

INNOVATIVE FEATURES

• **HIGH EFFICIENCY:**

High efficiency means cooler internal alternators operating temperatures resulting in less engine horsepower required and maximizing fuel savings. Our unique air flow design offers a more efficient air flow through the windings which directly translates in maximum output and efficiencies.

• **TEMPERATURE RATING:**

All our alternators are validated to work and operate in today's ambient air temperatures of up to 125°C / 257°F

• **DEBRIS FREE & COOLER OPERATION:**

For high debris or high temperature environments, all DelStar series alternators are available with an optional Air Intake Cover by adding the letter "D" after the part No. The Ducted air allows filtered or fresh air flow to the unit which will improve output, efficiency and extends the alternator service life.

• **SOFT START DELAY (SSD)
& LOAD RESPONSE CONTROL (LRC):**

Again "SETTING the STANDARD" with a newly introduced SMART REGULATOR where at engine start up, the regulator monitors the (low) engine RPM, it controls and gradually introduces alternator output to eliminate engine torque decrement due to a sudden and abrupt load transition at low RPM.

• **OVERVOLTAGE SHUT-DOWN (OSD):**

Designed to protect onboard electronics that are very sensitive to high voltage conditions, by shutting down the alternator output and restoring output only when the voltage is stabilized to or below the regulator voltage set point.

AVAILABLE MODELS:

- 12V-200, 210, 240, 275 Amps.
- 24V-125, 150, 160 Amps.

APPLICATIONS:

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

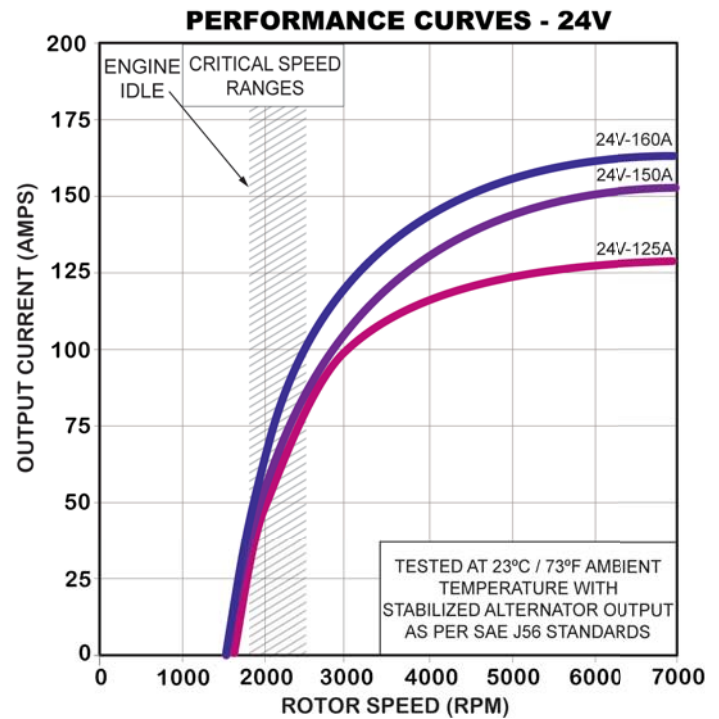
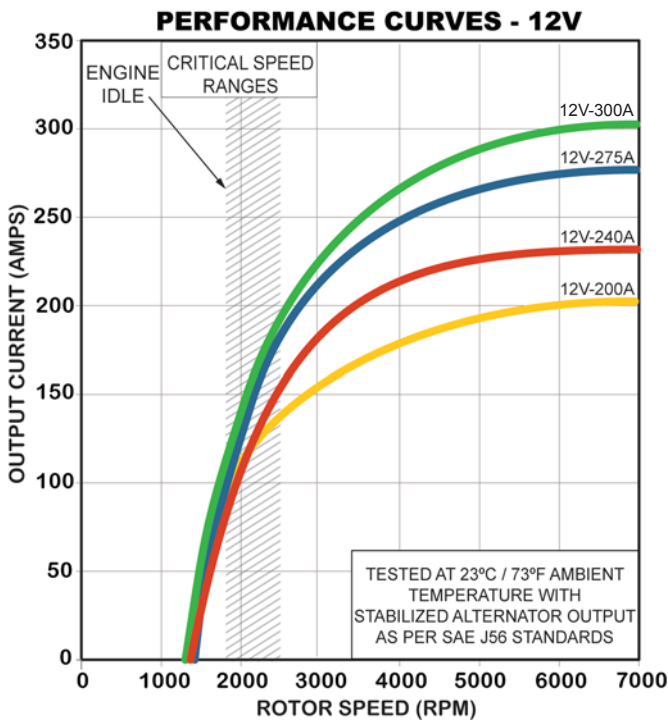
The DelStar Series alternators are an integral charging system of an innovative brushless design. The compact, heavy duty construction, provides increased service life expected to match the longer maintenance intervals of today's engines, while providing a performance level without parallel.



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)

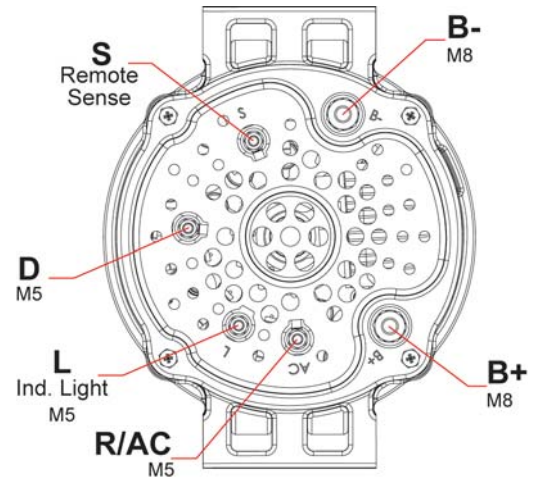
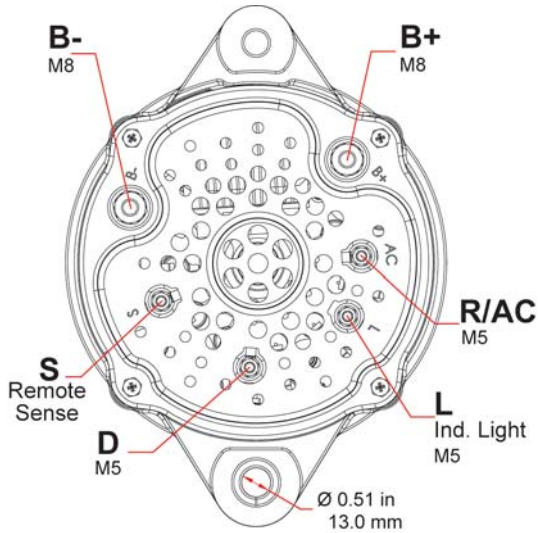
- Temperature limits:
Low -40°C / -40°F
High 110°C / 230°F
High 125°C / 257°F (*with fresh air intake*)
- Speed limits: 8,000 RPM continuous
9,000 RPM intermittent
- Weight: 28 Lbs. / 12.7 Kg.



CRITICAL SPEED RANGES

14V	300A	275A	240A	200A	28V	160A	150A	125A
RPM	AMPS	AMPS	AMPS	AMPS	RPM	AMPS	AMPS	AMPS
1800	110	100	88	102	1800	70	36	36
2000	140	135	126	116	2000	85	55	48
3000	212	217	179	153	3000	124	106	99
4000	239	245	212	175	4000	137	129	112
5000	265	263	229	187	5000	151	146	121
6000	291	275	240	200	6000	160	150	128

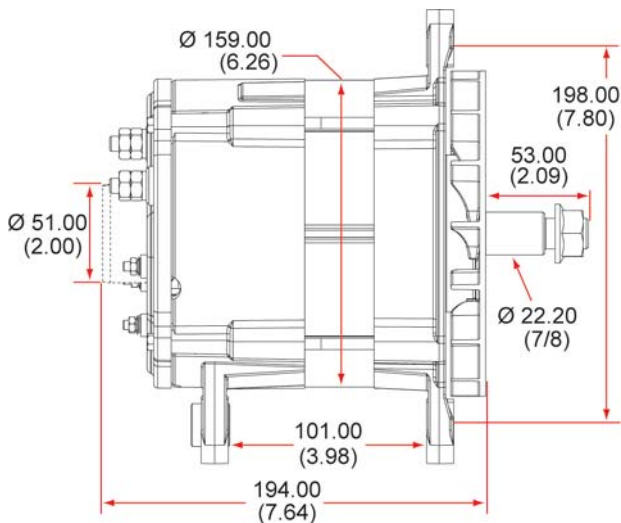
CONNECTIONS



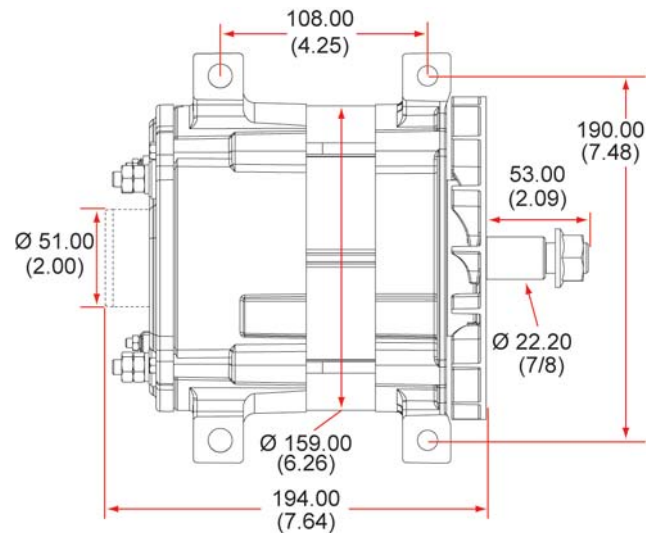
IMPORTANT : Ensure alternator cables are adequate to handle the alternator output current. Voltage drop between Alternator B+ (Output Terminal) and Battery B+ (Positive Terminal) should not exceed 0.5 Volts drop at full alternator output.

OUTLINE

J180 4" Hinge Mount




PAD Mount



Dimensions are listed in mm over (in)

COMPETITIVE INTERCHANGE

DELSTAR® Brushless			Delco Remy			Leece-Neville		Denso				
Mounting	Series 160 Part No.	Amps Output @ 2000 / 6000 rpm	Part No.	Series	Amps Output @ 2000 / 6000 rpm	Part No.	Amps Output @ 2000 / 6000 rpm	Part No.	Amps Output @ 2000 / 6000 rpm			
 PAD	100-16115	12V 116 / 200A	8600127	36SI	105 / 170A	8LHP2246VAH	95 / 160A					
			8600488									
			8600015	36SI	105 / 165A					8LHP2253V		
			8600060									
			8600171									
	8600203	8LHP2276V	105 / 170A									
	100-16111	12V 135 / 275A				A0014911PA	140 / 245A					
						A0014913PA						
	100-16113	12V 126 / 240A				AVI160P2003	140 / 240A					
						AVI160P2009						
			A0014900JB	125 / 200A								
			8600707		38SI	120 / 215A	A0014940PA					
			8600338		40SI	130 / 240A	A0014948PA					
						A0014951PAH	130 / 210A					
						AVI160P2007						
100-16115	12V 116 / 200A				BLP2131GH	105 / 160A						
					BLP2309GH							
					BLP2332GH				107 / 185A			
			BLP2333GH									
						BLP2357GH	125 / 200A					
						BLP2362GH						
100-16215	24V 55 / 150A						101210-9010	63 / 150A				
100-16214	24V 55 / 150A				8600232	36SI	45 / 105A					
					8600398							
					8600110					36SI	45 / 95A	BLP3312
					8600369					36SI	45 / 105A	BLP3317A
100-16215	24V 85 / 160A				8600470	BLP3358GH						
100-16100	12V 116 / 200A				8600072	36SI	105 / 165A					
					8600082							
					8600197							
					8600126					36SI	105 / 170A	
					8600279					40SI	144 / 275A	
100-16101	12V 135 / 275A				8600299	40SI	125 / 300A					
100-16102	12V 140 / 300A				8600339	40SI	130 / 240A					
100-16103	12V 126 / 240A											
100-16204	24V 54 / 125A				8600333	33SI	35 / 100A					
					19011165							
					19011153					33SI	20 / 100A	
100-16205	24V 55 / 150A						101210-9000	63 / 150A				

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

9800-DELA-160 141222 - Rev.: 151126

CANADA & EXPORT SALES

Dixie Electric Ltd.
 517 Basaltic Road
 Concord, ON.
 Canada L4K 4W8
 Tel.: 905-879-0533 800-461-5799
 Fax: 905-879-0532
 E-Mail: sales@dixie-electric.com
 Web Site: www.dixie-electric.com



U.S.A. SALES

Dixie Electric Inc.
 17100 Medina Rd, Suite 100
 Minneapolis, MN.
 U.S.A. 55447-1249
 Tel.: 763-475-6629 800-478-0608
 Fax: 763-475-6635 800-392-8719
 E-Mail: mn.sales@dixie-electric.com
 Web Site: www.dixie-electric.com