



TRANE®

DATE: 3-10-97

ABSORPTION LIQUID CHILLER

ABTE TWO-STAGE STEAM OR HOT WATER ABSORPTION
UNIT SCHEMATIC WIRING DIAGRAM

MAIN POWER CONNECTION, STARTER AND STEPPER CONTROL MODULES AND PUMP MOTOR

DRAWING NUMBER
2307-3291
SHEET 1 OF 4

REV
A

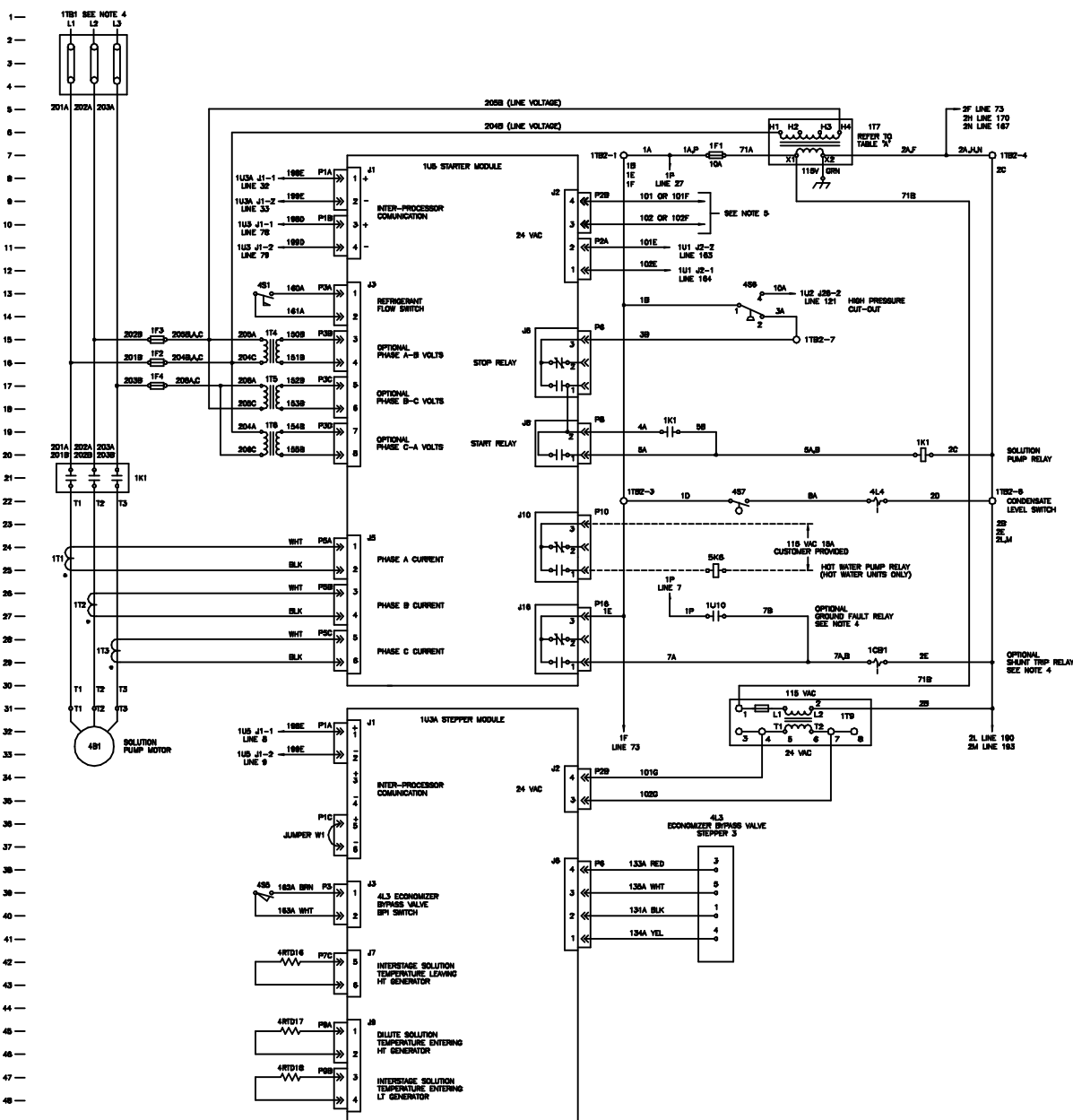


TABLE "A"		
LINE VOLTAGE	CONNECTION	
200 - 60 HZ	H1 AND H2	
230 - 60 HZ	H1 AND H3	
380 - 60 HZ	H1 AND H4	
480 - 60 HZ	H1 AND H4	
575 - 60 HZ	H1 AND H2	
190 - 50 HZ	H1 AND H2	
230 - 50 HZ	H1 AND H2	
380 - 50 HZ	H1 AND H3	
415 - 50 HZ	H1 AND H4	
600 - 50 HZ	H1 AND H4	

NOTE:

- SOLID LINES INDICATE WIRING BY THE TRANE COMPANY AND DASHED LINES INDICATE FIELD WIRING PROVIDED BY CUSTOMER. REFER TO FIELD WIRING LAYOUT AND CONNECTION DIAGRAMS TO DETERMINE THE ACTUAL CUSTOMER SUPPLIED DEVICES AND WIRING REQUIRED ON THE UNIT.
- UNLESS OTHERWISE SPECIFIED, ALL SWITCHES ARE SHOWN AT 250 (77F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
- ALL TIME DEVICES AND ASSOCIATED WIRING MARKED AS OPTIONAL MAY NOT BE PRESENT ON THE UNIT UNLESS REQUIRED BY CONTROL OPTIONS SPECIFIED ON THE SALES ORDER. REFER TO THE AS-BUILT SCHEMATIC WIRING DIAGRAM SUPPLIED WITH THE UNIT TO DETERMINE OPTIONAL TRANE DEVICES AND WIRING ACTUALLY SUPPLIED ON THE UNIT.
- TERMINAL BLOCK SHOWN OPTIONAL. CONTROL PANEL POWER CONNECTIONS MAY BE TO A FUSED OR NON-FUSED DISCONNECT SWITCH, OR A CIRCUIT BREAKER WITH OR WITHOUT SHUNT TRIP AND GROUND FAULT PROTECTION RELAYS, AS SPECIFIED ON THE SALES ORDER FOR THE UNIT.
- IF 1UB OPTIONS MODULE IS PRESENT:
WIRE 101F CONNECTS TO 1UB J2-2, LINE 144 AND WIRE 102F CONNECTS TO 1UB J2-1, LINE 145.
IF 1UB IFC BUFFER MODULE AND/OR 1U7 PRINTER COMMUNICATION MODULE AND/OR 1UB TRACER COMMUNICATION MODULE IS PRESENT AND 1UB OPTIONS MODULE IS NOT PRESENT, THE ORDER OF WIRING PREFERENCE IS:
WIRE 101 CONNECTS TO 1UB J2-A, LINE 216 AND WIRE 102 CONNECTS TO 1UB J2-B, LINE 217
OR
WIRE 101 CONNECTS TO 1UB J2-A, LINE 228 AND WIRE 102 CONNECTS TO 1UB J2-B, LINE 229
OR
WIRE 101 CONNECTS TO 1U7 J2-A, LINE 255 AND WIRE 102 CONNECTS TO 1U7 J2-B, LINE 256

DEVICE PREFIX CODE:
1 = MAIN CONTROL PANEL
3 = REMOTE MOUNTED DEVICE
4 = UNIT MOUNTED DEVICE
5 = PROVIDED BY CUSTOMER
DASHED LINES INDICATE WIRING BY CUSTOMER

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY

WARNING
HAZARDOUS VOLTAGE
DISCONNECT ALL ELECTRIC POWER
BEFORE SERVICING. DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE
SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT
VOLTAGE HAZARDEUX
DISCONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES
DISCONNECTEURS AVANT D'ENTRAÎNER
L'ENTRETIEN. L'ENTRETIEN PEUT ENTRAÎNER DES
BLESSURES CORPORELLES SÉRIEUSES
OU LA MORT.

CAUTION
USE COPPER CONDUCTORS ONLY.
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.