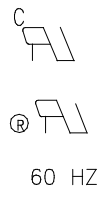


P/N 52409-H1  
MODEL PHTL



BALBOA INSTRUMENTS INC.  
TUSTIN, CA.

Certified to comply with  
the limits for a class B  
computing device pursuant  
to subpart J of part 15  
of the FCC rules



MODEL: WH-PHTL-CCAH

PAT. NO. 4618797

GROUND

W H T	B L K	R E D	G R N
Neutral	Hot	Hot	GROUND
USE COPPER WIRE MIN. 6 AWG			➔
120V/240V 60HZ 16A/40A			

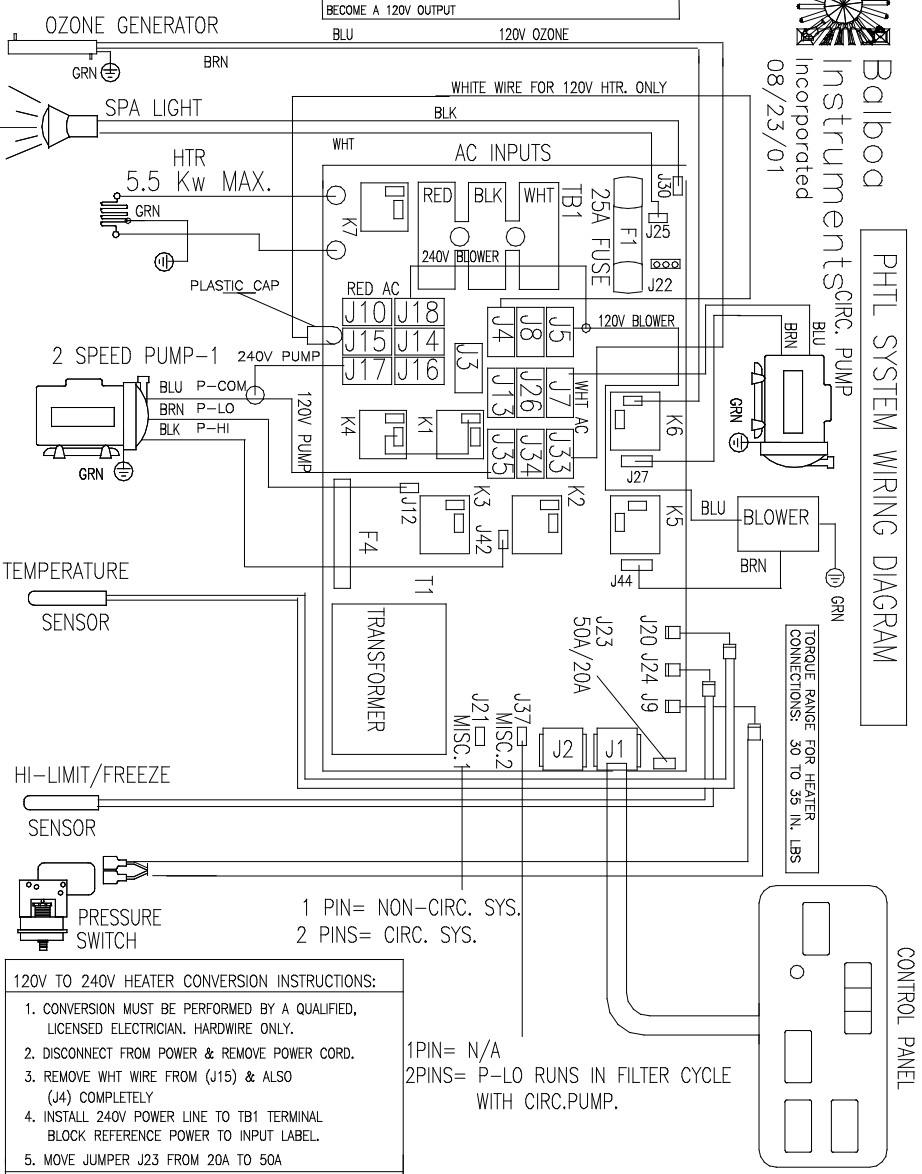
**PUMP & BLOWER CONVERSION INSTRUCTIONS**  
FOLLOW DASHED LINES FOR EACH COMPONENT CONFIGURATION  
\* NOTE: WHEN CONVERTING HEATER TO 120V, PUMP, BLOWER,  
BECOME A 120V OUTPUT



Balboa  
Instruments  
08/23/01

PHTL SYSTEM WIRING DIAGRAM

J & J PART#S
PUMP-1 20198
BLOWER 20677
CIRC.PUMP 20675
OZONE 20679
SPA LIGHT 20259



**120V TO 240V HEATER CONVERSION INSTRUCTIONS:**

- CONVERSION MUST BE PERFORMED BY A QUALIFIED, LICENSED ELECTRICIAN. HARDWARE ONLY.
- DISCONNECT FROM POWER & REMOVE POWER CORD.
- REMOVE WHT WIRE FROM (J15) & ALSO (J4) COMPLETELY
- INSTALL 240V POWER LINE TO TB1 TERMINAL BLOCK REFERENCE POWER TO INPUT LABEL.
- MOVE JUMPER J23 FROM 20A TO 50A

1 PIN= NON-CIRC. SYS.  
2 PINS= CIRC. SYS.  
1PIN= N/A  
2PINS= P-LO RUNS IN FILTER CYCLE WITH CIRC.PUMP.

If this unit is to be permanently connected, connect only to a circuit that is protected by a ground fault circuit interrupter (G.F.C.I.).

240V, 5.5KW  
HEATER, MAX.

TORQUE RANGE FOR HEATER CONNECTIONS: 30 TO 35 IN. LBS