

SCHOOL BUS ALTERNATORS

2010 School Bus applications now require alternators with a recommended output of **240 Amps**



Our High Output alternators are now High Temperature rated for **125°C**



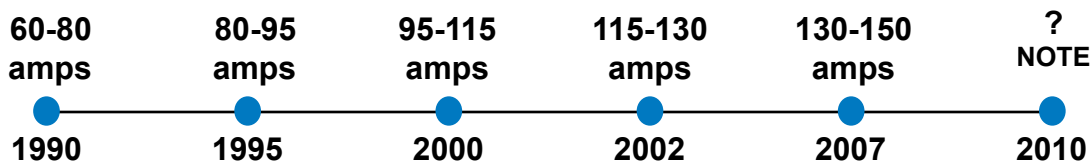
Q: WHY DO LATE MODEL VEHICLES NEED LARGER ALTERNATORS?

A: EMISSIONS and ADA

Requirements from both have increased the electrical demands on the vehicle since the year 2000.

New components needed to help control newly imposed emission standards have created significant additional electrical demands in 2010 engines. The underhood temperatures are also increasing, creating additional strain on the electrical system.

The Americans Disability Act (ADA) requires inside compartment temperatures to be tightly controlled, further increasing the electrical demands from additional A/C and heater systems.



NOTE: These are general vehicle amperage demands, some 2010 engines will have a significant amperage demand increase. Please refer to TSB-1025 or contact your Leece-Neville representative to determine your needs.

Q: WHY DO SCHOOL BUSES NEED SUCH LARGE ALTERNATORS?

A: IDLE TIME

The D.O.T. requires that a safety inspection, including all lights, be completed on every vehicle each day. During this time A/C's or heaters are usually turned on for student comfort or ADA requirements, most times with the engine idling. This requires a large amount of power from the alternator at a relatively low speed.

In order to achieve the output school buses require an alternator with large enough amperage to meet the demands of these electrical loads, as well as having the capacity to replenish the battery in a timely manner.



SCHOOL BUS ALTERNATORS

The Leece-Neville Advantage

Support

We have a world wide support team for our products, offering troubleshooting and training on the complete vehicle charging system.

Experience

We have proven experience in High Amp Applications, and supply our customers with products and techniques that have allowed us to be the major supplier of high amperage products for decades.

Cooler Operation

Our fan design offers more efficient air flow and cooler operation under high output load conditions.

High Output

185 Amp to 320 Amp output for all heavy duty school bus demands.

Increased Current Capacity

12 diode design.

More Versatility

Available in J180, Pad Mount and T-mount. Available soon in GM mount and Ford "V" mount for special needs mini buses.

Warranty

2 year unlimited mileage warranty on school bus applications.

APPLICATION	MINIMUM AMPERAGE	PART NUMBER	MOUNTING TYPE	POSITIVE TERM POSITION	REGULATOR EXCITATION
Base school bus minimum requirement 2007 and later engines Note 1	240	AV1160P2003	PAD		SELF EXCITE
		AV1160J2004	J-180		SELF EXCITE
School bus with one A/C prior to 2002	210	AV1160J2008	J-180		SELF EXCITE
		AV1160P2007	PAD		SELF EXCITE
School bus with one A/C 2007 & later Note 1	270	4949PA	PAD	LEFT	SELF EXCITE
School bus with two A/C 2007 & later Note 1	320	4962PA	PAD	LEFT	SELF EXCITE
Base school bus minimum requirement 2000-06 Note 2	185	4833LGH	J-180	RIGHT	SELF EXCITE
		4836LGH	J-180	LEFT	SELF EXCITE
		4939PGH	PAD	RIGHT	SELF EXCITE
		4943PGH	PAD	LEFT	SELF EXCITE
School bus with one A/C 2002-06	220	4959PA	PAD	LEFT	SELF EXCITE
		4958PA	PAD	RIGHT	IGN EXCITE
		4887JB	J-180	LEFT	SELF EXCITE
		4885JB	J-180	RIGHT	IGN EXCITE
School bus with two A/C 2002-06	270	4949PA	PAD	LEFT	SELF EXCITE
		4867JB	J-180	LEFT	SELF EXCITE
Base school bus minimum requirement prior to 2000	160	2800LC	J-180	RIGHT	SELF EXCITE
Many other models available					
Note 1- If the engine does not utilize grid heaters contact a technical rep for recommendation					
Note 2- LN recommends the 185 amp due to the high output at idle					
All models can be remotely regulated and some can be remotely rectified as well.					



Call your Leece-Neville
Representative today!

