40SI™ Heavy Duty Brushless Alternator

High Efficiency = Fuel Economy Go to delcoremy.com to calcuate your savings when you install a 40SI.

Features & Benefits

- **Brushless Advantage:** fewer moving parts means less wear and longer life
- **Equipped with Remote Sense** which can reduce battery charge time by 50%
- **OE approved**, assuring OE quality and performance for aftermarket replacements
- **Superior output** producing up to 320 Amps at road speed and 190 Amps at idle
- **Warranty:** 3 year/unlimited miles*

* Applicable to U.S. and Canada only

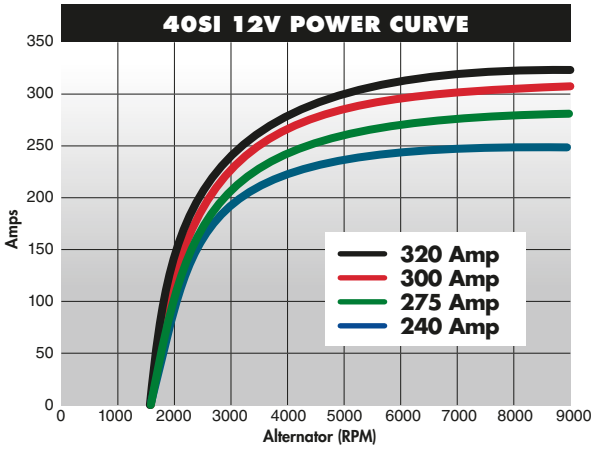
High efficiency translates to less engine horsepower requirements, resulting in substantial fuel savings.

Real time operating data was collected on several vehicle applications for the overall vehicle and electrical system. The following chart shows the fuel cost savings over a typical life cycle by increasing the alternator efficiency from 60% to 72%.

FUEL SAVINGS

Vehicle Type & Miles Driven	Average Current	Fuel Cost with a 60% Efficient Alternator	Fuel Cost with a 72% Efficient Alternator (40SI)	Savings
Line Haul Tractor (500k mi)	84 Amps	$4,534	$3,778	$756
City Tractor (350k mi)	40 Amps	$2,235	$1,863	$372
School Bus (250k mi)	102 Amps	$9,040	$7,533	$1,057

Based on diesel fuel at $4/gal

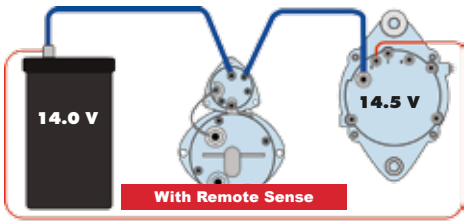


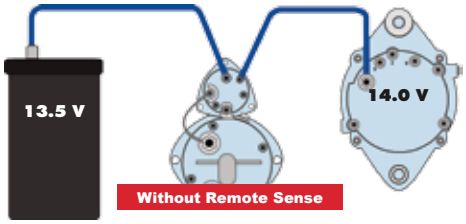
SIDE-BY-SIDE COMPARISON

Specs	40SI	Leece Neville
Design	Brushless	Brush
Temp. Rating	240 & 275 Amp: 257°F/125°C 300 & 320 Amp: 239°F/115°C	230°F/110°C
Average Efficiency	72%	60%
Weight	31 lbs/14.1 kg	32 lbs/14.4 kg
Stator Diameter	152 mm	167 mm
Length	252 mm	272 mm
Remote Sense	Yes	No

Remote Sense can reduce battery charge time by 50%

The 40SI is equipped with Remote Sense which utilizes a second wire that reads the actual voltage at the battery. This signals the alternator to boost its output to compensate for the voltage drop, ensuring 14 Volts at the battery. The proper voltage forces more current into the battery bringing it to a full state of charge between vehicle stops.





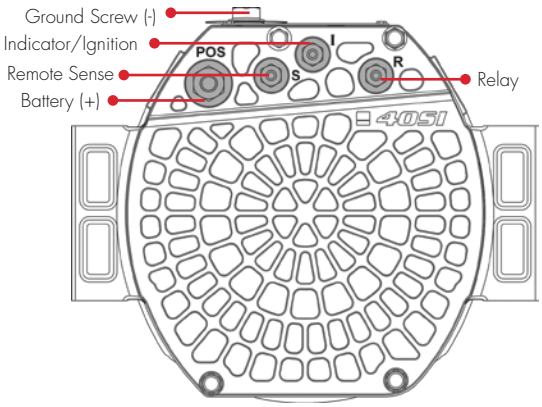
SPECIFICATIONS

Performance Output	12 Volts 240 Amps (160 Amps at idle) 12 Volts 275 Amps (180 Amps at idle) 12 Volts 300 Amps (190 Amps at idle) 12 Volts 320 Amps (190 Amps at idle)
Maximum Speed	8,000 RPM Continuous 10,000 RPM Intermittent
Rotation	Clockwise
Temperature Rating	240 & 275 Amp: 125°C/257°F 300 & 320 Amp: 115°C/239°F
Mounting	J180 Short Hinge Mount J180 Long Hinge Mount Pad Mount
Efficiency	72%
Weight	31 lbs/14.1 kg

40SI™

Raising the bar for high output alternators

INSTALLATION



NOTE:
When the Remote Sense terminal is not connected, the alternater operates and regulates voltage normally.

Tech Support 800-372-0222

If you need assistance with part number identification or electrical system troubleshooting, we're here to help.

Part numbers *fast* at delcoremy.com

COMPETITIVE INTERCHANGE DATA

Mounting	Delco Remy 40SI		Leece-Neville		
	Part #	Output (Amps)	Part #	Sales #	Output (Amps)
Pad	8600338	240	BLP2332GH	BLP2332GH	185
			BLP2334GH	BLP2334GH	
			A0014940PA	4940PA	200
			A0014948PA	4948PA	
			A00149551PGH	4951PGH	
			A0014958PA	4958PA	220
			A0014959PA	4959PA	
	8600094	275	A0014942PA	4942PA	270
			A0014944PA	4944PA	
			A0014947PA	4947PA	
			A0014949PA	4949PA	
			A00114949GH	4949GH	
			A0014975PAA	4975PAA	
	8600298	300			
	8600628	320	A0014962PA	4962PA	320
			A0014962PAH	4962PAH	
			A0014966PAA	4966PAA	
J180 Long Hinge	8600390	240	A0014850AA	4850AA	200
			A0014860AA	4860AA	
			A0014860JB	4860JB	
			A0014861JB	4861JB	
			A0014863JB	4863JB	
			A0014868JGH	4868JGH	
			A0014884JB	4884JB	
			A0014885JB	4885JB	220
			A0014887JB	4887JB	
			A0014852AA	4852AA	240
			A0014869JB	4869JB	245
			A0014873JB	4873JB	
			A00114854AA	4854AA	250
	8600280	275	A0014856AA	4856AA	270
			A0014867JB	4867JB	
			A0014867JGH	4867JGH	
			A0014870AA	4870AA	
			A0014870JB	4870JB	
			A0014871JB	4871JB	
			A0014872AA	4872AA	
			A0014872JB	4872JB	
	8600300	300			
	8600634	320	A0014890AA	4890AA	320
			A0014890JB	4860JB	
			A0014892AA	4892AA	
J180 Short Hinge	8600339	240			
	8600279	275			
	8600299	300			

Remy International, Inc.
600 Corporation Drive
Pendleton, IN 46064 USA
For Technical Assistance call 1-800-372-0222

delcoremy.com

Delco Remy is a registered trademark of General Motors Corporation licensed to Remy International, Inc., Pendleton, IN 46064 | C11129 | 12-14