



ITEM NO.	QTY	PART NO.	MATERIAL	DESCRIPTION
1	1	J16-6 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	INSULATION
10	4	61649NOBN514	PLASTIC	ADJUSTABLE LEGS
11	6	N2375-32	BRASS PLUG & INCOLOY SHEATH	HEATING ELEMENT - 1-7/8" HEX 9000W @ 480V
12	1	T1000	VARIOUS	CONTROL MODULE
13	1	C25FN360B	VARIOUS	MAGNETIC CONTACTOR 75A (RESISTIVE) - 240V
14	1	KA4C	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	B100PU1519JJ	VARIOUS	TRANSFORMER 100VA 480/240V

REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	

NOTES:

- TANK IS DESIGNED, FABRICATED, AND STAMPED IAW ASME SECTION VIII CODE, LATEST ADDENDA.
- TANK IS DESIGNED FOR 150PSI AND PRESSURE TESTED AT 225PSI.
- PROBE ASSEMBLY (Pc. No. 17) PROVIDES TEMPERATURE CONTROL, HI-LIMIT, AND LOW WATER SENSING.
- UNIT IS UL, CUL, AND UL EPH LISTED.
- PIECE NOS. 5, 10, 20, & 21 ARE SHIPPED LOOSE.
- CONTROL CIRCUIT WIRE TO BE #18 TEFZEL 750 (200°C), POWER CIRCUIT WIRE TO BE #8 TEFZEL 750 (200°C), ELEMENT JUMPER WIRE TO BE #10 TEFZEL 750 (200°C).
- PHASE TO PHASE RESISTANCE: 8.5 OHMS.
- APPROXIMATE WEIGHT:
DRY: 131 LBS.
WET: 264 LBS.

DRAWN	DATE	NAME	PRD
CHECKED	2/26/03	WENII	
ENG APPR	2/26/03	PRD	
MFG APPR	2/26/03	CHD	

Stratford, CT 06615
(203) 378-2659

Hubbell
The Electric Heater Company

Customer: Description: J MODEL BOOSTER HEATER
J165414 - 16 GALLON
54kW - 480V - 3Ø

SIZE	DWG. NO.	REV
C	J165414	

SCALE: 1:8 FSCM: 19857 SHEET 1 OF 1

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DIMENSIONS ARE IN INCHES
TOLERANCES:
(UNLESS OTHERWISE SPECIFIED)
FRACTIONAL: 1/16"
ANGULAR: MACH ±1/2° BEND ±1°
TWO PLACE DECIMAL: ±0.01
THREE PLACE DECIMAL: ±0.005

INSTALLATION REQUIREMENTS	
AMP Draw	65.0
Min. Breaker/Fuse Size	85 AMP
Cu Power Feed Wire	#4 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.