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	ITEM NO.	QTY.	PART NO. / DWG. NO.	MATERIAL	DESCRIPTION		
	1	1	D-1125	STAINLESS STEEL	BACK CASING ASSEMBLY		
	2	1	D-1126	STAINLESS STEEL	FRONT COVER		
	3	1	JTK3-FM	COPPER / BRASS	HEATER TUBE ASSEMBLY		
	4						
	5	3	N1375-8000T6	INCOLOY / BRASS	HEATING ELEMENT, 8000W @ 346V		
D	6	1	D-1100	ALUMINUM	TOP HEATER TUBE SUPPORT		
	7	3	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	TK2000	VARIOUS	ELECTRONIC TEMPERATURE CONTROLLER		
	11	1	TKD2000	VARIOUS	LED DISPLAY		
	12	3	TG40E80	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	C25DNF330B	VARIOUS	MAGNETIC CONTACTOR, 208/204VAC COIL, 40A RESISTIVE		
c L	19	1	B050-3350-3	VARIOUS	TRANSFORMER, 50 VA, 600/575 VAC TO 195 VAC		
	20	1	PLUGBR 1/8	BRASS	DRAIN PLUG, 1/8" NPT		
	21	3		RUBBER	INLET / OUTLET / DRAIN CASING GASKETS		
	22	1	TANKLESS OVERLAY	LEXAN	DISPLAY OVERLAY		
	23	1	COUP BELL 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	SCREEN TK	STAINLESS STEEL	INLET SCREEN (NOT SHOWN)		
-	27						
	28	1		VARIOUS	LEAK DETECTION WIRE		
-	29	AS REQ'D	NUDDDD 2/4 V 1 F	RUBBER	GASKET MATERIAL (NOT SHOWN)		
-	30	1	NIPPBR 3/4 X 1.5	BRASS	NIPPLE 3/4" x 1 1/2" LONG		
-	31 32	1	LGR-3	VARIOUS	CONTROL CIRCUIT FUSE, 3A		
<sub>P</sub>	32	I	LHR000	VARIOUS	FUSE HOLDER		

**GENERAL NOTES:** 

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

UNIT IS UL, CUL, AND UL ÉPH 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	600 V						
POWER	24 kW 23.1 A 25 A						
AMP							
BREAKER SIZE(MIN)							
FEED WIRE SIZE(MIN)	#8 AWG						
CONDUIT SIZE(MIN)	3/4"						
WIRING DIAGRAM	5						

**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.

ZONE	REV.			DESCRIF	PTION			DATE	APPROVED
REVISIONS									
					# #	-	C1		OT 0//15

DATE PRD 11/17/10 The Electric Heater Company SW 11/22/10 CHECKED PRD Customer: ENG APPR. 11/22/10 11/22/10 WEN III Description: MFG APPR. DIMENSIONS ARE IN INCHES TOLERANCES: (UNLESS OTHERWISE SPECIFIED) FRACTIONAL ±1/4

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS

THE ELECTRIC HEATER COMPANY. ANY

WITHOUT THE WRITTEN PERMISSION OF THE ELECTRIC HEATER COMPANY IS

REPRODUCTION IN PART OR AS A WHOLE

DRAWING IS THE SOLE PROPERTY OF

ANGULAR: MACH ±½° BEND ±1° TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.005

TANKLESS ELECTRIC BOOSTER HEATER, 24 kW @ 600 V, 3Ph SIZE DWG. NO. REV JTX024-3T6 SHEET 2 OF 2

(203) 378-2659

SCALE: 1:1 | FSCM: 19857

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