



DelStar®

HD Brushless

Series 200

J180 4" Hinge

PRODUCT FEATURES

● **UNIQUE DUAL ROTOR BRUSHLESS CONSTRUCTION**

Extends the service life and increases durability by eliminating: Brushes, Slip Rings and the Rotating Winding.

● **HIGH OUTPUT DESIGN**

Capable of producing more than 73% of its rated power at engine idle makes this an efficient alternator capable of handling the high electrical load demands at low alternator (rotor) RPM.

● **HIGH EFFICIENCY**

Means less engine power required for the electrical load, directly resulting in less fuel consumption.

● **LONG LIFE BEARINGS**

The 200 Series has been engineered for superior reliability. Featuring two 30mm High-Temperature, front ball bearings, capable of withstanding extreme belt loads and temperatures imposed by today's severe applications.

● **HIGH TEMPERATURES**

Designed to endure high temperature environments of 110°C / 230°F. Now available with a "Fresh Air Intake Cover" allowing cooler outside air to flow directly to the alternator therefore increasing the operating limits to 125°C / 257°F.

AVAILABLE MODELS:

- 12V- 475, 375 Amps, Negative or Insulated Systems.
- 24V- 260 Amps, Negative or Insulated Systems.

APPLICATIONS:

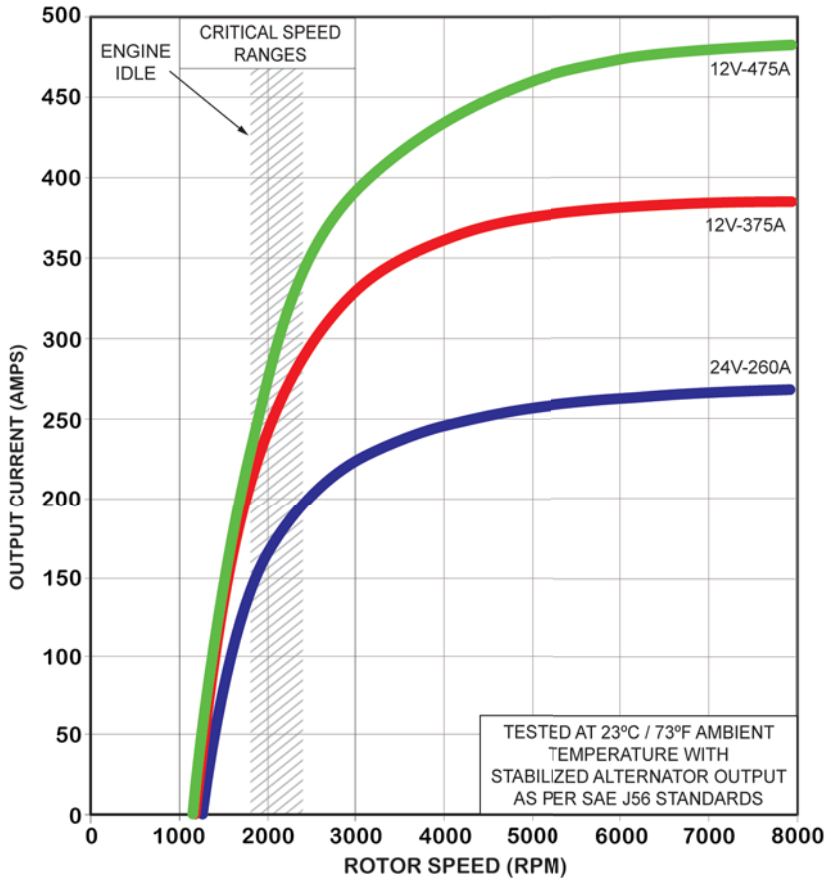
- Emergency Vehicles
- Marine
- Mining
- Industrial
- Construction

The DelStar Series alternators are an integral charging system of an innovative brushless design. The compact, heavy duty construction, provides increased service life expected to match the longer maintenance intervals of today's engines, while providing a performance level without parallel.



Series 200

PERFORMANCE CURVES



SPECIFICATIONS

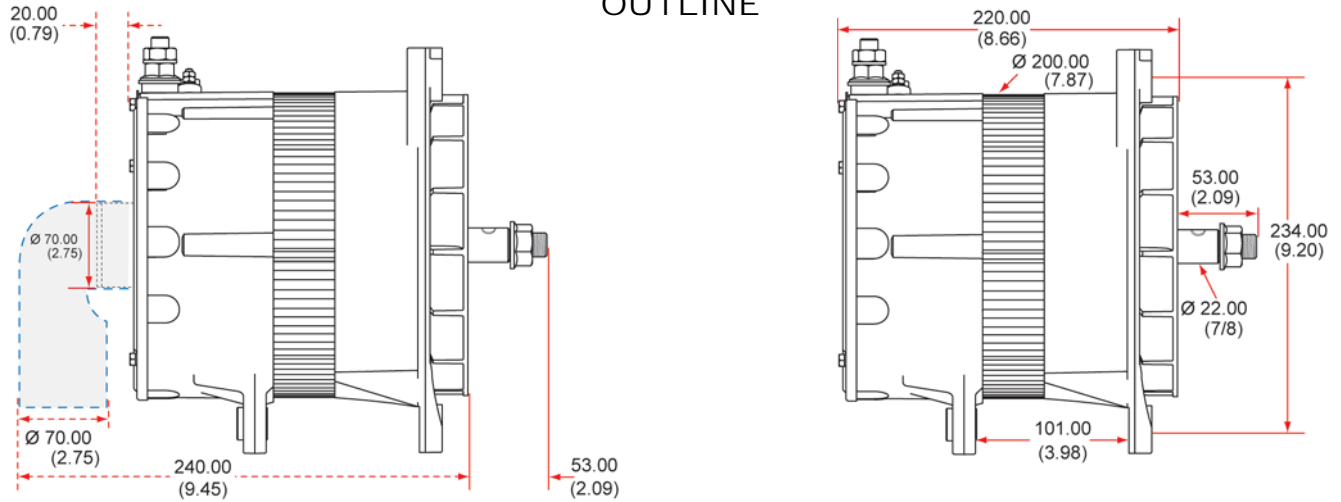
- SAE J180 4" hinge mount
- Rotation: Bidirectional
- Internal or Remote Voltage Regulator
- Self-excited one wire connection
- Relay/AC terminal
- Indicator light terminal
- Sense terminal (Remote)
- Temperature limits:
 - Low -40°C / -40°F
 - High 110°C / 230°F
 - High 125°C / 257°F (with fresh air intake)
- Speed limits: 7,000 RPM continuous
8,000 RPM intermittent
- Weight: 53 Lbs. / 24 Kg.

CRITICAL SPEED RANGES

12V	475A	375A	24V	260A
RPM	AMPS	AMPS	RPM	AMPS
1800	230	219	1800	141
2000	310	247	2000	165
3000	392	330	3000	223
4000	435	358	4000	245
5000	456	371	5000	256
6000	475	377	6000	262

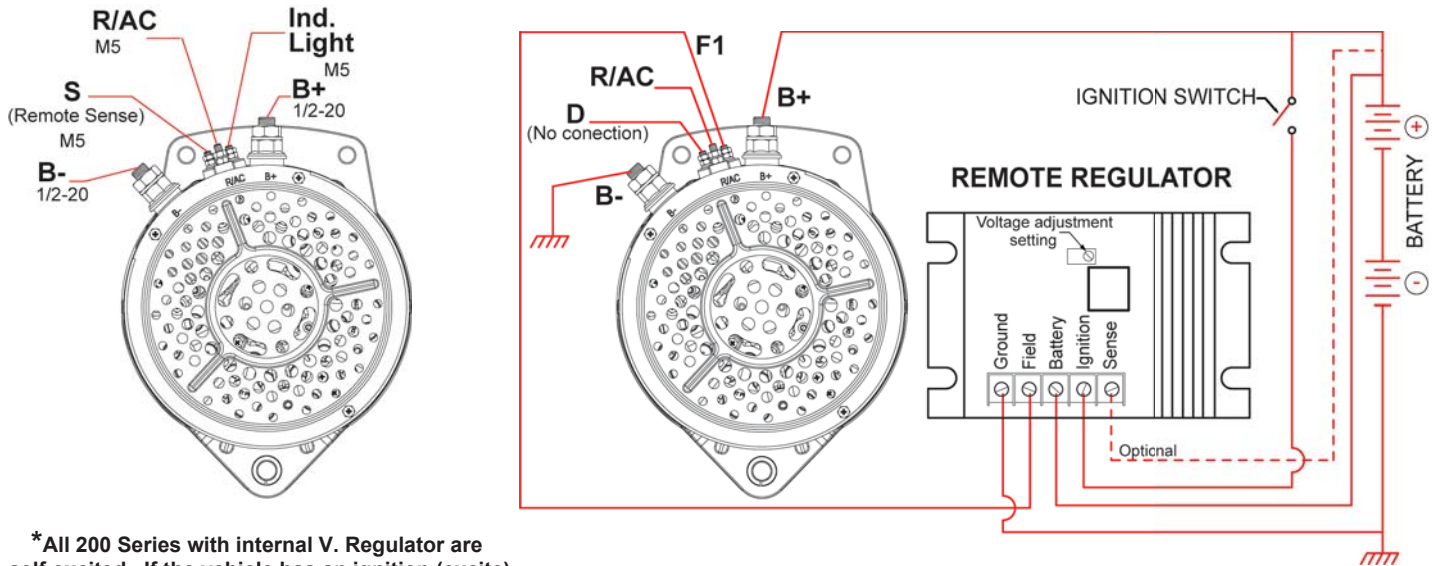


OUTLINE



Dimensions are listed in mm over (in)

WIRING




*All 200 Series with internal V. Regulator are self-excited. If the vehicle has an ignition (excite) circuit, cap the excite wire as it is not required.

ALTERNATOR No.	Amps Output @ 2000 / 6000 rpm		
100-20101,-D	12V	245 / 375A	
100-20102,-D	12V	245 / 375A	INS. GRD. w/ REMOTE V. REGULATOR
100-20103,-D	12V	310 / 475A	
100-20201,-D	24V	165 / 260A	
100-20204,-D	24V	165 / 260A	INS. GRD.
100-20207,-D	24V	165 / 260A	INS. GRD. w/ REMOTE V. REGULATOR

NOTE: Add suffix "-D" for air intake cover and optional 90° elbow

COMPETITIVE INTERCHANGE

DELSTAR™ Brushless			C.E. Niehoff Brushless		
Mounting	200 Series Part No.	Amps Output @ 2000 / 6000 rpm	C600 Series Part No.	Amps Output @ 2000 / 5000 rpm	Amps Output @ 2000 / 6000 rpm
	100-20101	12V 245 / 375A	C630	245 / 350A	
	100-20103	12V 310 / 475A	C657	270 / 400A	
	100-20201	24V 165 / 260A	C653 C653A	175 / 260A	

IMPORTANT : Ensure alternator cables are adequate to handle the alternator output current. Voltage drop between Alternator B+ (Output Terminal) and Battery B+ (Positive Terminal) should not exceed 0.5 Volts drop at full alternator output.

For additional cross reference information visit our website e-Cat: www.dixie-electric.com



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