

Total	_	(5	/	l	3	
2	Ī	ITEM NO.	QTY.	PART NO. / DWG. NO.	MATERIAL	DESCRIPTION	
3	Ī	1	1	D-1125	STAINLESS STEEL	BACK CASING ASSEMBLY	
1	İ	2	1	D-1126	STAINLESS STEEL	FRONT COVER	
D	Ī	3	1	JTK3-FM	COPPER / BRASS	HEATER TUBE ASSEMBLY	
D	D	4					
Total		5	3	N1315-7000T6	INCOLOY / BRASS	HEATING ELEMENT, 7000W @ 346V	
S					ALUMINUM		
9		7	3		VARIOUS		
10			1	TK FLOW BR	BRASS	FLOW METER, 0.2-8 GPM	
11							
12 3			1		VARIOUS	ELECTRONIC TEMPERATURE CONTROLLER	
13							
14					VARIOUS		
15				USP9509			
16			AS REQ'D				
17			1	KA-4C			
18			1		POLYURETHANE	THERMISTOR INSULATION	
19							
20	ļ		1				
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 RUBBER GASKET MATERIAL (NOT SHOWN) 30 1 NIPPBR 3/4 X 1.5 BRASS NIPPLE 3/4" x 1 1/2" LONG 31 1 LGR-3 VARIOUS CONTROL CIRCUIT FUSE, 3A 32 1 LHROOO VARIOUS FUSE HOLDER	С		1			·	
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32 1 LHR000 VARIOUS FUSE HOLDER	}		1				
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	B	32	l	LUKUUU	VAKIOUS	FUSE HOLDER	

GENERAL NOTES:

TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.005

- 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	21 kW				
	AMP	20.2 A				
	BREAKER SIZE(MIN)	25 A				
	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.	DESCRIPTION	DATE	APPROVED					
	REVISIONS								

	DATE	NAME	<i>I-I</i>		CT 06615	
RAWN	11/17/10	PRD				
HECKED	11/22/10	SW	The Electric Heater Company			
NG APPR. 11/22/10 PRD Customer:						
IFG APPR.	11/22/10	WEN III	·			
DIMENSIONS A	RE IN INCH	FS	TANKLESS ELECTRIC BOOSTER HEATER, 21 kW @ 600 V, 3Ph			
TOLERANCES: (UNLESS OTHER FRACTIONAL ± ANGULAR: MA	RWISE SPEC	IFIED)	SIZE B	DWG. NO. JTX021-3T6	REV	

SCALE: 1:1 | FSCM: 19857

PROPRIETARY AND CONFIDENTIAL

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