

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**

Producing more than 74 % 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, resulting directly in less fuel consumption. With an unmatched peak efficiency, the Series 180 are the most efficient alternators in their class.

- **LONG LIFE BEARINGS**

The 180 Series has been engineered for superior reliability. It features a 25.5 mm wide front ball bearing with High-Temperature grease and seals, capable of withstanding high belt loads and temperatures imposed by today's toughest applications.

- **HIGH TEMPERATURES**

Designed to endure high temperatures of 110°C / 230°F or 125°C / 257°F environments with an optional "Fresh Air Intake Cover", allowing cooler outside air to flow directly into the alternator.

AVAILABLE MODELS:

- 12 Volts 385, 435 Amps
- 24 Volts 200, 250, 300 Amps
- Negative or Insulated.

APPLICATIONS:

- School & Shuttle Buses
- Utility Vehicles
- Agricultural & Industrial
- Emergency Vehicles
- Marine & Mining
- Construction

WARRANTY:

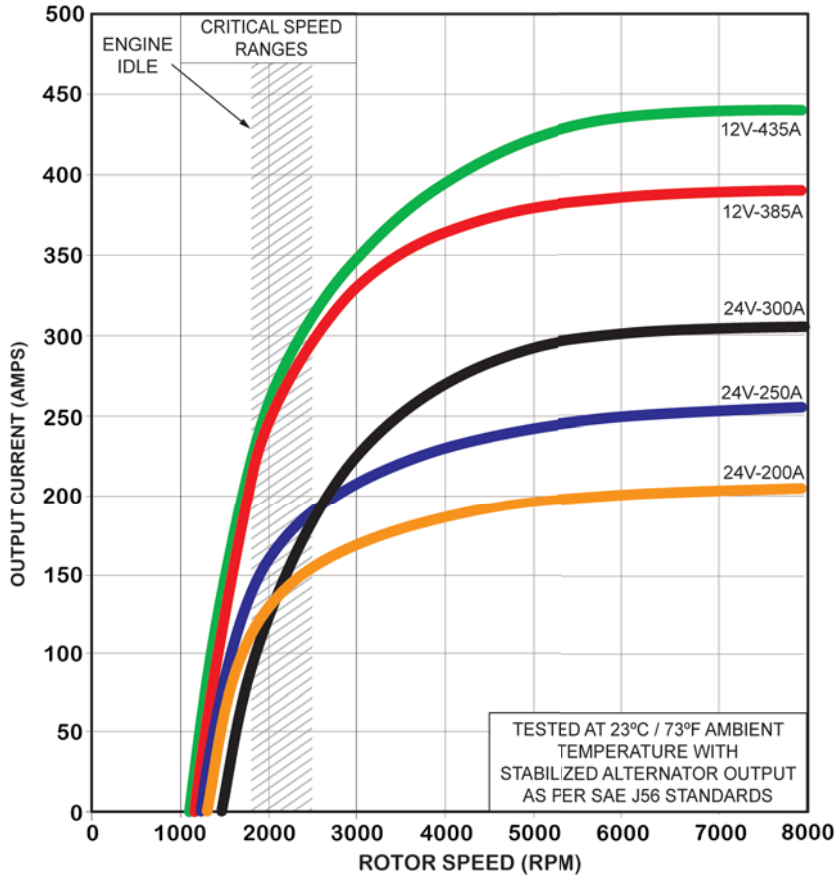
3 Years Limited Warranty

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 180

PERFORMANCE CURVES



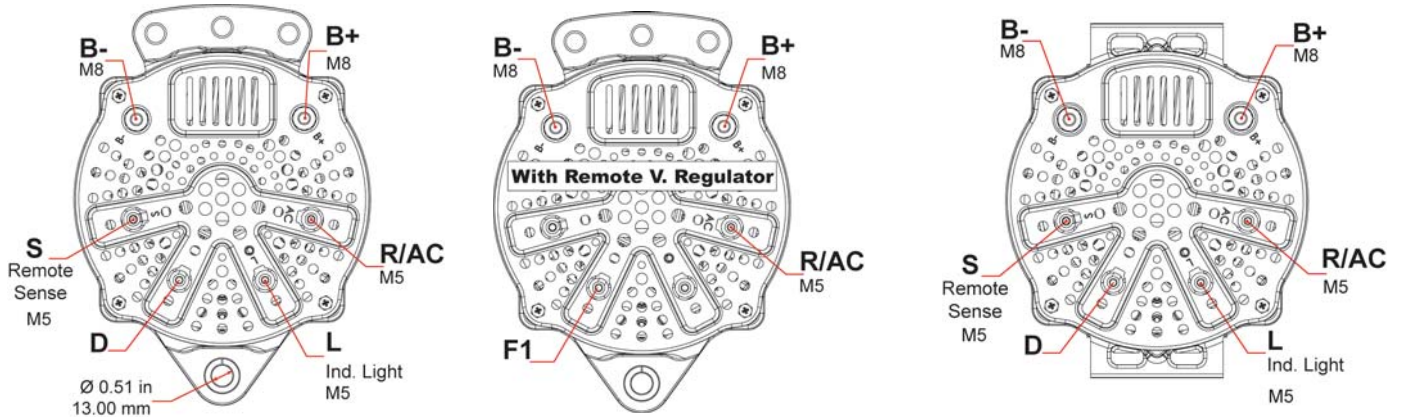
SPECIFICATIONS

- SAE J180 4" Hinge & Pad mounts.
- Rotation: Bidirectional
- Internal 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: 8,000 RPM continuous
9,000 RPM intermittent
- Weight: 46 Lbs. / 21 Kg.



Available with optional Air Intake cover and 90° Elbow

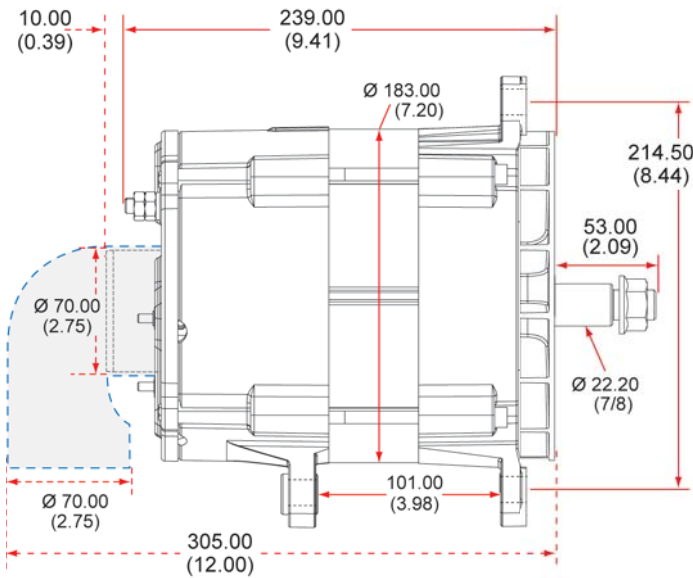
CONNECTIONS



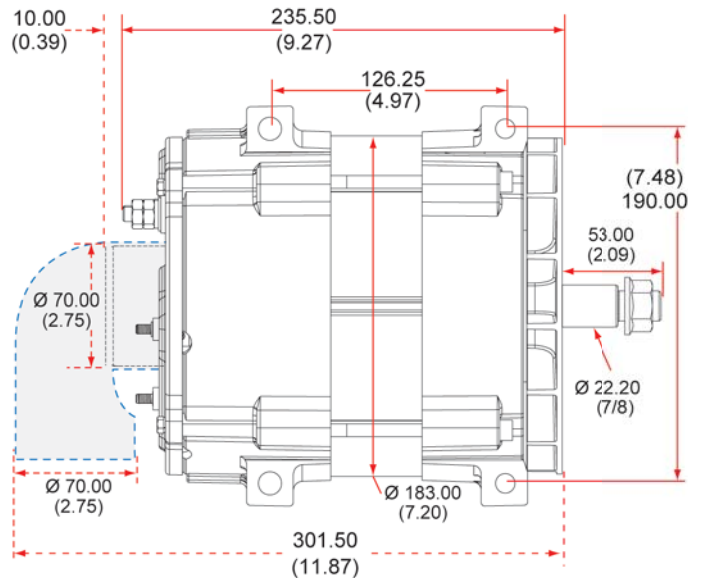
IMPORTANT : Ensure alternator cables are adequate to handle the alternator output current. Voltage drop between Alternator B+ (Output Terminal) and Battery B+ (Positive Terminal) should not exceed 0.5 Volts drop at full alternator output.

OUTLINE

J180 4" Hinge Mount





PAD Mount



Dimensions are listed in mm over (in)

COMPETITIVE INTERCHANGE

DELSTAR® Brushless			Delco Remy Brushless		Leece-Neville Brush Design		C.E. Niehoff Brushless	
Mounting	180 Series Part No.	Amps Output @ 2000 / 6000 rpm	55SI Series Part No.	Amps Output @ 2000 / 6000 rpm	4000 Series Sales No.	Amps Output @ 2000 / 6000 rpm	C Series Part No.	Amps Output @ 2000 / 5000 rpm
 PAD	100-18113	12V 245 / 385A					C527	200 / 360A
							C531	200 / 360A
							C534	200 / 360A
	100-18111	12V 260 / 435A	8600473	230 / 420A				
			8600629	230 / 430A				
	100-18211	24V 160 / 250A	8600453	130 / 250A	4964PA,H	100 / 200A		
			8600581	130 / 250A	4980PAH-P	100 / 200A		
	100-18213	24V 160 / 250A	INS. GRD.					
 J180 4" Hinge	100-18100	12V 245 / 385A						
	100-18101	12V 260 / 435A						
	100-18201	24V 160 / 250A			4740JB	100 / 200A		
					4740JB	101 / 200A		
	100-18202	24V 130 / 250A	INS. GRD.					
	100-18203	24V 160 / 250A	INS. GRD. EXT.V.REG.					

No. 9800-DELA-180 151211

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

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