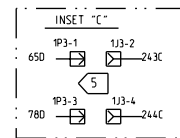
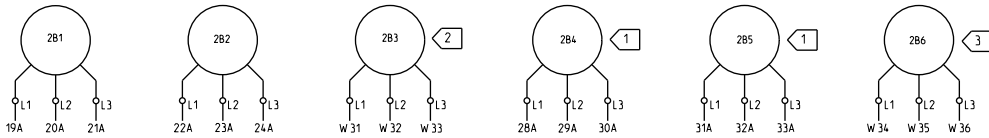


AREA 2 CONDENSER FAN MOTORS

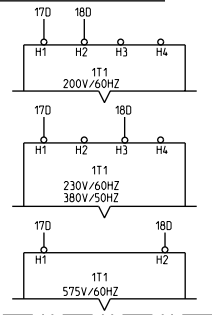


TRANE	
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DRAWN BY: T. DEPRIEST	TRANE DATE: 07/31/08
REPLACES: 2307-4482	REVISION DATE: 8-12-09
CAD SYSTEM USED: PRO/DETAIL	SIMILAR TO: ---

FILE NUMBER:	DRAWING NUMBER:	SHEET:	REV
	2307-9121	1 OF 1	D
SPLIT SYSTEM CONDENSING UNIT			
DIAGRAM			
CONNECTION - MAIN CONTROL BOX & RACEWAY DEVICES			
RA 20-60 TON			
SHEET 1 OF 2			

IMPORTANT!
DO NOT ENERGIZE UNIT
UNTIL CHECK-OUT AND
START-UP PROCEDURE HAS
BEEN COMPLETED.

INSET A (OPTIONAL TRANSFORMER CONNECTIONS)



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.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN
CUIVRE!
LES BORNES DE L'UNITÉ NE SONT PAS
CONÇUES POUR RECEVOIR D'AUTRES TYPES
DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR
PEUT ENDOMMAGER L'EQUIPEMENT.

PRECAUCIÓN

UTILICE ÚNICAMENTE CONDUCTORES DE
COBRE!
LAS TERMINALES DE LA UNIDAD NO ESTÁN
DISEÑADAS PARA ACEPTAR OTROS TIPOS DE
CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL
EQUIPO.

NOTE:

- 1B10, 1B11, 1D19, 1F4, 1F5, 1F6, 1F9, 1K3, 1K4, 1K8, 1K9, 1K12, 1K14, 1K16, 1T84, 1U6, 2B4, 2B5, 3B3, 3B4, 3B3HR14, 3B4HR15, 4S2, 4S4, 4S6, 4S12, 4S77 AND ASSOCIATED WIRING ARE USED ON 40 THRU 60 TON UNITS ONLY.
- 1K7, 2B3, 1S36 AND ASSOCIATED WIRING ARE USED ON 25, 30, 50 AND 60 TON UNITS ONLY.
- 1K10, 2B6, 1S37 AND ASSOCIATED WIRING ARE USED ON 50 AND 60 TON UNITS ONLY.
- TRANSFORMER (1T1) PRIMARY (LINE) CONN. AS SHOWN IS FOR 460V/60HZ AND 415V/50HZ. SEE INSET "A" FOR OTHER VOLTAGE CONNECTIONS.
- 1S36, 1S37 AND ASSOCIATED WIRING ARE USED WITH LOW AMBIENT OPTION ONLY. ON UNITS WITHOUT LOW AMBIENT OPTION AND ALL EVP UNITS CONNECT JACK 1J3-2 TO PLUG 1P3-1 AND JACK 1J3-4 TO PLUG 1P3-3. SEE INSET "C".
- OPTIONAL PLATE AS SHOWN IS FOR "NO SYSTEM CONTROLS". SEE OPTIONAL CONTROL PLATE DIAGRAM FOR OTHER CONNECTIONS.
- 7R10, 7R11, 7U9, 7U10, 7U15, 7U16 AND ASSOCIATED WIRING ARE USED WITH 40 THRU 60 TON UNITS ONLY.
- "58 PSIG" PRESSURE SWITCH APPLIES TO UNITS WITH NO CONTROLS. VARIABLE AIR VOLUME AND CONSTANT VOLUME. "82 PSIG" PRESSURE SWITCH APPLIES TO UNITS WITH EVAPORATOR CONTROLS.
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- COIL CONNECTION VARIATION TO COOLING RELAY (1K13) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. "49B"
40 - 60 TON UNITS -- USE WIRE NO. "51B"
- CONNECTION VARIATION TO JACK CONNECTOR (1J1-6) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. "49B"
40 - 60 TON UNITS -- USE WIRE NO. "49K"
- WIRES "W40" & "W41" REQUIRED ONLY WITH LOW AMBIENT DAMPER OPTION.
- CONNECTION VARIATION TO COMPRESSOR FIXED ON TIMER (7U14) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. "49D"
40 - 60 TON UNITS -- USE WIRE NO. "51D"
- 4S5 & 4S6 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REFRIGERANT FLOW CONDITION EXISTS (25 PSIG). CAUTION!! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.
-
- CUT 1U3 PHASE MONITOR JUMPER WIRE ON 380V/415V/50HZ APPLICATIONS ONLY.
- NOTE SYMBOL USED WITH 200/230V UNITS. SYMBOL USED WITH 380/415/460/575V UNITS.

MAIN CONTROL BOX (AREA NO. 1)

