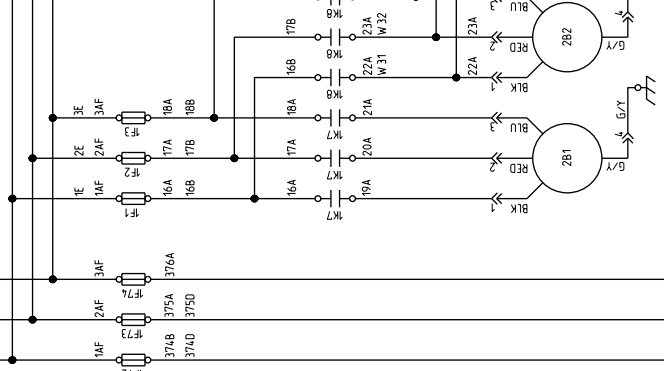
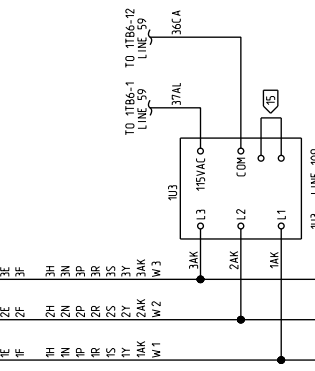
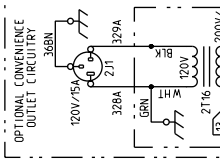
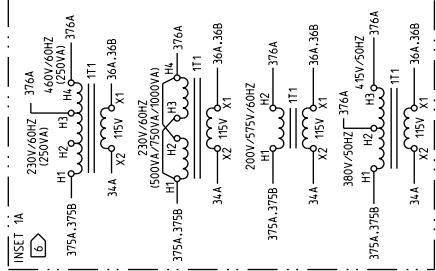


1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT AMBIENT HUMIDITY, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED FIELD OUTLINE INDICATES COMPONENTS PROVIDED BY OTHERS. DASHED LINE INDICATES WIRING BY TRANSFORMER CO. OR AVAILABLE SALES OFFICE. SOLID LINE INDICATES WIRING BY TRANS. CO.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SHEET ARE DESIGNATED THE LOCATION OF THE FIELD OUTLINE. THE NUMBERING OF THE FIELD OUTLINE IS BASED ON THE CLOSED CONTACT. AN OPEN ARROWHEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIEPOINT WHICH BEGINS TIMING WHEN ENERGIZED.

Ⓛ SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT.

Ⓜ 460V/60HZ (250VA/750VA/7000VA) TRANSFORMER SHOWN. SEE INSET 'A' FOR 460V/60HZ (250VA/750VA/7000VA) TRANSFORMER. 380V-415V/50HZ CONNECTIONS.

Ⓝ 200V/460V/60V/60HZ TRANSFORMERS SHOWN. SEE INSET 'B' FOR 230V/575V/60HZ AND 380V-415V/50HZ CONNECTIONS.

Ⓞ 200V/460V/60V/60HZ TRANSFORMER SHOWN. SEE INSET 'C' FOR 230V/575V/60V/60HZ TRANSFORMER.

Ⓟ SEE APPLICABLE VARIABLE FREQUENCY DRIVE DIAGRAM FOR BALANCE OF CIRCUIT.

Ⓠ CUT 1/3 PHASE MONITOR AMPER WIRE ON 380V-415V/50HZ APPLICATIONS ONLY.

DEVICE DESIGN	LEGEND	LINE NUMBER
L800	CIRCUIT BREAKER - COMPRESSOR	27
L811	CIRCUIT BREAKER - COMPRESSOR	32
L881	CIRCUIT BREAKER - COMPRESSOR	36
L89	CIRCUIT BREAKER - COMPRESSOR	21
#1	FUSE - CONDENSER FAN	37
#2	FUSE - CONDENSER FAN	37
#3	FUSE - CONDENSER FAN	37
#4	FUSE - CONDENSER FAN	37
#5	FUSE - CONDENSER FAN	37
#5	FUSE - CONVENIENCE OUTLET	35
#56	FUSE - CONVENIENCE OUTLET	35
#57	FUSE - SUPPLY FAN V.F.D.	31
#58	FUSE - SUPPLY FAN V.F.D.	31
#59	FUSE - SUPPLY FAN V.F.D.	31
#6	FUSE - CONDENSER FAN	37
#63	FUSE - EXHAUST FAN V.F.D.	31
#64	FUSE - EXHAUST FAN V.F.D.	31
#65	FUSE - EXHAUST FAN V.F.D.	31
#7	FUSE - CONTROL CIRCUIT	57
#72	FUSE - TRANSFORMER CIRCUIT	37
#73	FUSE - TRANSFORMER CIRCUIT	37
#74	FUSE - TRANSFORMER CIRCUIT	37
#75	SWITCH - CONTROL CIRCUIT	57
1570	SWITCH - 24V TRANSFORMER	56
1574	SWITCH - CONV. OUTLET	17
111	TRANSFORMER - CONTROL POWER	56
112	TRANSFORMER - 24 VAC	54
113	TRANSFORMER - 24 VAC	54
114	TRANSFORMER - 24 VAC	54
103	PHASE MONITOR	27
281	MOTOR - CONDENSER FAN	48
2817	COMPRESSOR	14
2818	HEATER - CRANK CASE	14
2819	COMPRESSOR	28
2819HS	HEATER - CRANK CASE	25
282	MOTOR - CONDENSER FAN	48
283	MOTOR - CONDENSER FAN	48
284	MOTOR - CONDENSER FAN	48
285	MOTOR - CONDENSER FAN	48
286	MOTOR - CONDENSER FAN	48
287	COMPRESSOR	22
281812R	HEATER - CRANK CASE	19
288	COMPRESSOR	33
2881814	HEATER - CRANK CASE	30
2116	TRANSFORMER - CONV. OUTLET	13
3810	MOTOR - EXHAUST FAN	23
389	MOTOR - SUPPLY FAN	23
3072	V.F.D. - SUPPLY FAN	23
3074	V.F.D. - EXHAUST FAN	25

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 REÇOIVRE 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.

TERMINAL BLOCK USAGE	
DEVICE DESIG	DESCRIPTION
1TB4-1TB5-1TB16-1TB17	CONTROLS - CUSTOMER CONNECTIONS
1TB6-1TB10	CONTROLS - FACTORY
4TB2	POWER - ELECTRIC HEAT OPTION

DEVELOPE DESIGN	DESCRIPTION	LINE NUMBER
TK3	CONTACTOR - COMPRESSOR	125/131
TK4	CONTACTOR - COMPRESSOR	126
TK5	CONTACTOR - COMPRESSOR	127
TK6	CONTACTOR - COMPRESSOR	140
TK7	CONTACTOR - CONDENSER FAN	133
TK8	CONTACTOR - CONDENSER FAN	135
TK9	CONTACTOR - CONDENSER FAN	150
TK10	CONTACTOR - CONDENSER FAN	152

TRANE THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE		FILE NUMBER: 2307-9104	DRAWING NUMBER: 2307-9108	SHEET: 1 of 1	REV C
ROOFTOP PACKAGED AIR CONDITIONER DIAGRAM					
DRAWN BY: D. SHANNON		TRANE® DATE: 9-16-09			
REPLACES: --		REVISION DATE: 07-JUN-10			
CAD SYSTEM USED: PRO/DIAGRAM		SIMILAR TO: --			
POWER SCHEMATIC - 20, 30-75 TON W/ SUPPLY AND EXH/RTN FAN VARIABLE FREQUENCY DRIVE SHEET 1 OF 5					