

EVAPCO, INC.



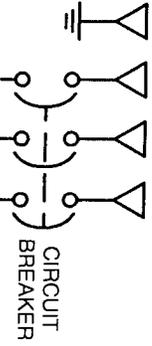
TITLE
VIBRATION SWITCH

DESCRIPTION:
USS-19-28

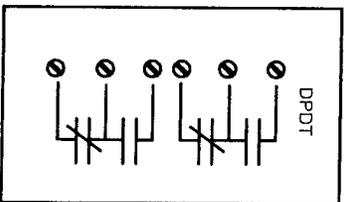
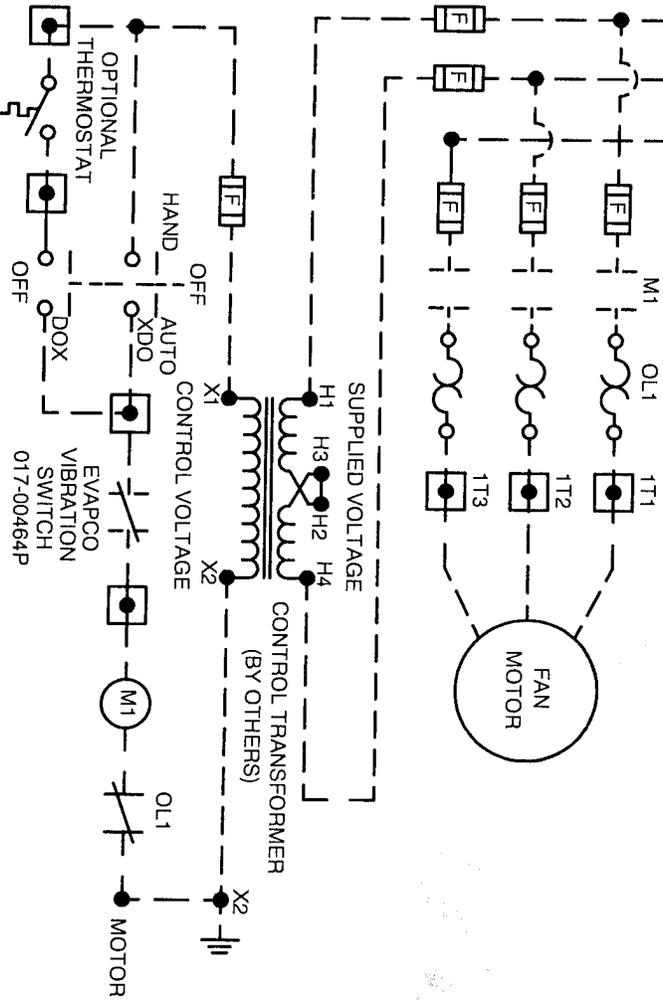
SINGLE SPEED

DWG. #
08/27/2015 V1AU0000-EE

SUPPLIED VOLTAGE, 3 PHASE
INCOMING POWER



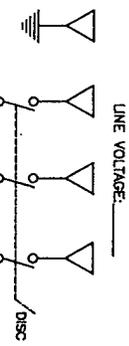
SWITCH CONTACT RATING:
15 AMPS, 125, OR 480 Vac; 1/8 HP, 125 Vac; 1/4 HP, 250 Vac; 1/2 AMP, 125 Vdc; 1/4 AMP, 250 Vdc.



NOTES:
1. DASHED LINES INDICATE WIRING (BY OTHERS)

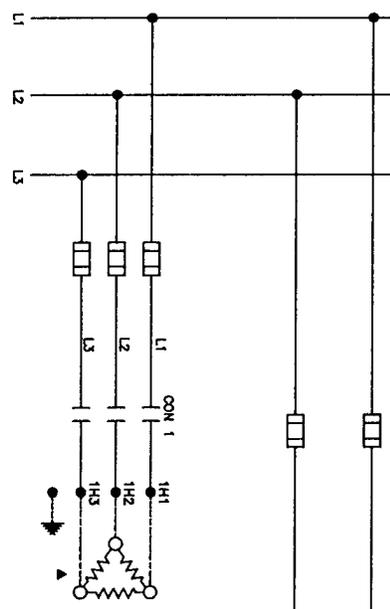
ADJUSTMENT

ADJUST THE SWITCH SO THAT DURING FULL SPEED START-UP AND UNDER NORMAL CONDITIONS, THE CONTACTS DO NOT TRIP. FIRST, WITH THE MOTOR OFF, TURN THE ADJUSTMENT SCREW COUNTER-CLOCKWISE (MORE SENSITIVE DIRECTION) UNTIL THE SWITCH TRIPS. NEXT, TURN THE ADJUSTMENT SCREW CLOCKWISE (LESS SENSITIVE DIRECTION). RESET THE SWITCH BY DEPRESSING THE PUSH-BUTTON RESET LOCATED ON TOP OF THE SWITCH. START THE MOTOR ON FULL SPEED. IF THE MOTOR TRIPS THE SWITCH, THEN TURN THE ADJUSTMENT SCREW CLOCKWISE AN ADDITIONAL 1/8 TURN. RESET THE SWITCH AND START THE MOTOR AGAIN. REPEAT THE ABOVE PROCEDURE UNTIL THE MOTOR CONTINUES TO RUN.

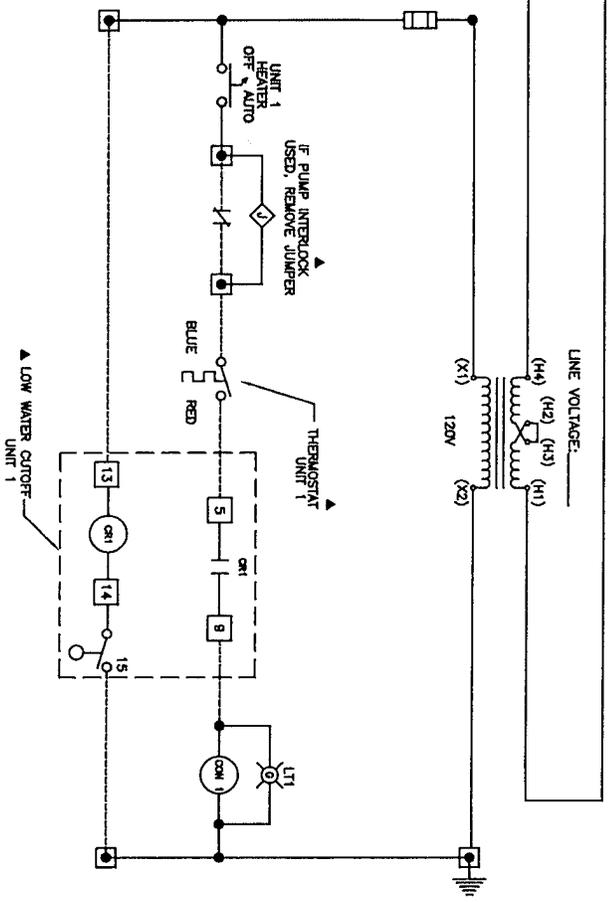


RECOMMENDED POWER AND CONTROL WIRING
 USSA® HEATERS AND CONTROLS NOT PROVIDED BY EVAPCO
 - ALL POWER WIRING BY OTHERS
 - ALL FIELD WIRING BY OTHERS

08/27/2015



1 KW
 IMMERSION
 HEATER



□ - TERMINAL POINT
 ▲ - REMOTE DEVICE

NOTES:

1. DASHED LINES INDICATE FIELD WIRING.
2. THE HEATERS HAVE BEEN SIZED TO MAINTAIN 40°F PAN WATER AT AN AMBIENT TEMPERATURE OF °F.
3. ALL COMPONENTS BY EVAPCO HAVE NEMA 4 ENCLOSURES.
4. AUXILIARY N.C. CONTACT INTERLOCKS IMMERSION HEATERS WITH SPRAY WATER CIRCULATING PUMP TO DE-ENERGIZE HEATERS WHEN PUMP IS RUNNING.
5. (1) CONTACTOR IS SUPPLIED FOR EVERY (2) HEATERS
 - CONTACTOR SHOULD BE WIRED WITH SEPARATE SUPPLY TERMINALS FOR EACH HEATER.
 - PROVIDES FOR INDIVIDUAL CELL OPERATION
6. (1) CONTACTOR IS SUPPLIED PER CELL OF A MULTICELL UNIT

- | | | |
|---|--|--|
| IMMERSION HEATER BY: | <input checked="" type="checkbox"/> EVAPCO | <input type="checkbox"/> OTHERS |
| LOW WATER CUTOFF/THERMOSTAT CONTROL BY: | <input checked="" type="checkbox"/> EVAPCO | <input type="checkbox"/> OTHERS |
| AUXILIARY N.C. PUMP INTERLOCK BY: | <input type="checkbox"/> EVAPCO | <input checked="" type="checkbox"/> OTHERS |
| HEATER CONTROL PANEL BY: | <input type="checkbox"/> EVAPCO | <input type="checkbox"/> OTHERS |
| TRANSFORMER BY: | <input type="checkbox"/> EVAPCO | <input type="checkbox"/> OTHERS |
| HEATER CONTACTOR BY: | <input type="checkbox"/> EVAPCO | <input type="checkbox"/> OTHERS |
| FUSED DISCONNECT BY: | <input type="checkbox"/> EVAPCO | <input type="checkbox"/> OTHERS |



**3Ø HEATER
 WIRING DIAGRAM
 1 HEATER**

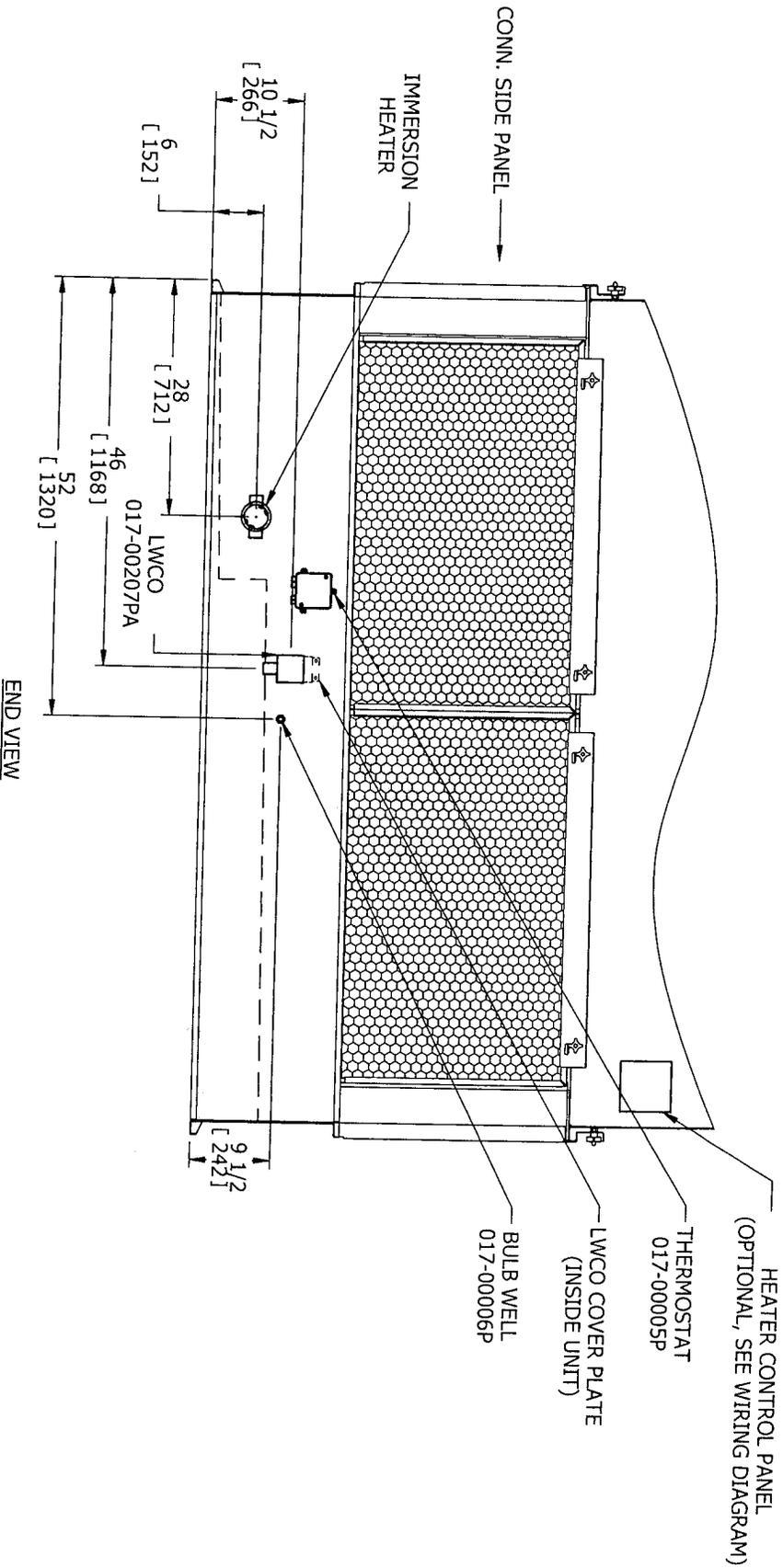
B1AU0000-ED

EVAPCO, INC.

TITLE: HEATER LOCATION

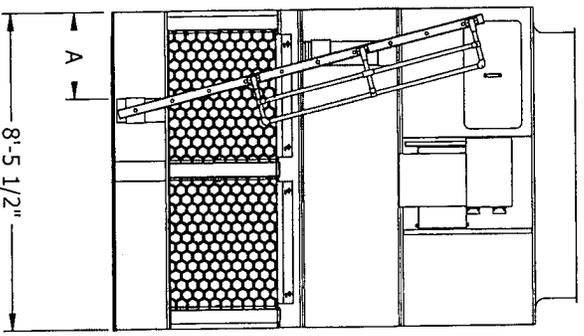
UNIT: USS-19-28 8.5X6/7.5/9/10.5 INDUCED DRAFT TOWER

DWG. # 08/27/2015 HLT209XT-DC

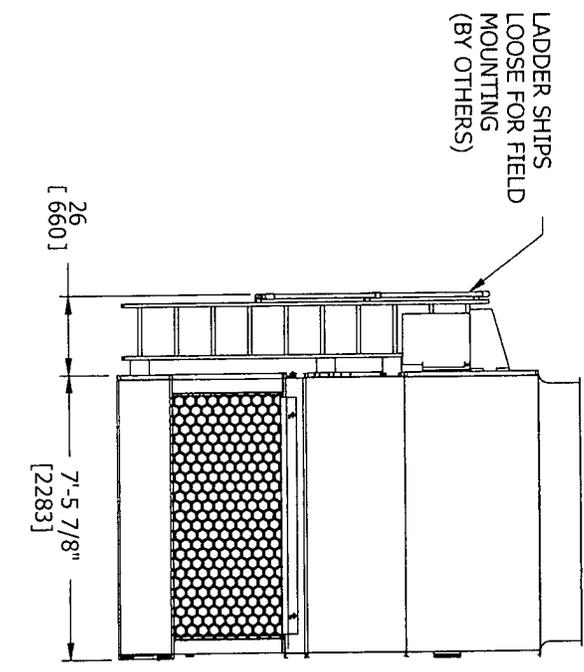


NOTES:

1. A MINIMUM OF CLEARANCE IS REQUIRED BETWEEN THE HEATER OUTLET BOX AND THE NEAREST OBSTRUCTION FOR REMOVAL OF THE HEATER.
2. ALL NIPPLES ON UNIT ARE NOT SHOWN IN ORDER TO CLARIFY HEATER COMPONENT LOCATIONS.
3. ALL HEATER COMPONENTS BY EVAPCO ARE FACTORY MOUNTED WHEN POSSIBLE.
4. DIMENSIONS LISTED AS FOLLOWS: ENGLISH IN [METRIC] [mm]



SIDE VIEW



END VIEW

LADDER SHIPS LOOSE FOR FIELD MOUNTING (BY OTHERS)

26 [660]

7'-5 7/8\"/>

[2283]

A

[2578]

8'-5 1/2\"/>

[2578]

NOTE:

1. REFER TO RIGGING PACK FOR LADDER AND PLATFORM MOUNTING INSTRUCTIONS.

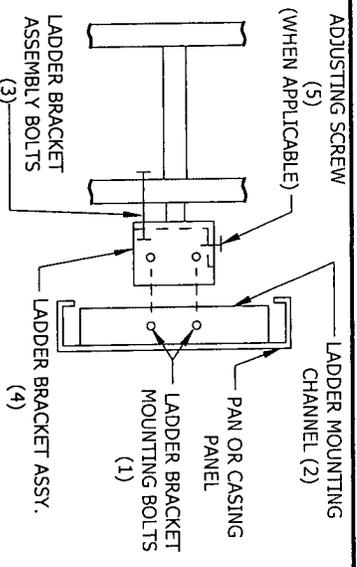
*** RIG LADDER BEFORE PIPING UNIT***

* THE BOTTOM OF THE LADDER IS AT THE BASE OF THE UNIT. IF THE UNIT IS ELEVATED THEN A LADDER EXTENSION SHOULD BE CONSIDERED. (CONSULT FACTORY). LADDER EXTENSIONS OF UP TO 3 FEET CAN BE ADDED WITHOUT ANY ADDITIONAL SUPPORT. FOR A LADDER EXTENSION LONGER THAN 3 FEET ADDITIONAL SUPPORT MUST BE PROVIDED BY OTHERS.

CUSTOMER INSTALLATION NOTES:

- REMOVE LADDER BRACKET MOUNTING BOLTS (1) FROM LADDER MOUNTING CHANNELS (2) ON PAN AND CASING SECTIONS.
- LOOSEN, BUT DO NOT REMOVE, LADDER BRACKET AND ASSY. BOLTS (3).
- TO ASSEMBLE, SLIDE LADDER BRACKET ASSY. (4) OVER LADDER MOUNTING CHANNELS (2) LOCATED ON PAN AND CASING (DO NOT REMOVE LADDER BRACKET ASSY. (4) FROM LADDER.)
- ALIGN HOLES AND REINSTALL LADDER BRACKET MOUNTING BOLTS (1) THROUGH LADDER BRACKET ASSY. (4) AND LADDER MOUNTING CHANNELS (2).
- TIGHTEN ALL BOLTS.
- TIGHTEN ADJUSTING SCREW (5) IN THE ADJUSTABLE MOUNTING BRACKETS WHEN APPLICABLE.

BOX SIZE	A IN.	[MM]
AT 19-28, 38, 48	25 1/16	[637]
AT 19-58, 68, 88	28 7/8	[734]
AT 19-78, 98	32 5/16	[821]



ADJUSTING SCREW (5)
(WHEN APPLICABLE)

LADDER BRACKET ASSEMBLY BOLTS (3)

LADDER MOUNTING CHANNEL (2)

PAN OR CASING PANEL

LADDER BRACKET MOUNTING BOLTS (1)

LADDER BRACKET ASSY. (4)

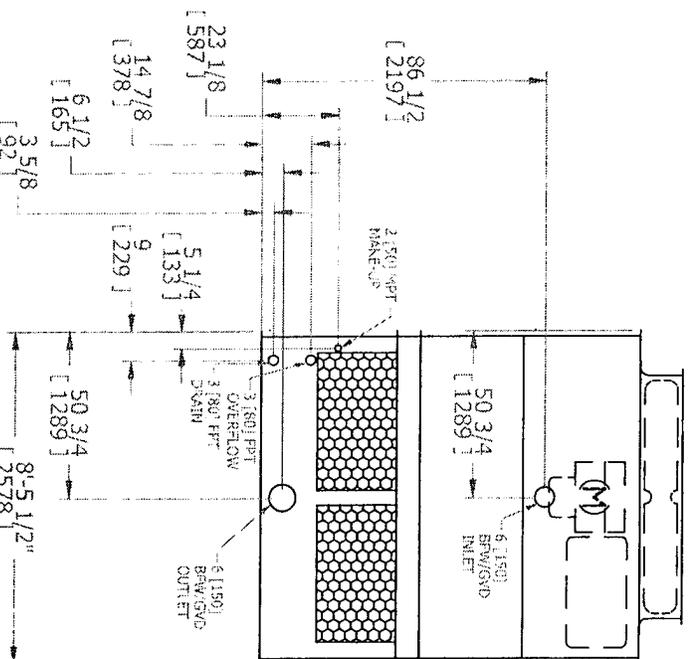
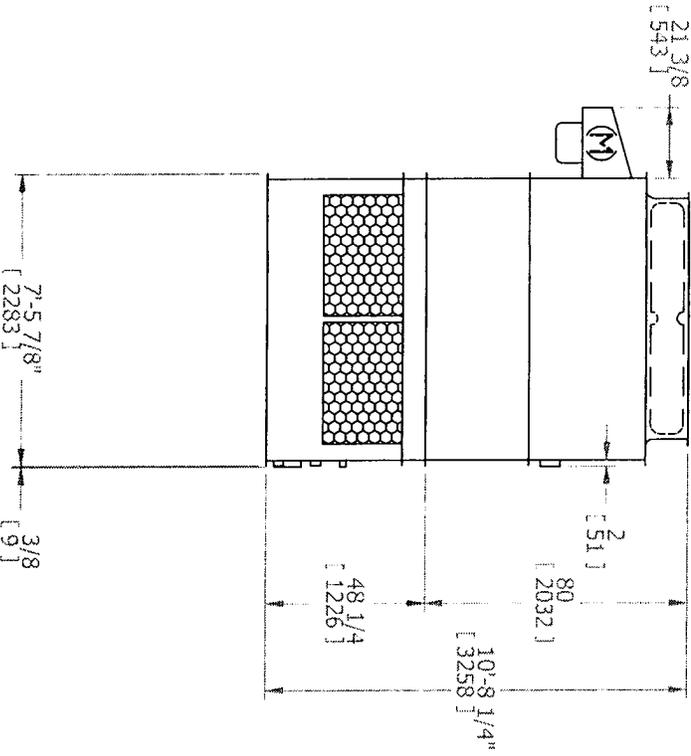
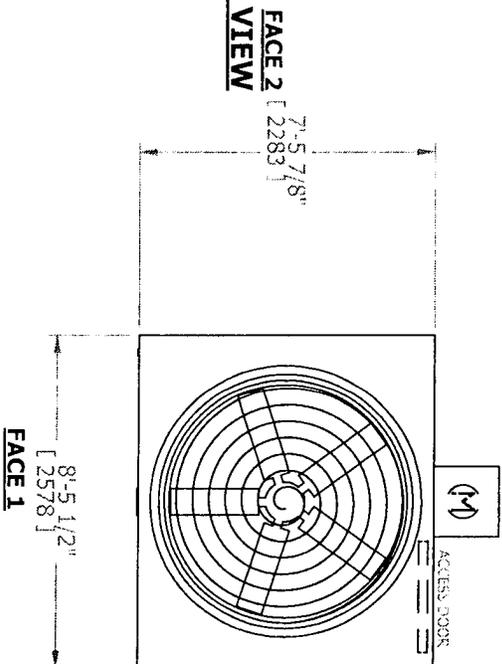
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UNIT	MODEL #	SCALE	DWG. #	REV.	DATE	SERIAL #
COOLING TOWER	USS-19-28	N.T.S.	T3090824-DRC-ST	-	08/27/2015	

- NOTES:
- (M) - FAN MOTOR LOCATION
 - HEAVIEST SECTION IS UPPER SECTION
 - MPT DENOTES MALE PIPE THREAD
FPT DENOTES FEMALE PIPE THREAD
BRW DENOTES BEVELLED FOR WELDING
 - + UNIT WEIGHT DOES NOT INCLUDE ACCESSORIES (SEE ACCESSORY DRAWINGS)
 - MAKE-UP WATER PRESSURE 20 PSI MIN [137 kPa], 50 PSI MAX [344 kPa]

PLAN VIEW



SHIPPING WEIGHT	3520 lbs+ [1597] kg+	OPERATING WEIGHT	5940 lbs+ [2694] kg+	HEAVIEST SECTION WEIGHT	2350 lbs+ [1066] kg+	NO. OF SHIPPING SECTIONS	2
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