CHILLER REMOTE START/STOP
CHILLER CONTROL POWER
SW1 OFF/ON
JUMPER
11FU
1CCH 70 WATTS
2CCH 70 WATTS
1TR
5CR
1FLS FLOW SWITCH
2TR
1CB
2CR
3CR
CONTROL POWER ON (LED12)
START TIMER OFF DELAY, FIXED 15 SEC's
HIGH & LOW TEMPERATURE ELECTRONIC THERMOSTAT
1TAS-1
MOMENTARY FLOW INTERRUPT TIMER DELAY ON BREAK, FIXED 10 SEC's
GENERAL FLT ALRM RLY (OPT)
LOW WATER FLOW (LED10)
4TR
GENERAL FLT ALRM TIMER (OP) ON DELAY, 12 SECONDS
ALARM SILENCE
SW2
1LT
GENERAL FLT ALRM LIGHT (OP)
4CR
GENERAL FAULT ALARM SILENCE RELAY (OPTIONAL)
1AH
GENERAL FLT ALRM HORN (OP)
2OL
1OL
PUMP OVERLOAD (LED8)
1FS FLOAT SWITCH
2SOL
WATER MAKE-UP SOLENOID VALVE (OPTIONAL) WATTS____
HIGH TEMPERATURE (LED3)
RECIRCULATION PUMP STARTER
STAGE TWO HEATING 1TAS-2
JUMPER SINGLE PROCESS PUMP ONLY
PROCESS PUMP STARTER
PUMP(S) ON (LED6)
REFRIGERANT LOW PRESSURE (LED9)
REFRIGERANT HIGH PRESSURE (LED7)
COMPRESSOR-A OVERLOAD
COMPRESSOR-B OVERLOAD
1PS LOW PRESSURE SWITCH
2PS HIGH PRESSURE SWITCH
STAGE ONE COOLING 1TAS-3
COMPRESSOR "A" CONTACTOR (Farthest from the evaporator)
COMPRESSOR "A" HOUR METER (OPTIONAL)
COMPRESSOR "B" CONTACTOR (Closest to the evaporator)
COMPRESSOR "B" HOUR METER (OPTIONAL)
COMPRESSOR ON (LED2)
3SOL
LIQUID LINE SOLENOID VALVE (REMOTE CONDENSER CHILLERS ONLY) WATTS_____
AUXILIARY COMPRESSOR CONTACTS. 1CB (2 EA) REMOTE AIR COOLED CONDENSER MODELS ONLY.
1CB AUX
JUMPER AIR COOLED ONLY
3PS BLOWER CYCLING PRESSURE SWITCH
30L
40L
3M
4M
BLOWER FRONT STARTER AIR COOLED ONLY
BLOWER BACK STARTER AIR COOLED ONLY
REFRIGERANT LOW PRESSURE SWITCH BYPASS TIMER (3TR), OFF DELAY, SET FOR (3) MINUTES. REMOTE AIR COOLED CONDENSER MODELS ONLY.
SEE NOTE TO THE LEFT FOR 3TR USAGE
3TR
REMOTE CONDENSOR CONTROL CABINET
TB1-1
TB1-2
REMOTE CONDENSER FIELD CONTROL WIRING
LOW TEMPERATURE (LED1)
1CR
CONTROLLER ALARM #1 RELAY
2CR
CONTROLLER ALARM #2 RELAY
4SOL
HOT GAS BYPASS SOLENOID VALVE (LED4) WATTS_____
1CNTL, CHILLER PROCESS CONTROL
TC TYPE K
JUMPER
[+]YEL
[-]RED

OPTIONAL TEMPERATURE CONTROL UNIT CIRCUIT

TCU REMOTE START/STOP BY OTHERS
TCU CONTROL POWER
SW2 OFF/ON
JUMPER
6CR
CONTROL POWER ON (LED12)
VENT TIMER OFF DELAY, FIX 60 SEC
PUMP OVERLOAD (LED1)
LOW WATER PRESSURE (LED5)
4PS
LOW PRESSURE SWITCH
PUMP ON (LED2)
TCU PUMP STARTER
COOLING VALVE ON (LED6)
COOLING/VENT SOLENOID VALVE WATTS_____
HIGH/LOW TEMPERATURE (LED3)
ALARM #1 RELAY
HEATER CONTACTOR
HEATER ON (LED4)
TC TYPE K
[+]YEL
[-]RED
2CNTL, TCU PROCESS CONTROL
ESCK/LOVE

ASSOCIATED REFERENCE DRAWING

DRAWING NO. A0554933 CHILLER, 5-40HP, POWER

REV	DCN	DESCRIPTION	BY	DATE
G	0610-016	CHN IC TO 1CB & 1CR TO 2CR, ZONE D5	JCW	11/29/06
F	0610-015	CHANGED GENERAL FAULT DIVER, CHN BFU TO 11FU, ZONES C5&D7	JCW	10/25/06
E	0503-005	REVISED PER U.L. REQUIREMENTS	JAC	03/04/05
D	0401-002	REMOVED 1CA AUX CONT., ADDED A 2ND 1CB AUX	JCW	07/12/04
C	0301-006	ADD AUX NOTE, CHN 1C&1CR TO 1C3&2CR, CHN AWMU WIRE TO X1	JCW	07/21/03
B	0208-007	ADDED 1CA AUX AND 1CB AUX TO FANS	JCW	08/16/02
A	--	RELEASED TO PRODUCTION		06/29/01

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOL ON ANGLE ± = 0.5° 2 PLCS. = ±0.01 3 PLCS. = ±0.005 INTERPRET DIM AND TOL PER ASME Y14.5M-1994

3rd ANGLE PROJ.

DWN BY:	RLS
DATE DWN:	06-29-01
APVD BY:	
DATE APVD:	

Schematic, Wiring
Portable Chiller, 20-30hp
W/Pump

ORDER NO.: —
SIZE: D
SCALE: None
SHEET: 1 OF 1
DRAWING NO.: A0562343
REV.: G

A0548208 Rev. C
DWG.BORDER.LSTC.0