

C706 Alternator

28 Volt 300 Amp

Key Features

Digital Smart Regulator option allows for battery charge rate optimization in all climates and operating conditions when used with corresponding voltage and temperature sense harness. Smart regulator also features J1939 compatible communications and operation with CEN's J1939 interfacing software.



Alternator Characteristics

Produces 200A at engine idle.

Unique brushless construction eliminates rotating windings, brushes, and slip rings. This increases durability, extends service life, eliminates arcing and reduces electromagnetic interference (EMI).

Compatible with all industry hybrid drives.

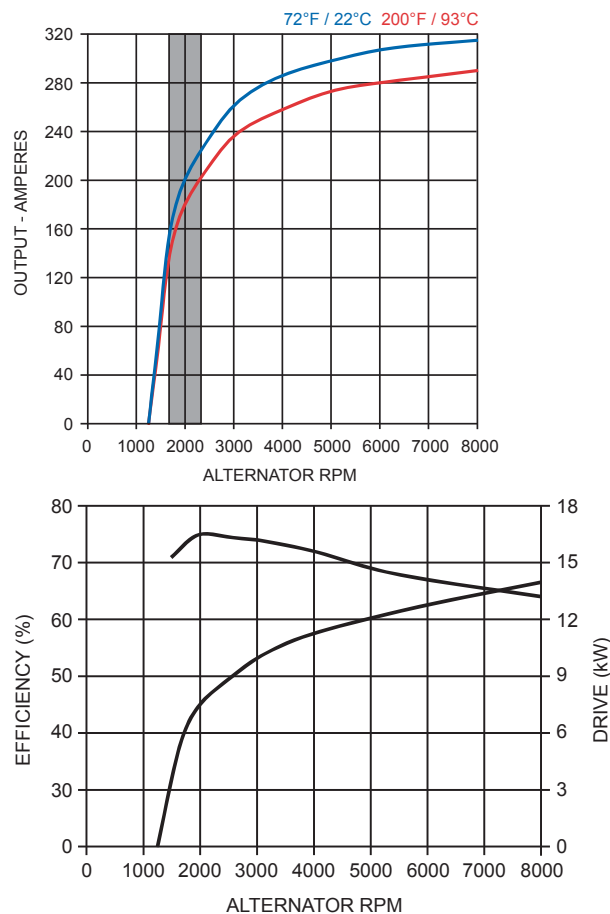
Overvoltage Cut-Out Circuit (OVCO) is a safety feature that detects high voltage in excess of normal voltage transients and prevents sustained overvoltage conditions.

Long life bearings have high temperature grease and are heat stabilized for extended service life in hot engine compartments.

High efficiency means lower internal operating temperature, resulting in longer life. Less engine power needed to produce electric power means more engine power available for other needs.

Designed and manufactured in the U.S.A.

Output and Efficiency

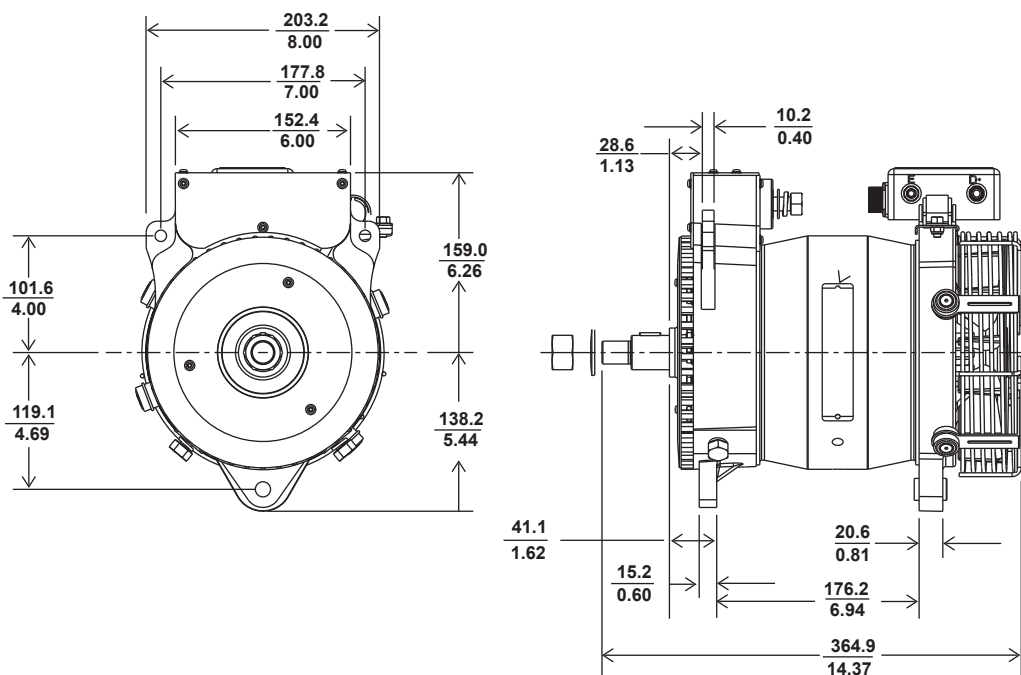


The measurements listed on the curves are taken at the listed ambient temperatures with a stabilized machine temperature, as per SAE J56. The shaded area highlights output available at typical engine idle alternator speed.



Dimensions

Linear Measure mm [in]



Unit Specifications

Hinge mount

External regulator

Bidirectional rotation

Rated for 8000 RPM continuous operation and momentary over speed to 10000 RPM

Accessories

A2-214 Conventional regulator

A2-341 Smart regulator - temp/voltage sense, J1939 compatibility.*

A9-325 Filter assembly

8, 10, or 12 groove pulley

*Please contact us for harness options for use with smart regulator.

Charging System Status LED Indicator



Steady green indicates regulator is energized and alternator is producing regulated voltage at set point.



Flashing green indicates voltage is at set point with surge suppression disabled due to high ripple current or battery less operation.



Steady amber indicates regulator is energized and voltage is below set point or alternator is overloaded.



Flashing amber indicates the alternator is not rotating.



Steady red indicates field coil failure.



Flashing red indicates over voltage cut out condition. (OVCO)

