	180788- A01	KIT09551
San Francisco	X1A391B	L02E09755	AFDE033 3FA0A10	CELL GENESYS--S.S.F. -- RICK TAIPALE X1-20357	HAYWARD CA	180788- A01	KIT09551
San Francisco	X6C070A	L03J06908	AFDE029 5FB0A10	CHEVRONTXACO CONCORD CH-2 CVHE500	PETALUMA CA	180788- A01	KIT09551
San Francisco	X1B492A	L03G06153	AFDE038 4FB0A10	DE YOUNG MUSEUM - CMI	MENLO PARK CA	180788- A01	KIT09551
San Francisco	X1B492B	L03G06151	AFDE030 8FB0A10	DE YOUNG MUSEUM - CMI	MENLO PARK CA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
San Francisco	X1A422A	L02F10516	AFDE032 4FA0A10	DELTAGEN -- LOEK -- CHILLERS+COILS X1- 20372	MENLO PARK CA	180788- A01	KIT09551
San Francisco	X1A422B	L02F10518	AFDE032 4FA0A10	DELTAGEN -- LOEK -- CHILLERS+COILS X1- 20372	MENLO PARK CA	180788- A01	KIT09551
San Francisco	X1B768A	L03J06968	AFDE027 9FB0A10	HEADWAY CHILLER REPL.	SAN JOSE CA	180788- A01	KIT09551
San Francisco	X1C257A	L04B00924	AFDD070 6FA0A10 0DCCB	HEADWAY EXPANSION	MILPITAS CA	180788- A04	KIT09550
San Francisco	X1C257B	L04B00926	AFDD070 6FA0A10 0DCCA	HEADWAY EXPANSION	MILPITAS CA	180788- A04	KIT09550
San Francisco	X1B327A	L03E04857	AFDE014 2FB0A10	IDT- 1	SANTA CLARA CA	180788- A01	KIT09551
San Francisco	X1S880A	L01L11479	AFDD040 6FA0A10 0C8CA	KAISER FOUNDATION HEALTH PLAN	SAN LEANDRO CA	180788- A02	KIT09548
San Francisco	X1S880B	L01L11481	AFDD040 6FA0A10 0C8CA	KAISER FOUNDATION HEALTH PLAN	SAN LEANDRO CA	180788- A02	KIT09548
San Francisco	X6B656A	L02D08056	AFDD048 7FA0A10 0C7CA	LANTERMAN DEVELOPMENT CENTER (3) 600 TON VFD	POMONA CA	180788- A03	KIT09549
San Francisco	X6B656B	L02D08058	AFDD048 7FA0A10 0C7CA	LANTERMAN DEVELOPMENT CENTER (3) 600 TON VFD	POMONA CA	180788- A03	KIT09549
San Francisco	X6B656C	L02D08067	AFDD048 7FA0A10 0C7CA	LANTERMAN DEVELOPMENT CENTER (3) 600 TON VFD	POMONA CA	180788- A03	KIT09549
San Francisco	X1B857A	L03K07442	AFDE040 6GB0A10	LETTERMAN DIGITAL	SAN LEANDRO CA	180788- A01	KIT09551
San Francisco	X1B857B	L03K07445	AFDD073 1GA0A10 0DCCB	LETTERMAN DIGITAL	SAN LEANDRO CA	180788- A04	KIT09550
San Francisco	X1B857C	L03K07454	AFDD073 1GA0A10 0DCCB	LETTERMAN DIGITAL	SAN LEANDRO CA	180788- A04	KIT09550
San Francisco	X6C144A	L03M08417	AFDE038 4FB0A10	QB-3 MISSION BAY CHILLER	SAN FRANCISCO CA	180788- A01	KIT09551
San Francisco	X6C144B	L03M08428	AFDE038 4FB0A10	QB-3 MISSION BAY CHILLER	SAN FRANCISCO CA	180788- A01	KIT09551
San Francisco	X1A154A	L02D06224	AFDD023 5FA0A10 0C6CA	RAVEN TECHNOLOGIES-- SOUTHLAND IND X1- 20196	SAN JOSE CA	180788- A02	KIT09548
San Francisco	X1A154B	L02D06540	AFDD023 5FA0A10 0C6CB	RAVEN TECHNOLOGIES-- SOUTHLAND IND X1- 20196	SAN JOSE CA	180788- A02	KIT09548
San Francisco	X6B713A	L02F10969	AFDE036 4FA0A10	SANDIA LABS - BLDG. 943 SECOND CHILLER	LIVERMORE CA	180788- A01	KIT09551
San Francisco	X6B938A	L03D04403	AFDE017 5GB0A10	SANDIA NATIONAL LAB BLDG. 968	LIVERMORE CA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
San Francisco	X1T641	L03L07755	AFDF032 4FG0C10 A100D	SANTA CLARA COUNTY WEST WING - AFD	SUNNYVALE CA	180788- A02	KIT09548
San Francisco	X1A777A	L02K18045	AFDE031 1GB0A10	SEAGATE - MILPITAS, CA (BLDG. 8A CHILLERS) REV. 8	MILPITAS CA	180788- A01	KIT09551
San Francisco	X1A468A	L02G12191	AFDD024 8FA0A10 0C5CB	UCSF MISSION BAY BUILDING 19B-CHILLERS	SAN JOSE CA	180788- A02	KIT09548
San Francisco	X1A468B	L02G12479	AFDD024 8FA0A10 0C5CB	UCSF MISSION BAY BUILDING 19B-CHILLERS	SAN JOSE CA	180788- A02	KIT09548
San Francisco	X1A468C	L02G12480	AFDD024 8FA0A10 0C5CA	UCSF MISSION BAY BUILDING 19B-CHILLERS	SAN JOSE CA	180788- A02	KIT09548
San Francisco	X1T603	L03C03306	AFDF032 2FG0C10 A1000	WELLS FARGO FREMONT - AFD	SUNNYVALE CA	180788- A02	KIT09548
Santa Rosa	X8R003A	L03C03603	AFDE023 4FB0A10	CHILLER BUILDING # 900	WINDSOR CA	180788- A01	KIT09551
Santa Rosa	X8R001A	L03D04098	AFDE033 5GB0A10	OAKLAND INTERNATIONAL AIRPORT	OAKLAND CA	180788- A01	KIT09551
Seattle	Y3C490A	L01M13271	AFDD060 4FA0A1B 0C8CB	BOEING BLDG. 9-50	SEATTLE WA	180788- A03	KIT09549
Seattle	Y3C490B	L01M13273	AFDD060 4FA0A1B 0C8CB	BOEING BLDG. 9-50	SEATTLE WA	180788- A03	KIT09549
Seattle	Y3C997A	L02G12495	AFDD060 4FA0A1B 0C8CB	BOEING BLDG. 9-50 3RD CHILLER	SEATTLE WA	180788- A03	KIT09549
Seattle	Y3C238B	L01K10997	AFDD062 7GA0A1B 0C7CB	IMMUNEX HELIX PROJECT	SEATTLE WA	180788- A03	KIT09549
Seattle	Y3C238C	L01K11004	AFDD062 7GA0A1B 0C7CB	IMMUNEX HELIX PROJECT	SEATTLE WA	180788- A03	KIT09549
Seattle	Y3E177A	L03J06929	AFDE055 2GB0A10	OSTROM'S MECHANICAL SYSTEM UPGRADE	OLYMPIA WA	180788- A01	KIT09551
Seattle	Y3C845A	L02E08719	AFDD033 7FA0A1E 0C5CA	TULALIP CASINO	MARYSVILLE WA	180788- A02	KIT09548
Seattle	Y3C845B	L02E08721	AFDD033 7FA0A1E 0C5CA	TULALIP CASINO	MARYSVILLE WA	180788- A02	KIT09548
Shreveport	K7G522A	L03E05148	AFDD078 8FA0A1F 0DCAF	STEPHEN F. AUSTIN STATE UNIVERSITY	NACOGDOCHES TX	180788- A04	KIT09550
Shreveport	K7G522B	L03E05152	AFDD078 8FA0A1F 0DCAF	STEPHEN F. AUSTIN STATE UNIVERSITY	NACOGDOCHES TX	180788- A04	KIT09550
Sioux Falls	R6C066A	L03E05016	AFDE042 1FB0A10	TYSON/IBP EVENT CENTER 1 - CHILLERS	SIOUX CITY IA	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Sioux Falls	R6C066B	L03E05006	AFDD077 7FA0A10 0DCCB	TYSON/IBP EVENT CENTER 1 - CHILLERS	SIOUX CITY IA	180788- A04	KIT09550
Springfield, MA	A3A477A	L02D07168	AFDD117 2GA0A1F 0DFAD	MASS MUTUAL - 1500 TON CHILLER	SPRINGFIELD MA	180788- A04	KIT09550
Springfield, MA	A3A904A	L03E05198	AFDE046 8FB0A10	MILFORD WHITINSVILLE REGIONAL HOSPITAL - VOLUME 1	MILFORD MA	180788- A01	KIT09551
Springfield, MA	A3A680A	L02H15110	AFDE021 3GA0A10	STCC - TECHNOLOGY PARK	SPRINGFIELD MA	180788- A01	KIT09551
Springfield, MA	A3A680B	L02H15111	AFDE021 3GA0A10	STCC - TECHNOLOGY PARK	SPRINGFIELD MA	180788- A01	KIT09551
Springfield, MA	A3A480A	L02C04848	AFDD020 0FA0A1E 0C5AD	UMASS - FINE ARTS CENTER	AMHERST MA	180788- A02	KIT09548
Springfield, MA	A3A480B	L02C04846	AFDD020 0FA0A1E 0C5AF	UMASS - FINE ARTS CENTER	AMHERST MA	180788- A02	KIT09548
St. Louis	Q3S777A	L02K18056	AFDD071 5GA0A10 0D8CB	CITICORP MORTGAGE PPN	O FALLON MO	180788- A04	KIT09550
St. Louis	Q3S884A	L03D04077	AFDE032 2FB0A10	LADUE CHILLERS	SAINT LOUIS MO	180788- A01	KIT09551
St. Louis	Q3Q782A	L01M13250	AFDD088 1FA0A1F 0DCAH	RHODES TOWER	COLUMBUS OH	180788- A04	KIT09550
St. Louis	Q3Q782B	L01M13257	AFDD088 1FA0A1F 0DCAH	RHODES TOWER	COLUMBUS OH	180788- A04	KIT09550
St. Louis	Q3Q782C	L01M13265	AFDD088 1FA0A1F 0DCAH	RHODES TOWER	COLUMBUS OH	180788- A04	KIT09550
St. Louis	Q3T102A	L02K19790	AFDE027 2FB0A10	USPS-TETERBORO, NJ	TETERBORO NJ	180788- A01	KIT09551
St. Louis	Q3T102B	L02K19792	AFDE027 2FB0A10	USPS-TETERBORO, NJ	TETERBORO NJ	180788- A01	KIT09551
St. Louis	Q3T102C	L02K19797	AFDE027 2FB0A10	USPS-TETERBORO, NJ	TETERBORO NJ	180788- A01	KIT09551
St. Louis	Q3T102D	L02K19799	AFDE027 2FB0A10	USPS-TETERBORO, NJ	TETERBORO NJ	180788- A01	KIT09551
Syracuse	C5K655A	L02C04420	AFDD027 5GA0A10 0C6CB	CAYUGA MEDICAL CENTER - ROUND 2	SYRACUSE NY	180788- A02	KIT09548
Syracuse	C5M072A	L03B02689	AFDE047 2FB0A10	HAMILTON COLLEGE NEW SCIENCE CTR	FRANKFORT NY	180788- A01	KIT09551
Syracuse	C5M072B	L03B02694	AFDE047 2FB0A10	HAMILTON COLLEGE NEW SCIENCE CTR	FRANKFORT NY	180788- A01	KIT09551
Syracuse	C5N031A	L03K07617	AFDE048 2GB0A10	TESSY 603 EXPANSION- CTV	ELBRIDGE NY	180788- A01	KIT09551
Tallahassee	H7B936A	L02D06708	AFDD017 4FA0A1E 0C4AH	DEPARTMENT OF AGRICULTURE - MAYO BUILDING	TALLAHASSEE FL	180788- A02	KIT09548



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Tallahassee	H7B424A	L02A01050	AFDD029 7GA0A1E 0C6AH	NEIL KIRKMAN BUILDING	TALLAHASSEE FL	180788- A02	KIT09548
Tallahassee	H7B424B	L02A01051	AFDD029 7GA0A1E 0C6AH	NEIL KIRKMAN BUILDING	TALLAHASSEE FL	180788- A02	KIT09548
Tallahassee	H7D387A	L03G05848	AFDE012 6GB0A10	TURLINGTON BUILDING (DOE)	TALLAHASSEE FL	180788- A01	KIT09551
Tampa	H5E973A	L01M14055	AFDD053 1FA0A10 0C8CA	BETHUNE COOKMAN COLLEGE	DAYTONA BEACH FL	180788- A03	KIT09549
Tampa	H5H202C	L02J15628	AFDE057 7FA0A10	COS - CEP	CLEARWATER FL	180788- A01	KIT09551
Tampa	H5J332A	L03A00980	AFDE058 9GB0A10	VA BAY PINES 825 TONS CHILLER	MADEIRA BEACH FL	180788- A01	KIT09551
Toledo	N6N336A	L03D04426	AFDE029 6GB0A10	DANA ASG TECH CENTER	MAUMEE OH	180788- A01	KIT09551
Toledo	N6N336B	L03D04428	AFDE029 6GB0A10	DANA ASG TECH CENTER	MAUMEE OH	180788- A01	KIT09551
Toledo	N6N921A	L04C01172	AFDD089 1FA0A10 0DFCB	LA-Z-BOY UTAH CVHF 2004	TREMONTON UT	180788- A04	KIT09550
Toronto, Ontario	CHI324A	L03A01525	AFDD113 1FA0A10 0DCAK	UNIVERSITY HEALTH NETWORK - TORONTO WESTERN	TORONTO ON	180788- A04	KIT09550
Tucson	V8A652A	L03A00424	AFDD115 2GA0A1F 0DEAD	TMC NEW CHILLER (CH-3)	TUCSON AZ	180788- A04	KIT09550
Tucson	V8A318A	L02C05223	AFDD120 0GA0A1F 0DEAD	TUCSON MEDICAL CENTER WATER CHILLER	TUCSON AZ	180788- A04	KIT09550
Twin Cities	S3N144B	L03K07451	AFDD074 7GA0A10 0D8CB	MINNEAPOLIS COMMUNITY/TECHNICAL COLLEGE	NEW BRIGHTON MN	180788- A04	KIT09550
Twin Cities	S3L297B	L02F10073	AFDD027 4GA0A10 0C5CB	PRAIRIE'S EDGE CASINO RESORT	SAINT CLOUD MN	180788- A02	KIT09548
Unknown	59T499A	L02M22812	AFDD091 1FA0A10 0DCAC	59T499 - ITESM	LAREDO TX	180788- A04	KIT09550
Unknown	59T500A	L02M22846	AFDD091 1FA0A10 0DCAE	59T500 - ITESM	LAREDO TX	180788- A04	KIT09550
Unknown	59T501A	L03A00453	AFDD091 1FA0A10 0DCAE	59T501 - ITESM	LAREDO TX	180788- A04	KIT09550
Unknown	75A433A	L03K07425	AFDE051 2SB0A10	75A433 - NATIONAL CENTER FOR CHILD H & D	SEATTLE WA	180788- A01	KIT09551
Vancouver, B.C.	CTV490A	L03K07436	AFDE060 3FB0A10	TD TOWER CHILLER REPL 60702	VANCOUVER BC	180788- A01	KIT09551
Vancouver, B.C.	CTV511A	L04A00075	AFDE060 0FB0A10	TD TOWER CHILLER REPL 60702	DELTA BC	180788- A01	KIT09551



Table 2. Centrifugal Units Shipped with AFDD or AFDE (sorted by office, then job name)

Office Name	Sales Order	Unit Serial Number	Drive MODEL	Job Name	Location	Rockwell Kit No.	Trane Kit No.
Vancouver, B.C.	CTV197A	L03B02703	AFDD074 2FA0A10 0D8CA	TOWER II, PACIFIC CENTRE - CHILLER REPL 60475	DELTA BC	180788- A04	KIT09550
Vancouver, B.C.	CTV197B	L03B02705	AFDD074 2FA0A10 0D8CB	TOWER II, PACIFIC CENTRE - CHILLER REPL 60475	DELTA BC	180788- A04	KIT09550
Washington D.C.	E2U605C	L03G05840	AFDE019 6FB0A10	N H D P	UPPER MARLBORO MD	180788- A01	KIT09551
Washington D.C.	E2G998A	L02A00521	AFDD076 9FA0A10 0D8GA	SKYLINE PLAZA CONDOMINIUMS	WOODBIDGE VA	180788- A04	KIT09550
West Palm Beach	H6F418B	L03H06549	AFDE030 7GB0A10	STUART NEWS-SCRIPPS HOWARD 4/2/03	PORT SAINT LUCIE FL	180788- A01	KIT09551

Product Changes

Rockwell has changed the resistor vendor.

Questions

For general questions contact the CTV Technical Service department in La Crosse at 608-787-3943 or e-mail at TechService@trane.com.



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For more information contact your local district office or e-mail us at comfort@trane.com

Literature Order Number	CTV-SVC12B-EN
File Number	SL-RF-CTV-CTV-SVC12B-EN-1004
Supersedes	CTV-SVC12A-EN
Stocking Location	Electronic Only

Trane has a policy of continuous product data and product improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this bulletin.