



Date: May 22, 2019

To: All Authorized Dynasys APU and PowerCube Dealers

Subject: Dynasys APU and PowerCube Pro Unit – Vehicle Weight Exemption

This document confirms that Dynasys APU and PowerCube APU have published approximate weights of 515 lbs. and 720 lbs.. This weight may vary from tractor to tractor depending on installation accessories. Below is the 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 increase from 400 pounds to 550 pounds for an APU.

Best Regards,

DYNASYS APU and POWERCUBE APU