


DIMENSIONS ARE IN INCHES  
TOLERANCES:  
(UNLESS OTHERWISE SPECIFIED)  
FRACTIONAL  $\pm 1/4$   
ANGULAR: MACH  $\pm 1/2^\circ$  BEND  $\pm 1^\circ$   
TWO PLACE DECIMAL  $\pm 0.01$   
THREE PLACE DECIMAL  $\pm 0.005$

ZONE	REV.	DESCRIPTION			DATE      APPROVED
REVISIONS					
		DATE	NAME	 Stratford, CT 06615 (203) 378-2659	
DRAWN	01/19/11	PRD	The Electric Heater Company		
CHECKED	01/19/11	SW	Customer:		
ENG APPR.	01/19/11	PRD	Description:		
MFG APPR.	01/19/11	WEN III	TANKLESS ELECTRIC BOOSTER HEATER, 24 kW @ 208 V, 3Ph		
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			SIZE	DWG. NO.	REV
			B	JTX024-6R	
			SCALE: 1:1	FSCM: 19857	SHEET 1 OF 2

**Hubbell**™  
The Electric Heater Company

Customer:	
Description:	TANKLESS ELECTRIC BOOSTER HEATER, 24 kW @ 208 V, 3Ph

SIZE <b>B</b>	DWG. NO. JTX024-6R	REV
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SCALE: 1:1	FSCM: 19857	SHEET 1 OF 2
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8		7		6		5		4		3		2		1	
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	N1315-5500		INCOLOY / BRASS		HEATING ELEMENT, 5500/4000W @ 240/208V									
6	1	D-1114		ALUMINUM		TOP HEATER TUBE SUPPORT									
7	6	L93		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	--	--		--		--									
18	1	C25FNF360B		VARIOUS		MAGNETIC CONTACTOR, 208/240 VAC COIL, 75A RESISTIVE									
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									

INSTALLATION PARAMETERS

VOLTS	208 V
POWER	24 kW
AMP	66.6 A
BREAKER SIZE(MIN)	70 A
FEED WIRE SIZE(MIN)	#4 AWG
CONDUIT SIZE(MIN)	1"
WIRING DIAGRAM	7

INSTALLATION NOTES:

1.

TANKLESS WATER HEATERS ARE CONSIDERED A NON-CONTINUOUS LOAD.

2.

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.

3.

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.

4.

CONDUCTORS SHOULD BE SIZED TO MAINTAIN A VOLTAGE DROP OF LESS THAN 3% UNDER LOAD.

ZONE

REV.

DESCRIPTION

DATE

APPROVED

REVISIONS

	DATE	NAME	<div><div>Hubbell™</div><div>The Electric Heater Company</div></div> <div>Stratford, CT 06615 (203) 378-2659</div>		
DRAWN	11/17/10	PRD			
CHECKED	11/22/10	SW			
ENG APPR.	11/22/10	PRD	Customer:		
MFG APPR.	11/22/10	WEN III	Description: TANKLESS ELECTRIC BOOSTER HEATER, 24 kW @ 208 V, 3Ph		
SIZE		DWG. NO.		REV	
B		JTX024-6R			
SCALE: 1:1		FSCM: 19857		SHEET 2 OF 2	

PROPRIETARY AND CONFIDENTIAL

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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