



24 VOLT ALTERNATOR



150 AMP

**HIGH
OUTPUT
ALTERNATOR**

**SPECIFICATION
SHEET**

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SMART BATTERY CHARGER

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DESIGN

The alternator is a three-phase, 12-pole synchronous self-excited generator with two internal fans and built-in regulator and rectifier. The compact construction and carefully selected materials assure improved technical characteristics and long life, service free, operation even under the harshest conditions of high and low temperatures, salt spray, humidity, water, dust, vibration and aggressive liquids.

STATOR WINDING

The stator has a three-phase winding on a laminated pack. The selected design and high filling factor of the stator slots provides improved cooling, low noise and high output characteristics.

ROTOR

Two internal fans positioned on the claw poles provide more effective cooling with lower noise and higher protection against accidental contact as well as higher output. Smaller slip rings assure higher brush durability, even at high speeds. Encapsulated slip rings offer increased durability of the alternator.

RECTIFIER

Sandwich construction of the rectifier with press fit Zener diodes provides for low temperatures of the rectifier diodes, high resistance to vibrations and protection of loads on the vehicle against alternator over voltages. The installation of the rectifier on the outer side of the rear end bracket ensures flexible arrangement of all types of terminals.

REGULATOR

The regulator, together with the brush holder, is assembled on the rear end bracket. Regulators use microelectronic technology and are multifunction. The highest quality of brushes ensures long life of the alternator.

BEARINGS, BRACKETS AND PULLEYS

Brackets, bearings and pulleys are made according to the customers' requirements. A range of special sealed bearings makes it possible to design alternators for specific installations, operating in the harshest conditions whilst achieving long, maintenance free life.

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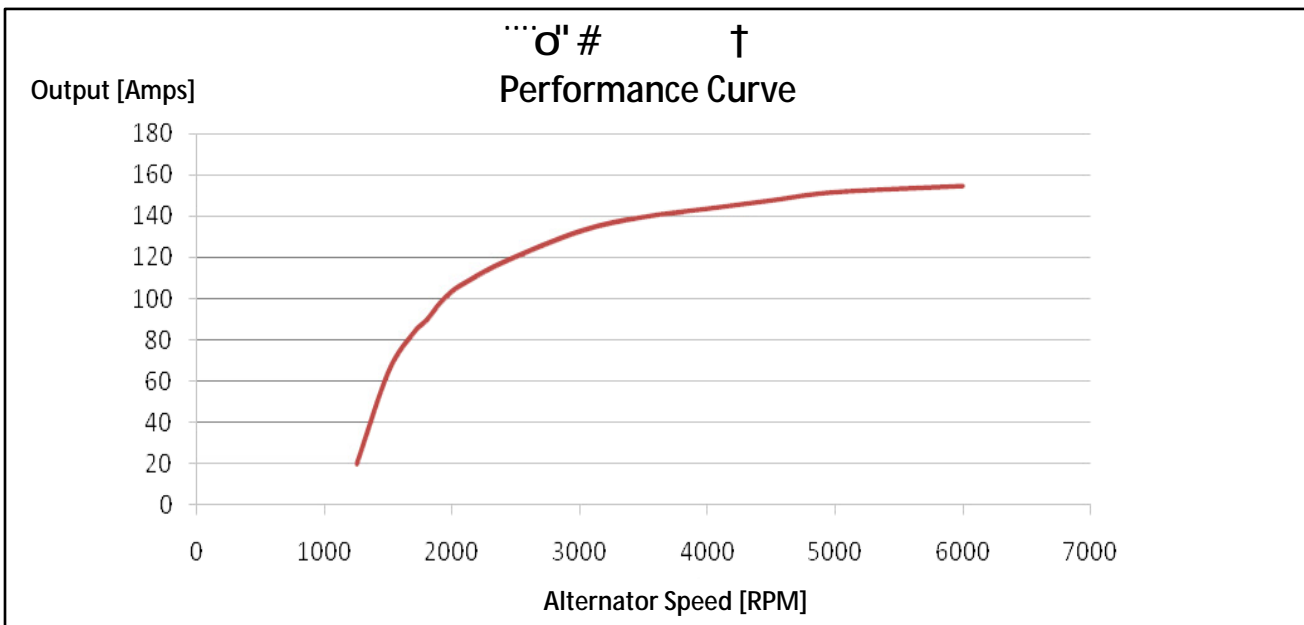
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Part Number: SBC-150-24V



Volts	24
Maximum Amps	150
Mounting Style	Direct Fit Using Supplied Bracket
Rotation	Clockwise
Housing Material	A305 Aluminum
Housing Finish	Natural Aluminum
Positive Output Stud	8mm x 1.25 Copper
Negative	Case Ground
Insulated Ground	No
Regulator Sensing	Internal
Excitation	Self Excited
Regulation	Internal Multi-Function
Regulator Type	OEM
Rotor Shaft Diameter	17mm
Pulley	Steel
Rectifier	Internal
Shipping Weight	18 lbs / 8.1 kg



We reserve the right to change or modify the contents of this document and/or the functionality of the Alternator without notice.

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