



SCALE: 1:1	FSCM: 19857	SHEET 1 OF 2
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DIMENSIONS ARE IN INCHES  
TOLERANCES:  
(UNLESS OTHERWISE SPECIFIED)  
FRACTIONAL  $\pm \frac{1}{4}$   
ANGULAR: MACH  $\pm \frac{1}{2}^\circ$  BEND  $\pm 1^\circ$   
TWO PLACE DECIMAL  $\pm 0.01$   
THREE PLACE DECIMAL  $\pm 0.005$

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		N1375-9000		INCOLOY / BRASS		HEATING ELEMENT, 9000W @ 240V							
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		2		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							

GENERAL NOTES:

1.

HEATING CHAMBER IS RATED FOR 150 PSI WATER PRESSURE (MAX.)

2.

UNIT IS UL, cUL, AND UL EPH LISTED.

3.

JTX FLOW RATE: 0.2 GPM MIN., 8 GPM MAX.

4.

APPROXIMATE WEIGHT IS 18 POUNDS.

5.

HEATERS ARE FULLY MODULATING FROM 0 TO 100%.

6.

UNIT IS DESIGNED FOR 50/60 Hz.

INSTALLATION PARAMETERS

VOLTS	240 V
POWER	54 kW
AMP	129.9 A
BREAKER SIZE(MIN)	150 A
FEED WIRE SIZE(MIN)	1/0 AWG
CONDUIT SIZE(MIN)	1 1/4"
WIRING DIAGRAM	12

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.

5.

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	<div><div><div>Hubbell™</div><div>The Electric Heater Company</div></div><div>Stratford, CT 06615 (203) 378-2659</div></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, 54 kW @ 240 V, 3Ph	
SIZE B		DWG. NO. JTX054-6T		REV
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