



Why Eco-Tech 305-I Alternators?

1. ***New patented technology*** – The unique use of permanent magnets enables the Eco-Tech 305-I to generate 240 Amperes at 1650 Alternator rpm as compared to 2000 RPM, the idle speed most often quoted by competitors.
 - A current claw pole alternator would have to be rated at a minimum of 700 Amperes to produce the same 240 Amperes at idle.
 - Typical competitors' 320 Ampere rated alternators deliver 85-90 Amperes at idle.
2. Eco-Tech 305-I Alternators ***satisfy most vehicles' electrical loads at engine idle*** without a Voltage decrease while ***also decreasing operating costs***.
 - Alternator life and reliability are improved due to the ease with which Eco-Tech Alternators handle high electrical loads, such as supporting static inverters and Telma brake retarders.
 - Battery life is extended because of the elimination of battery deep discharge cycling that occurs during vehicle operation.
 - Engine life is increased as a result of the elimination of high rpm operation that occurs when the high idle setting is engaged.
3. ***Saves original cost*** by eliminating the need for the following components:
 - High idle devices
 - Load shedding devices
 - Multiple battery packs with their associated battery isolators and battery selector switches
4. ***Fuel economy improved*** while engine exhaust emissions and noise are reduced.
 - Eliminates the fuel penalty experienced during high idle operation (52% for the 7.3L Ford engine).
 - Additional fuel economy benefits due to Eco-Tech Alternators' efficiency improvement, i.e. 50% less engine drag for the same electrical output

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