



ITEM NO.	QTY.	PART NO.	MATERIAL	DESCRIPTION
1	1	J16-3 TANK	304L S/S	16 GALLON VESSEL ASSEMBLY
2	1	J16 INLET	304 S/S	3/4" MNPT INLET
3	1	J16 OUTLET	COPPER	3/4" MNPT OUTLET
4	1		304L S/S	3/4" FNPT FOR RELIEF VALVE
5	1	100XL 75 150LB	BRONZE	RELIEF VALVE SET AT 150PSI, 210°F
6	1	J16 JACKET	304 S/S	TOP COVER ASSEMBLY
7	1	J16 FRONT COVER	304 S/S	FRONT COVER ASSEMBLY
8	1	J16 BASE	304 S/S	BASE ASSEMBLY
9	1		FOAM	FOAM INSULATION
10	4	61649NOBN5T4	PLASTIC	ADJUSTABLE LEGS
11	6	N2375-33	BRASS PLUG & INCOLOY SHEATH	HEATING ELEMENT - 1-7/8" HEX 9750W @ 480V/6111W @ 380V
12	1	T1000	VARIOUS	CONTROL MODULE
13	1	C25DNF350B	VARIOUS	MAGNETIC CONTACTOR 65A (RESISTIVE) - 240V
14	1	K4AC	COPPER	GROUND LUG
15	1	J16 CONTROL PLATE	GALVANEEL	ELECTRICAL MOUNTING PANEL
16	1	TD1000	VARIOUS	DIGITAL DISPLAY MODULE
17	1	P65	VARIOUS	PROBE ASSEMBLY
18	1	OVERLAY J MODEL	LEXAN	OVERLAY FOR DISPLAY MODULE
19	1		VARIOUS	LEAK DETECTION SENSOR
20	1	ITD405	VARIOUS	T&P GAUGE 30-240°F/0-200PSI
21	1	N45BU	BRONZE	PRESS REDUCING VALVE 25-75PSI
22	1	B050-3351-3	VARIOUS	TRANSFORMER 50VA 380V/185V

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

- NOTES:
1. TANK IS DESIGNED, FABRICATED, AND STAMPED IAW ASME SECTION VIII CODE, LATEST ADDENDA.
  2. TANK IS DESIGNED FOR 150PSI AND PRESSURE TESTED AT 225PSI.
  3. PROBE ASSEMBLY (Pc. No. 17) PROVIDES TEMPERATURE CONTROL, HI-LIMIT, AND LOW WATER SENSING.
  4. UNIT IS UL, CUL, AND UL EPH LISTED.
  5. PIECE NOS. 5, 10, 20, & 21 ARE SHIPPED LOOSE.
  6. CONTROL CIRCUIT WIRE TO BE #18 TEUFEL 750 (200°C), POWER CIRCUIT WIRE TO BE #8 TEUFEL 750 (200°C), ELEMENT JUMPER WIRE TO BE #10 TEUFEL 750 (200°C).
  7. PHASE TO PHASE RESISTANCE: 7.9 OHMS
  8. APPROXIMATE WEIGHT:  
DRY: 131 LBS.  
WET: 264 LBS.

DRAWN	DATE	NAME	Hubbell™ Stratford, CT 06615	
CHECKED	2/21/05	WENJII	The Electric Heater Company	
ENG APPR	2/21/05	PRD	Customer:	
MFG APPR	2/21/05	CHD	Description: J MODEL BOOSTER HEATER	
			J163613 - 16 GALLON	
			36kW - 380V - 3Ø	
SIZE	DWG. NO.			REV
C	J163613			
SCALE: 1:8	FSCM: 19857	SHEET 1 OF 1		

INSTALLATION REQUIREMENTS	
AMP Draw	55.7
Min. Breaker/Fuse Size	70 AMP
Cu Power Feed Wire	#3 AWG THHN
Min. Power Conduit	1"
Wiring Diagram	13 (WT)

ELECTRICAL NOTES:

1. POWER FEED WIRE SIZING IS BASED ON 75°C Cu THHN WIRE WITH FEEDER BRANCH PROTECTION AT 125%.

2. REFERENCE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR COMPLETE INSTALLATION INSTRUCTIONS.