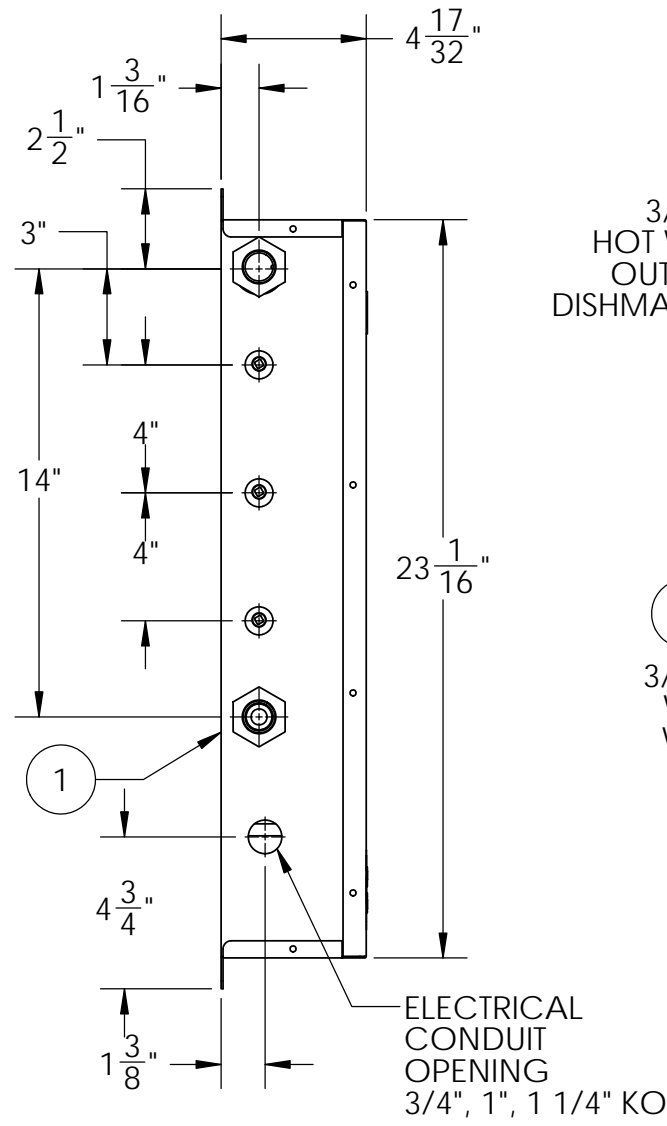


DETAIL A
SCALE 1 : 2



3/4" CTS
HOT WATER
OUTLET TO
DISHMACHINE

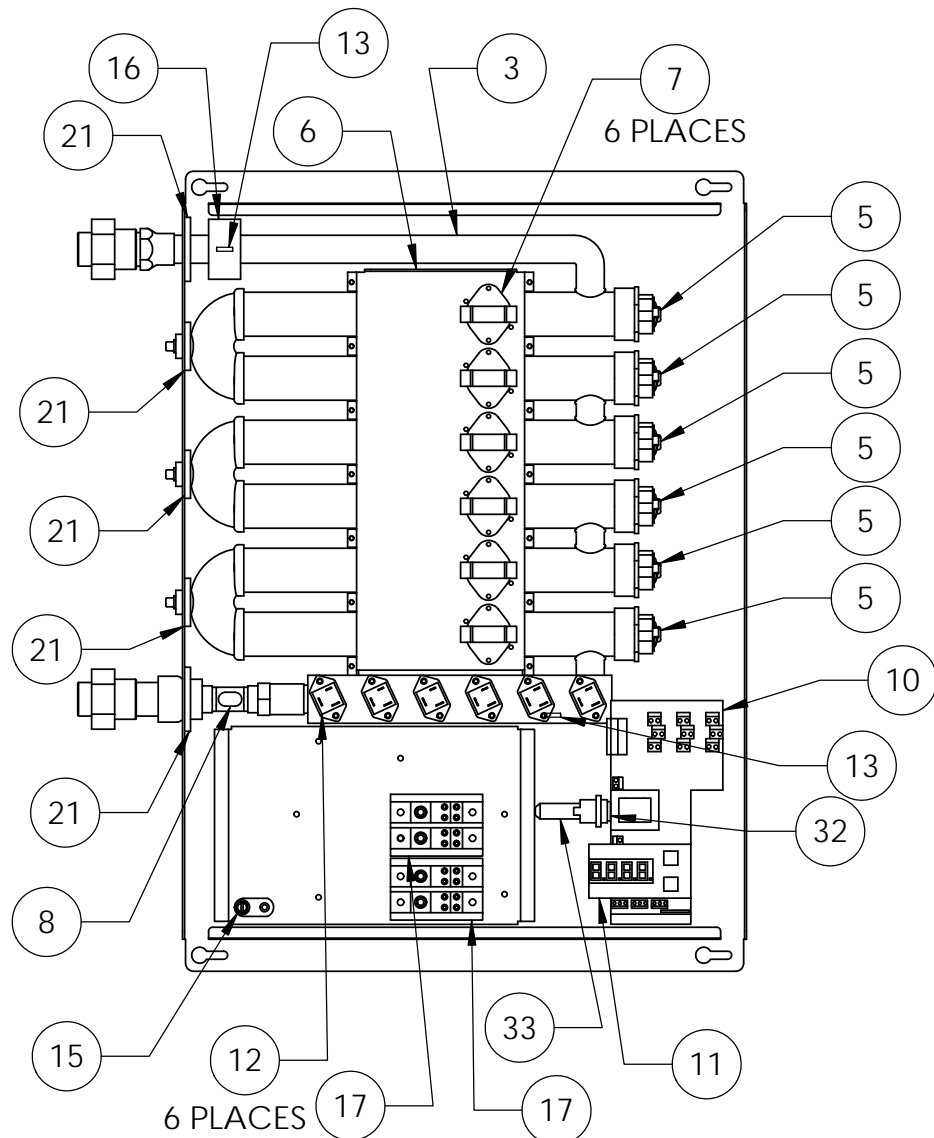
3/4" CTS
WARM
WATER
INLET

ELECTRICAL
CONDUIT
OPENING
3/4", 1", 1 1/4" KO

NAMEPLATE

LED DISPLAY

12" MIN. FOR
ELEMENT
WITHDRAWL



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DIMENSIONS ARE IN INCHES
TOLERANCES:
(UNLESS OTHERWISE SPECIFIED)
FRACTIONAL: ±1/4
ANGULAR: MACH ±1/2° BEND ±1°
TWO PLACE DECIMAL ±0.01
THREE PLACE DECIMAL ±0.005

ZONE	REV.	DESCRIPTION	DATE	APPROVED
REVISIONS				

DATE	NAME	Hubbell™ Stratford, CT 06615 (203) 378-2659			
DRAWN 01/19/11	PRD	The Electric Heater Company			
CHECKED 01/19/11	SW				
ENG APPR. 01/19/11	PRD				Customer:
MFG APPR. 01/19/11	WEN III				Description: TANKLESS ELECTRIC BOOSTER HEATER, 42 kW @ 240 V, 1Ph
SIZE	DWG. NO.	REV			
B	JTX042-6S		SCALE: 1:1	FSCM: 19857	
				SHEET 1 OF 2	


ITEM NO.	QTY.	PART NO. / DWG. NO.	MATERIAL	DESCRIPTION
1	1	D-1111	STAINLESS STEEL	BACK CASING ASSEMBLY
2	1	D-1110	STAINLESS STEEL	FRONT COVER
3	1	JTK6-FM	COPPER / BRASS	HEATER TUBE ASSEMBLY
4	--	--	--	--
5	6	N1315-7000	INCOLOY / BRASS	HEATING ELEMENT, 7000W @ 240V
6	1	D-1114	ALUMINUM	TOP HEATER TUBE SUPPORT
7	6	20603L13-44	VARIOUS	HI-LIMIT SWITCH, AUTO RESET (SET TO 200°F)
8	1	TK FLOW BR	BRASS	FLOW METER, 0.2-8 GPM
9	--	--	--	--
10	1	TK2250	VARIOUS	ELECTRONIC TEMPERATURE CONTROLLER
11	1	TKD2000	VARIOUS	LED DISPLAY
12	6	TG40E60	VARIOUS	TRIAC
13	2	USP9509	VARIOUS	THERMISTOR
14	AS REQ'D		COPPER	WIRE: POWER: #10 AWG, CONTROL: #18 AWG, THHN (90°C)
15	1	KA-4C	COPPER	GROUND LUG
16	1		POLYURETHANE	THERMISTOR INSULATION
17	2	67572	VARIOUS	POWER DISTRIBUTION BLOCK
18	--	--	--	--
19	--	--	--	--
20	3	PLUGBR 1/8	BRASS	DRAIN PLUG, 1/8" NPT
21	5		RUBBER	INLET / OUTLET / DRAIN CASING GASKETS
22	1	TANKLESS OVERLAY	LEXAN	DISPLAY OVERLAY
23	1	COUPBELL 1/2" TO 3/4"	BRASS	INLET BELL COUPLING, 1/2" x 3/4"
24	1	DIELECTRIC UNION	VARIOUS	DIELECTRIC UNION, 3/4" FNPT x 3/4" CTS
25	--	--	--	--
26	1		STAINLESS STEEL	INLET SCREEN (NOT SHOWN)
27				
28				
29	1		VARIOUS	LEAK DETECTION WIRE
30	AS REQ'D		RUBBER	GASKET MATERIAL (NOT SHOWN)
31	1	NIPPBR 3/4 X 1.5	BRASS	NIPPLE 3/4" x 1 1/2" LONG
32	1	LGR-3	VARIOUS	CONTROL CIRCUIT FUSE, 3A
33	1	LHR000	VARIOUS	FUSE HOLDER

- GENERAL NOTES:
- HEATING CHAMBER IS RATED FOR 150 PSI WATER PRESSURE (MAX.)
 - UNIT IS UL, cUL, AND UL EPH LISTED.
 - JTX FLOW RATE: 0.2 GPM MIN., 8 GPM MAX.
 - APPROXIMATE WEIGHT IS 18 POUNDS.
 - HEATERS ARE FULLY MODULATING FROM 0 TO 100%.
 - UNIT IS DESIGNED FOR 50/60 Hz.

INSTALLATION PARAMETERS	
VOLTS	240 V
POWER	42 kW
AMP	175.0 A
BREAKER SIZE(MIN)	200 A
FEED WIRE SIZE(MIN)	3/0 AWG
CONDUIT SIZE(MIN)	1 1/2"
WIRING DIAGRAM	6

- INSTALLATION NOTES:
- TANKLESS WATER HEATERS ARE CONSIDERED A NON-CONTINUOUS LOAD.
 - IF MULTIPLE FEED INSTALLATION IS USED, IT IS ACCEPTABLE TO INSTALL UP TO TWO CONDUCTORS IN ONE LINE SIDE PORT. ADDITIONALLY, WHEN A POWER DISTRIBUTION BLOCK IS SUPPLIED, ADDITIONAL CONDUCTORS MAY BE INSTALLED IN AN OPEN LOAD SIDE PORT OF THE POWER DISTRIBUTION BLOCK.
 - WIRING SIZING LISTED IS FOR 75°C THHN. 60°C OR 90°C WIRE MAY BE USED. REFER TO NEC TABLE 310.16 FOR SIZING.
 - CONDUCTORS SHOULD BE SIZED TO MAINTAIN A VOLTAGE DROP OF LESS THAN 3% UNDER LOAD.
 - THESE MODELS INDICATED REQUIRE THAT A SUPPLEMENTARY PROTECTION ASSEMBLY BE INSTALLED (SUPPLIED BY HUBBELL). IF SUPPLEMENTAL PROTECTION IS SUPPLIED BY OTHERS, WHERE MULTIPLE FEEDER CONNECTIONS ARE USED, PHASES MUST BE FROM THE SAME SOURCE.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
REVISIONS				

	DATE	NAME	
DRAWN	11/17/10	PRD	 The Electric Heater Company Stratford, CT 06615 (203) 378-2659
CHECKED	11/22/10	SW	
ENG APPR.	11/22/10	PRD	
MFG APPR.	11/22/10	WEN III	

Description: TANKLESS ELECTRIC BOOSTER HEATER, 42 kW @ 240 V, 1Ph		
SIZE B	DWG. NO. JTX042-6S	REV
SCALE: 1:1	FSCM: 19857	SHEET 2 OF 2

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 (UNLESS OTHERWISE SPECIFIED)
 FRACTIONAL ±¼
 ANGULAR: MACH ±½° BEND ±1°
 TWO PLACE DECIMAL ±0.01
 THREE PLACE DECIMAL ±0.005

D

D

C

C

B

B

A

A