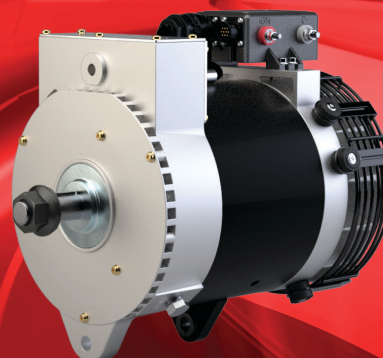


C653(A) Alternator

28 Volt 260 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

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

High temperature insulation and conformal coating increases durability and vibration resistance in hot engine compartments and seals out moisture protecting against corrosion.

Unit has a P terminal for optional tachometer use and a D+ terminal for optional charge warning light.

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

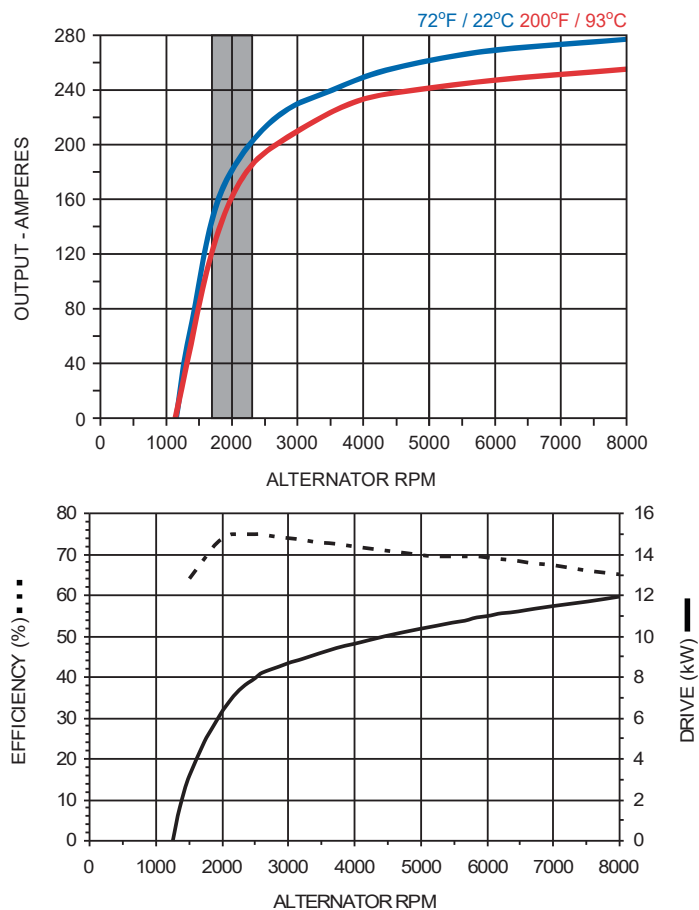
Air cooling eliminates the need for an oil circulation system. No possibility of oil leaks, no hoses, and no waste heat transferred to the engine.

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

High efficiency operation: Lower internal operating temperatures 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

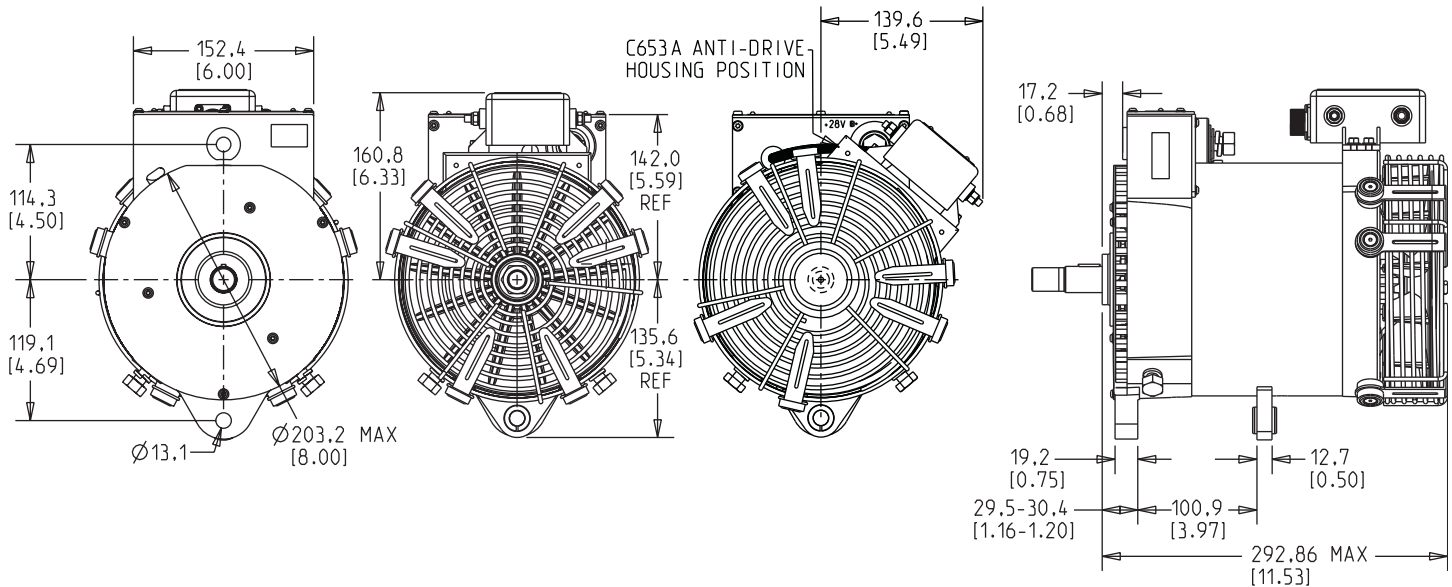


The measurements listed on the curves are taken at the listed ambient temperatures with a stabilized machine temperature, as per SAE J56. The shaded area highlights output available at typical engine idle alternator speed.



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

65 lbs. / 29.3 kg Unit weight

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.

Accessories

A2-146 Flat temperature compensated regulator

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

A2-391* Smart regulator - temp/voltage sense, J1939 compatibility

*Please contact CEN for harness options for use with temp/volt sense regulators and smart regulators.

