

3651™

HEAVY DUTY BRUSHLESS ALTERNATOR
Performance Output: 170 Amps



3651™

**Brushless design for longer life
& reliable performance**

Delco Remy Heavy Duty Brushless

Alternators have fewer moving parts. Fewer moving parts mean less wear on the alternator.

What you end up with is longer life, not to mention the best warranty in the industry to back it up.



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 70%.

FUEL SAVINGS				
Vehicle Type & Miles Driven	Average Current	Fuel Cost with a 60% Efficient Alternator	Fuel Cost with a 70% Efficient Alternator	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

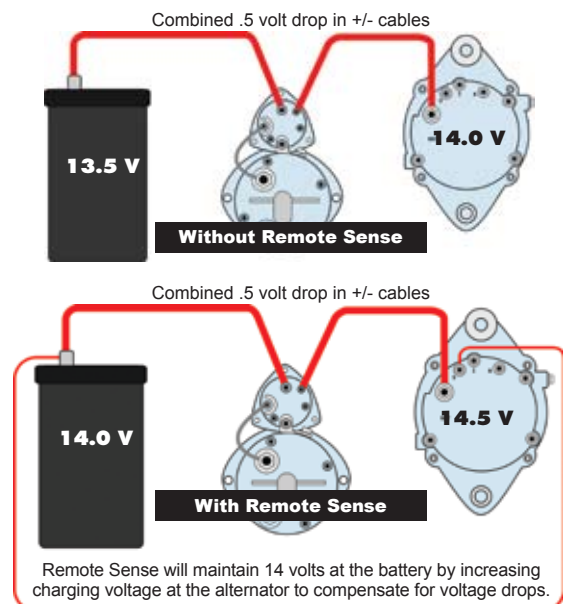
Based on diesel fuel at \$4/gal

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 and 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.



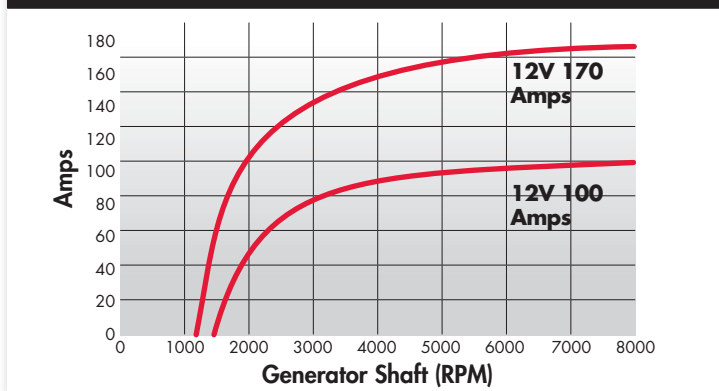
SIDE-BY-SIDE COMPARISON

Characteristic	Delco Remy 36SI	Denso 130A
Weight	12.3 kg	10.2 kg
Length	263 mm	216 mm
Diameter	171 mm	156 mm
Brushless	Yes	Yes
Remote Sense	Yes	No
Output @ 2000 rpm	97 Amp	85 Amp
Output @ 6000 rpm	170 Amp	137 Amp
Peak Efficiency	68%	59%
J180 Hinge Mount	Yes	Yes
J180 Quad Mount	Yes	No
Pad Mount	Yes	Yes

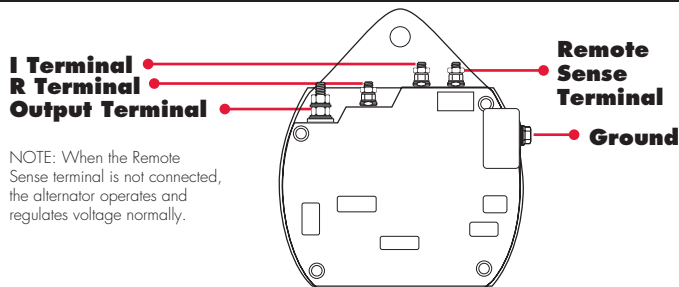
36SI SPECIFICATIONS

Performance Output	12 Volts 170 Amps (100 Amps at Idle) 24 Volts 100 Amps
Maximum Speed	10,000 RPM Continuous, 12,000 RPM Intermittent
Rotation	Clockwise or Counterclockwise
Temperature Limits	Low -40°C (-40°F) High 125°C (257°F)
Polarity	Negative Ground
Mounting	SAE J180 Standard, J180 Quad Mount, PAD Mount
Efficiency	68%
Weight	25.4 lbs (11.5 kg)

36SI 12-VOLT PERFORMANCE CURVES



36SI INSTALLATION INFORMATION



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

WARRANTY

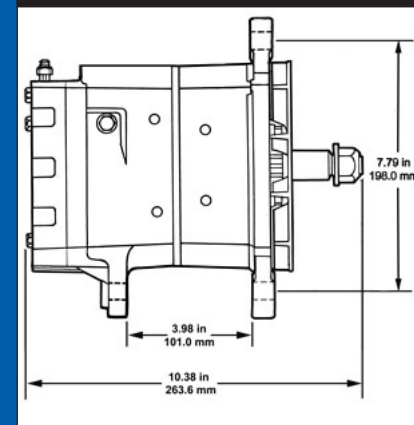
OE	3 Years / 350,000 Miles
Reman	2 Year / 250,000 Miles

Details can be found at delcoremy.com

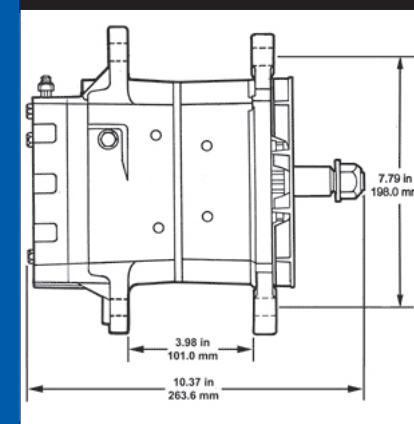
MOUNTING STYLES

The 36SI is available in three different mounting configurations: a J180 hinge mount, a J180 quad mount and a pad mount. The images above provide the critical dimensions for each mounting style. The photos below will aid in core identification.

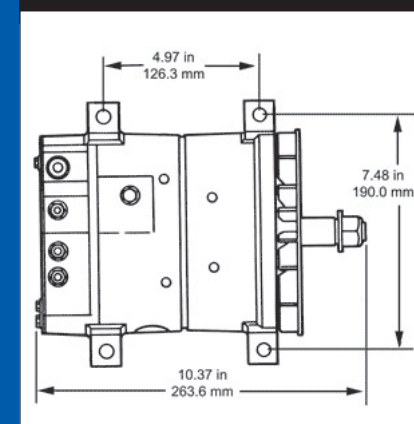
J180 HINGE MOUNT



J180 QUAD MOUNT



PAD MOUNT



PAD MOUNT Distance between bolt-hole centers 8.50 in (216.0 mm)

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

Competitive Comparison / Cross Reference

AFTERMARKET UPGRADE/REPLACEMENT STRATEGY									
	35SI OE / New Svc	35SI Reman	36SI OE / New Svc	36SI Reman	36SI HP New Svc	36SI HP Reman	PACCAR	Leece Neville	Denso
J180 HINGE MOUNT UPGRADE	19011227	8700023	8600082	8700041	8600126	8700046	D27-6001-0130J	110-800	101211-8050
	19011228	10459606	8600072					110-801	101211-8060
	19011229	10459609	8600197					110-802	101211-8120
	19011231	8700024						110-803	
	19011232	8700000						110-804	
	19011233	-						BLD2301	
	19011248	8700026						BLD2302	
	19011260	10459612						BLD2305	
	19011263	8700028						BLD2307	
	19011264	8700005						BLD2308	
	8600064	8700016							
J180 QUAD MOUNT UPGRADE	19011234	10459607	8600071		8600125	8700045			
	19011244	10459610							
	19011246	8700025							
	19011247	-							
	19011249	8700027							
	19011255	8700003							
	19011261	10459613							
	19011265	8700029							
	19011266	8700006							
	8600065	8700017							
PAD MOUNT UPGRADE	19011252	10459608	8600015	8700039	8600127	8700047		110-810	101211-8380
	19011253	10459611	8600252	8700040			110-811	101211-8390	
	19011258	8700004	8600248	8700067			110-812		
	19011262	10459614	8600203				110-813		
	19011267	8700030	8600202				110-814		
	19011268	8700007	8600073				110-815		
	19011272	8700001	8600060				110-816		
	19011273	8700002					BLP2303		
	8600066	8700018					BLP2304		
							BLD2305		
							BLD2306		
							BLD2309		
							BLD2310		
							BLD2311		
				BLD2312					

Remy Inc. is a leading global manufacturer of Delco Remy brand heavy duty starters and alternators, light duty starters, and electric motor technology for EV and hybrid vehicles. A powerful legacy for over 100 years, today Remy International is engineering the future of the vehicle industry.



delcoremy.com

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