



C680 Alternator

14 Volt 430 Amp

Key Features

High Output at Idle, 240A at 200°F

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

Patented unique brushless construction eliminates rotating windings, brushes, and slip rings. This increases durability, extending service life, eliminating arcing and reducing electromagnetic interference (EMI).

Optional battery voltage / temperature sense regulator allows for battery charge rate optimization in all climates and operating conditions. J1939 compatible

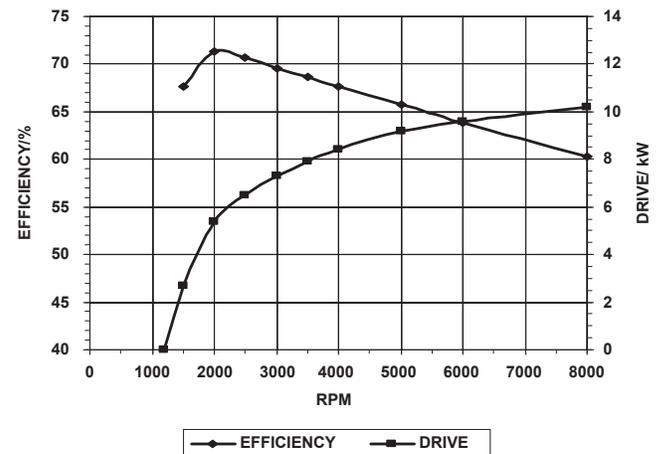
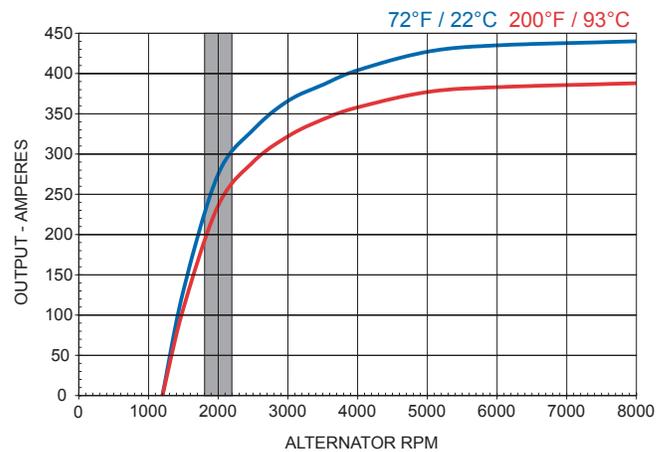
Overvoltage Cut-Out Circuit (OVCO) is a safety feature that detects high voltage in excess of normal voltage transients and prevents sustained overvoltage conditions.

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

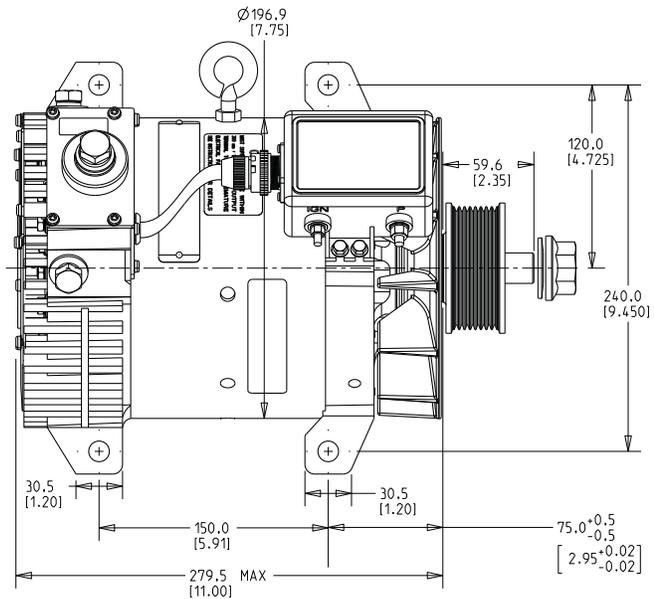
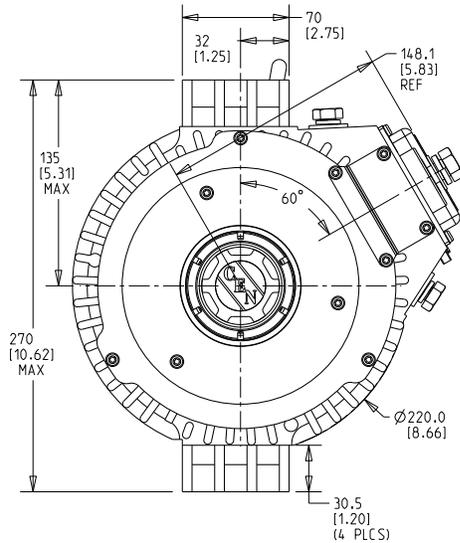


The measurements listed on the curves are taken at the listed ambient temperatures with a stabilized machine temperature, as per SAE J56. The shaded area highlights output available at typical engine idle alternator speed.



Dimensions

Linear Measure mm [in]



Unit Specifications

Bidirectional rotation

External regulator

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

70.6 lbs. / 32.1 kg Unit weight

90 - 100 lbs. ft. Belt tension

Accessories

A2-155 Regulator

A2-358 Temperature sense regulator

A2-382 Smart temp/volt sense regulator

8 or 10 Groove pulley

Charging System Status LED Indicator

-  Green LED indicates regulator is energized and alternator is producing regulated voltage at set point.
-  Amber LED indicates regulator is energized and voltage is below set point or alternator is overloaded.
-  Red LED indicates Voltage is above set point.

