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To: All Authorized Thermo King Sales Dealers

Subject: **Tri Pac™, Tri Pac™ EVOLUTION and Tri Pac^e™ Auxiliary Power Unit Vehicle Weight Exemption**

This document provides confirmation of the published approximate system weights of Thermo King Corporation's Auxiliary Power Units known as **Tri Pac™**, **Tri Pac™EVOLUTION** and **Tri Pac^e™** as follows:

Thermo King Auxiliary Power Unit	Published Approximate System Weight
Tri Pac™	500 lbs / 227 kg
Tri Pac™ EVOLUTION	415 lbs / 188 kb
Tri Pac ^e ™	505 lbs/ 229 kg

Below is a summary of a portion of the Energy Bill, which discusses the weight exemption issue:

On August 8, 2005 President George Bush signed the Energy Bill (Domenici-Barton Energy Policy). Section 756 of the Energy Bill made changes to Title 23, Section 127(a) that regulates the weight of vehicles to be used on interstate highways. This section provides a 400-pound Vehicle Weight Exemption for idle reduction technology.

Section 127(a) was amended to add item 12 which states the following:

- `(12) HEAVY DUTY VEHICLES-
- `(A) IN GENERAL- Subject to subparagraphs (B) and (C), in order to promote reduction of fuel use and emissions because of engine idling, the maximum gross vehicle weight limit and the axle weight limit for any heavy-duty vehicle equipped with an idle reduction technology shall be increased by a quantity necessary to compensate for the additional weight of the idle reduction system.
- `(B) MAXIMUM WEIGHT INCREASE- The weight increase under subparagraph (A) shall be not greater than 400 pounds.
- `(C) PROOF- On request by a regulatory agency or law enforcement agency, the vehicle operator shall provide proof (through demonstration or certification) that--
 - `(i) the idle reduction technology is fully functional at all times; and
 - `(ii) the 400-pound gross weight increase is not used for any purpose other than the use of idle reduction technology described in subparagraph (A).'

Update:

On June 6, 2012 President Barack Obama signed the Federal Highway Bill. As part of the bill the following updates were made in reference to idle reduction technologies to include APU's.

SEC. 1510. IDLE REDUCTION TECHNOLOGY.

- Section 127(a)(12) of title 23, United States Code, is amended—
- (1) in subparagraph (B), by striking “400” and inserting “550”; and
- (2) in subparagraph (C)(ii), by striking “400-pound” and inserting “550-pound”.

As a result of these changes the new federal weight exemption has been increased from 400 pounds to 550 pounds for an APU. **Read more from the dept of energy:**

<https://www.energy.gov/eere/vehicles/map-state-recognition-auxiliary-power-weight-exemption>

Best Regards,

THERMO KING CORPORATION