

Buck-Booster Requirements

for e3 Tanning Beds

Model	Voltage Range
Ultimate Envy™ 134	200V - 245V
Ultimate Envy™ 134 3F	200V - 245V
Ultimate Envy™ 234 3F	200V - 245V
Ultimate Envy™ 434 3F	215V - 245V
Rejuvasun® 34	200V - 245V
Epic™ 242 3F	215V - 245V
Epic™ 442 3F	215V - 245V
Legend™ 448 4F	215V - 245V
Legend™ 548 4F	215V - 245V

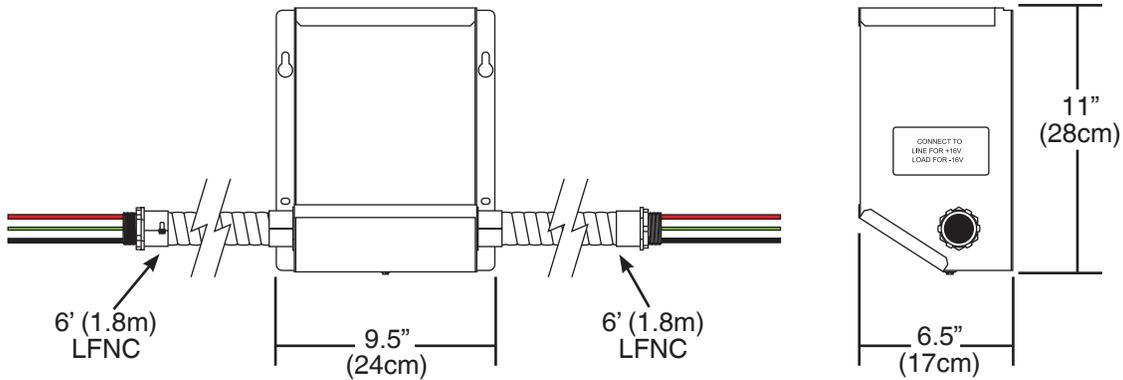
The e3™ tanning beds operate within a wide range of voltage with extremely consistent output. This is due to the advanced electronic ballasts used to light the fluorescent tanning lamps. Also, the choke ballasts used to power the face tanner lamps utilize an ingenious boost feature that energizes an additional 100 Watt choke ballast when voltage falls too low.

Do I need a buck-booster?

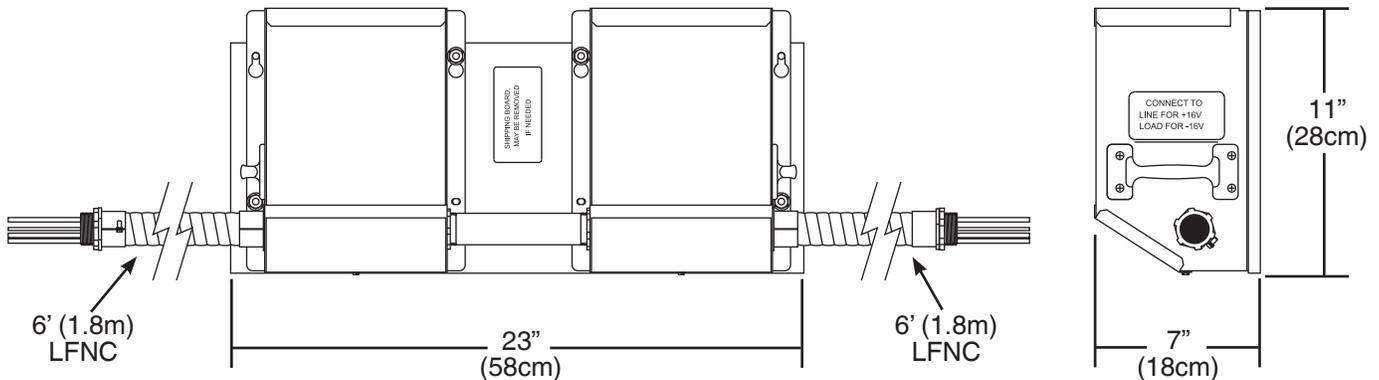
The Ultimate ENVY™ 134 and 234 should never need a buck-boost transformer unless your loaded input voltage (bed running) is below 200VAC or above 245VAC. The other e3 tanning beds operate between 215VAC and 245VAC. Loaded input voltage outside of those voltage ranges will require a buck-booster to bring the voltage to within acceptable limits.

The buck-boosters illustrated below are the only ones needed for most applications. Use part number P91051 for single phase installations and P02113 for 3-phase installations. Both units will raise or lower 16 Volts. If that does not bring voltage inside the recommended voltage range listed above, please ask for the proper buck-booster.

P91051 - 1-Phase 1.5KVA +/-16V Buck-Booster



P02113 - 3-Phase 1.5KVA +/-16V Buck-Booster



Room requirements

Follow the guidelines specified when designing the tanning room:

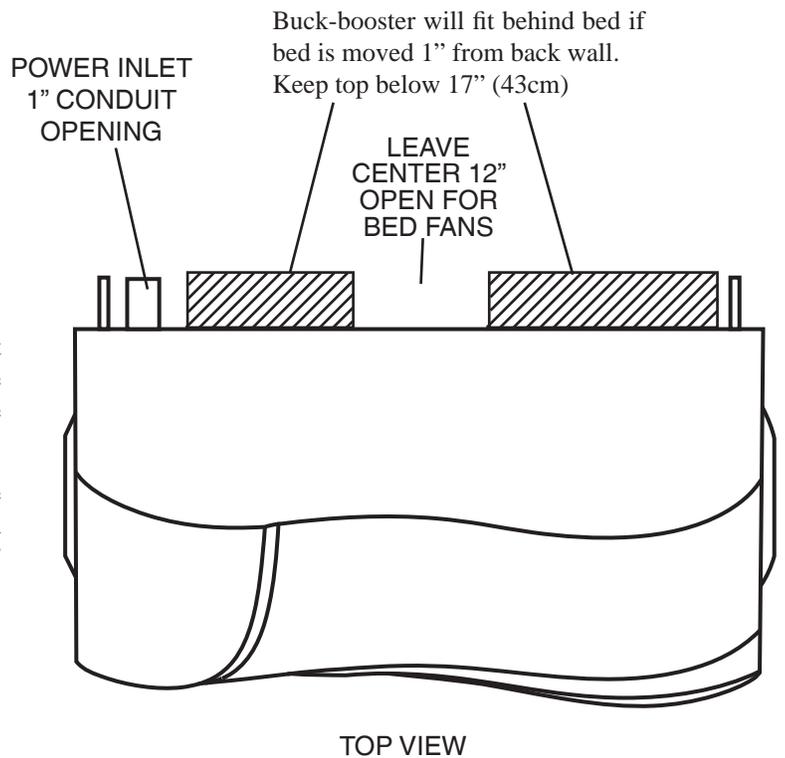
ATTENTION

ETS Tan does not employ certified electricians. Always consult local authorities for proper installation requirements.

Buck-booster Placement

The buck-boosters specified on the other side will fit behind the e3 tanning beds. You may need to move the bed 1" (2.5cm) away from the back wall, however the bed may be pushed against the buck-booster.

Buck-boosters may be mounted to the wall with the "angled" side down. Mounting flanges are provided on the buck-booster. Maximum height behind bed is 17" (43cm) below canopy when open.



Visible Disconnect

If a visible disconnect is required in the tanning room it must be placed such that it does not interfere with the tanning bed. Keep it above 64" from the floor or, if placed on side wall, allow 90" for the bed width. Also bear in mind, the bed must be at least 3" from the side walls.

NOTE

Avoid grey area behind bed. Also avoid grey area at both ends of bed unless room size permits.

