



Hubbell™ Stratford, CT 06615
(203) 378-2659

The Electric Heater Company

SIZE B	DWG. NO. JTX033-6S	REV
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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 ± 0.01
THREE PLACE DECIMAL ± 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		N1315-5500		INCOLOY / BRASS		HEATING ELEMENT, 5500W @ 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		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:

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

33 kW

AMP

137.5 A

BREAKER SIZE(MIN)

150 A

FEED WIRE SIZE(MIN)

1/0 AWG

CONDUIT SIZE(MIN)

1 1/4"

WIRING DIAGRAM

6

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

DRAWN

11/17/10

PRD

CHECKED

11/22/10

SW

ENG APPR.

11/22/10

PRD

MFG APPR.

11/22/10

WEN III

Hubbell™

Stratford, CT 06615

(203) 378-2659

The Electric Heater Company

Customer:

Description:

TANKLESS ELECTRIC BOOSTER HEATER, 33 kW @ 240 V, 1Ph

SIZE

DWG. NO.

REV

B

JTX033-6S

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