28SI™

Heavy Duty Style Alternator
High Output 160, 180 and 200 Amps

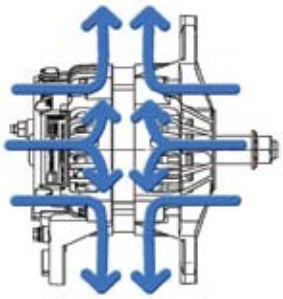
Delco Remy®

C11128

Intelligent Design

The 28SI is specially designed to fit demanding applications like school buses, recreational vehicles, shuttle buses, utility trucks and other vehicles that have to contend with strong electrical loads as part of their daily operating routine. Add to that proven technologies like Dual Internal Fans and Remote Sense and you've got an alternator in a class by itself.

Maximum Cooling Technology

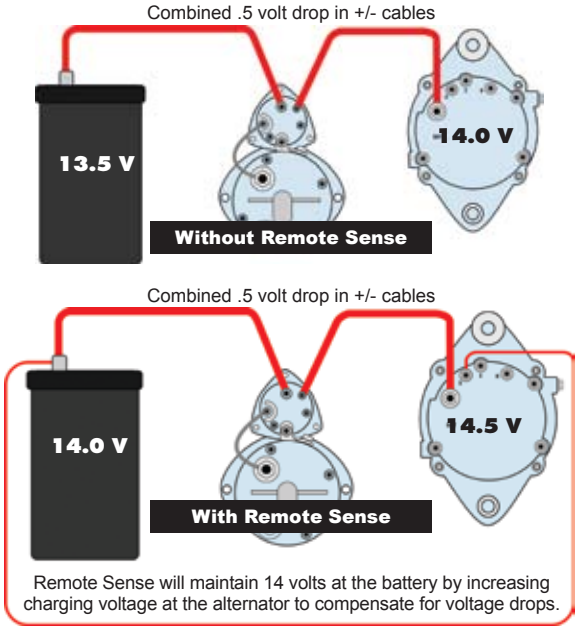


Dual Internal Fan Design

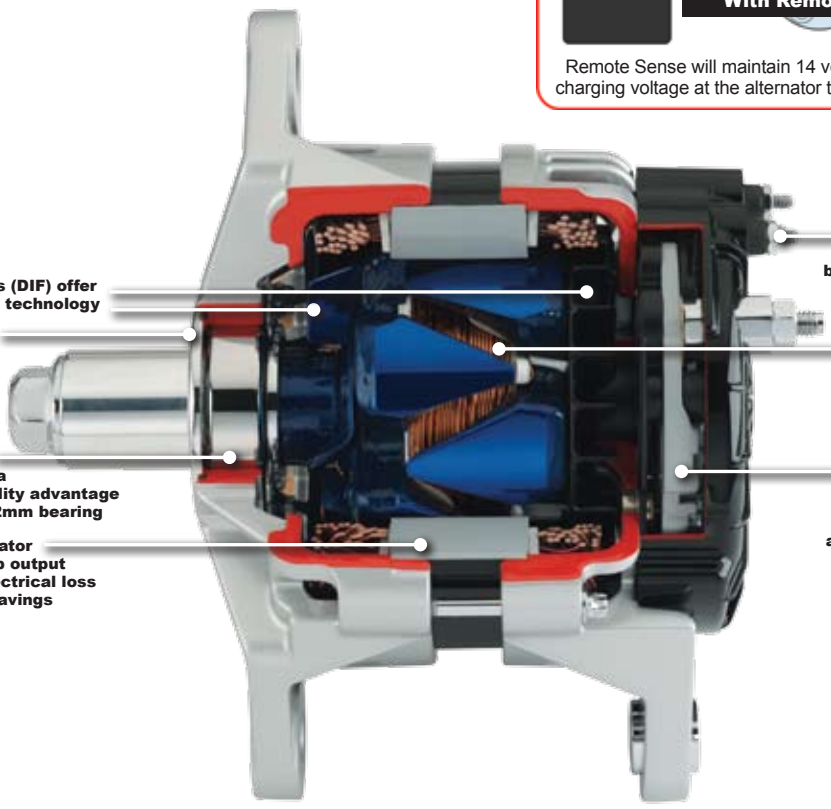
The 28SI has a Dual Internal Fan (DIF) design that provides maximum cooling technology. Dual fans mean greater air circulation over the alternator electronics. That allows the alternator to run at lower temperatures which improves the operating efficiency and durability of the unit. The diagram above demonstrates how the 28SI draws air in from both the drive and terminal ends of the alternator, circulates it over the internal components and then out through air vents in the frame. The result is an alternator that runs dramatically cooler.

Remote Sense Can Reduce Battery Charge Time by 50%

Due to resistance in battery cables, environmental factors and other conditions, the voltage from the alternator drops by the time it reaches the battery. Just because the alternator is sending 14 volts doesn't mean that the battery is receiving 14 volts. That's why we've included Remote Sense on all models. With Remote Sense, a second wire reads the actual voltage at the battery. It signals the alternator to boost its output to compensate for voltage drop ensuring 14 volts at the battery. Research has shown that an increase of just 1/2 volt, when needed, can cut the battery charge time in half. At the end of the day, it can make the difference between batteries that are fully charged and those that aren't.

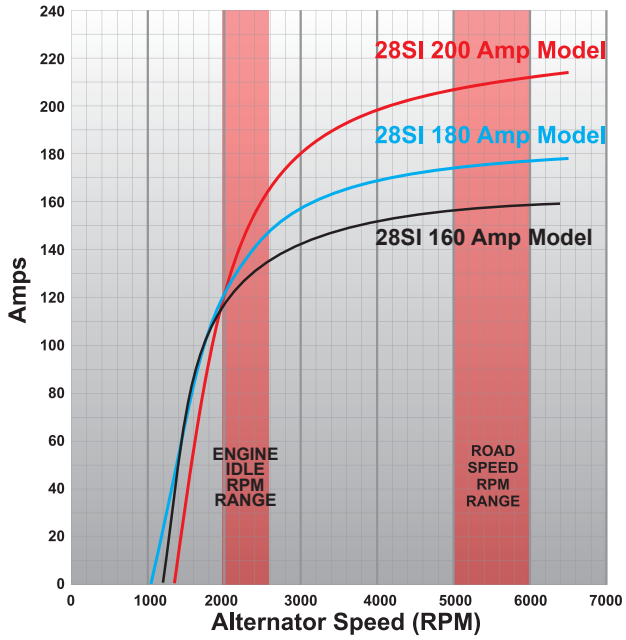


Remote Sense will maintain 14 volts at the battery by increasing charging voltage at the alternator to compensate for voltage drops.

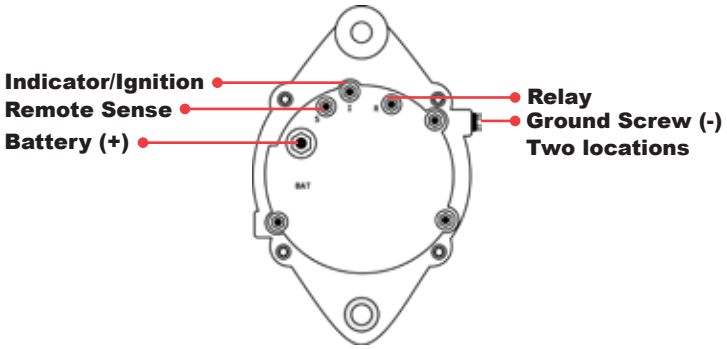


28SI Specifications	
Performance Output	12 Volts 160 Amps (125 Amps at engine idle) 12 Volts 180 Amps (130 Amps at engine idle) 12 Volts 200 Amps (140 Amps at engine idle)
Maximum Speed	10,000 RPM Continuous 12,000 RPM Intermittent
Rotation	Clockwise
Temperature Limits	Low -40°C (-40°F) High 125°C (257°F)
Polarity	Negative Ground
Mounting	J180 Short Hinge Mount J180 Long Hinge Mount Pad Mount
Weight	18.7 lbs (8.5 kg)

28SI 12 Volt Performance Curves



28SI Installation Information



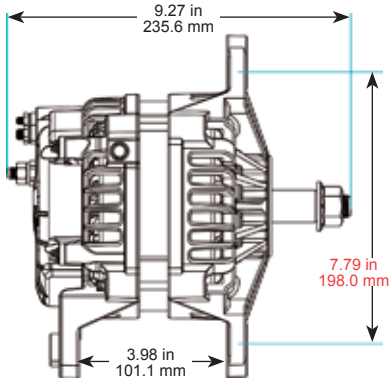
Aftermarket Warranty	
School Bus	2 Years / Unlimited Miles
Truck **Emergency Vehicle** **Shuttle Bus** **Recreational Vehicle**	1 Year / Unlimited Miles

Details can be found at delcoremy.com

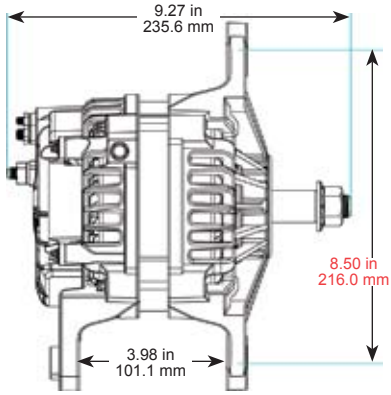
Mounting Styles

The difference between the J180 hinge mount styles is in the distance separating the bolt holes at the front of the alternator. Use an accurate ruler or the gauge at the right edge of this page to measure your existing unit.

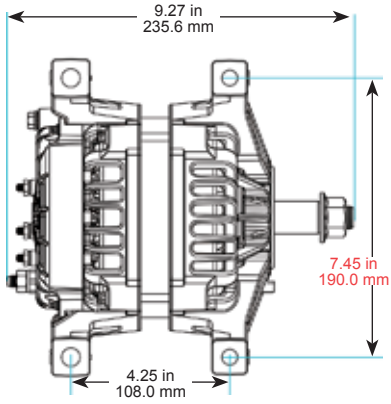
J180 Short Hinge Mount



J180 Long Hinge Mount



J180 Pad Mount



J180 LONG HINGE MOUNT Distance between bolt-hole centers 8.50 in (216.0 mm)

J180 SHORT HINGE MOUNT Distance between bolt-hole centers 7.79 in (198.0 mm)

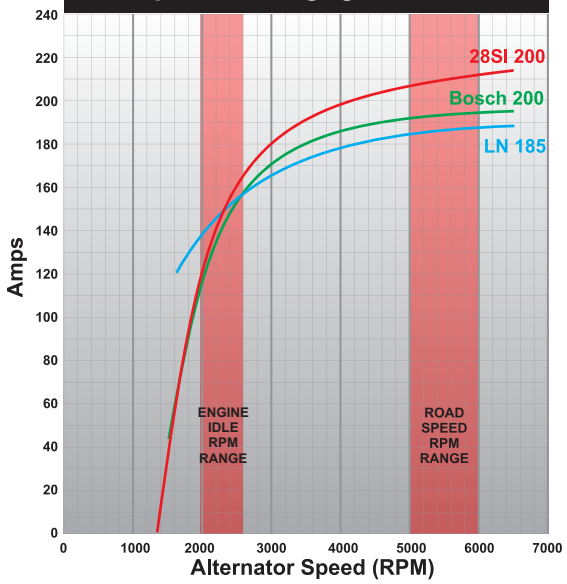
Competitive Comparison / Cross Reference

Competitive Interchange Data								
Mounting	Delco Remy			Leece-Neville			Bosch	
	Model	Part #	Output (Amps)	Part #	Sales #	Output (Amps)	Part #	Output (Amps)
Pad	28SI	86000315 86000316	160 180	8LHP2276V	110-775P	170	AL9961LH	160
		86000314	200	A0014939AAH	4939AAH	185	AL9962SB	200
				A0014939PGH	4939PGH			
				A0014943PGH	4943PGH			
				A0014945AAH	4945AAH			
J-180 Short Hinge	28SI	8600312 8600223	160 180				AL9960LH	160
		8600313	200				AL9963SB	200
J-180 Long Hinge	28SI	8600308 8600311	160 180	A0012800LC	2800LC	160		
				A002801LC	2801LC			
				A0012802LC	2802LC			
				A0012824LC	2824LC			
				A0012825LC	2825LC			
				A0012828LC	2828LC			
				A0012913LC	2913LC			
				8LHA2275V	110-775	170		
		8600307	200	A0014836AAH	4836AAH	185		
				A0014836LGH	4836LGH			
				A0014846AAH	4846AAH			
				BLD2331GH	2331GH			
				BLD2333GH	2333GH			

The Delco Remy 28SI 200 Amp is the ideal solution for school bus applications. In fact, 28SI is compliant with the National School Buses Specification and Procedures regarding alternators.

The 28SI supports a variety of other applications that require a heavy electrical load. It meets the needs of utility work trucks, shuttle buses, entry-level recreational vehicles and commercial trucks that carry a heavy electrical load.

Competitive Charging Performance



Side-By-Side Comparison

Specifications	Delco Remy 28SI 200 Amp	Leece-Neville 4800-4900 Series 185 Amp	Bosch AI9963SB 200 Amp
Weight	18.7lbs/8.5kg	33lbs/15kg	18.3lbs/8.3kg
Length	216 mm	275 mm	207 mm
Overall Diameter	154 mm	168 mm	156 mm
Stator Diameter	144 mm	168 mm	145 mm
Fan Type	Dual Internal	Single External	Dual Internal
Remote Sense	Yes	No	No
Output @ 2000 rpm	125 amps	140 amps	115 amps
Output @ 6000rpm	212 amps	188 amps	200 amps
Peak Efficiency	68%	60%	68%
DE Bearing Size	62 mm	62 mm	52 mm
Temperature Rating °C	125	110	125*

* Bosch model regulator will shut down completely before 125° resulting in no alternator output at this temperature

Remy International Inc., headquartered in Pendleton, Indiana, is a leading manufacturer, remanufacturer and distributor of Delco Remy brand heavy-duty systems and Remy brand starters, alternators and hybrid power technology.

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