

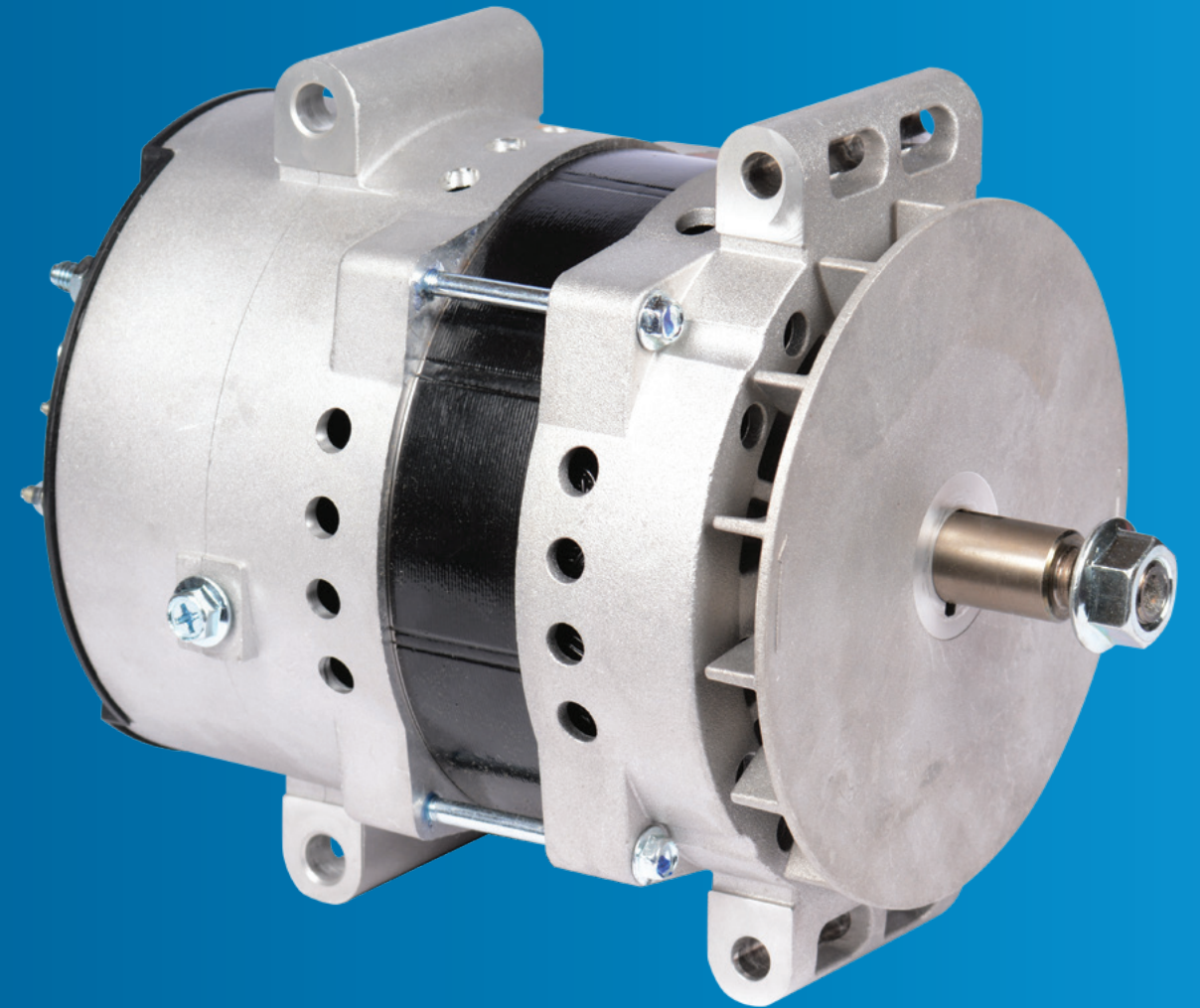
# Long Haul High Output Alternator

## AL9964SB

### Trusted Bosch Quality

Bosch has been a major supplier of new Alternators and Starters to OE vehicle Manufacturers since 1913. Recognized worldwide as a leader in innovative automotive and heavy duty technology, Bosch takes pride in its quality reputation and works continuously to advance its standards of excellence. All Bosch Long Haul Alternators are built to stringent precision and performance specifications and are 100% factory tested to ensure superior reliability and performance over the long haul.

Feature	Benefit
210 AMP output at Engine idle	Increased battery life
OE Bosch Long Haul Voltage Regulator Design	Best in Class performance
Rectifier with OE Bosch Diodes	Longer life
3 yr. 350,00 mile Warranty	OE industry standard
Remote Battery Sense	Maximum state of battery charge
Lower Turn on speed	Faster charging
OE and One wire hookup	Easy installation
Temperature Protection	Protects the alternator electronics against short but extreme temperature spikes. This prevents premature failure by providing current while reducing voltage to cool the electronic components.
125°C / 257°F Max temperature rating	12% higher rating than competitive units



**BOSCH**

Invented for life

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### Bosch AL9964SB Long Haul Alternator

Bosch Long Haul Alternators are revolutionizing the Commercial Vehicle industry with high output technology that delivers maximum charging power. With 275 amps Max output, and an amazing 210 amps at engine idle, this alternator stands up under all operating conditions

### 3-Year Warranty

Bosch backs the AL9964SB with a 36 month 350,000 mile warranty!

### Battery Sense

Signals alternator to increase output to battery. Compensates for voltage drops, ensures maximum state of charge of battery.

### Advanced Performance Technology

The Bosch AL9964SB represents the next generation of commercial vehicle charging technology, delivering more

power and greater output at engine idle than competitive alternators. Bosch's 210 amp charge rate at idle helps maximize battery life by reducing battery deep cycling.

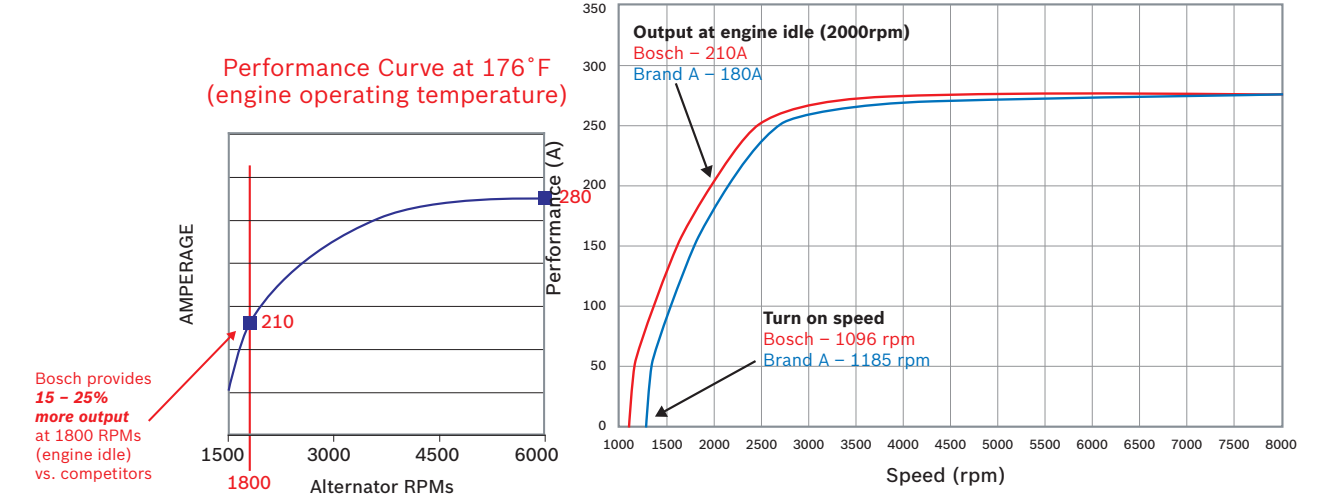
### Built For the Long Haul

It's all about keeping commercial vehicles on the road. When they're not rolling, time and money are lost. The increased electrical loads placed on commercial vehicles, demand power and lots of it. That's why you should always choose Bosch Long Haul products.

### Temperature Protection

Protects the alternator electronics against short but extreme temperature spikes. This prevents premature failure by providing current while reducing voltage to cool the electronic components.

Competitor	Bosch Long Haul
275 Amps / 240	275 Amps
180 Amps / 160	210 Amps at idle



Competitor Number	Unit type / AMPS	Mounting type	Bosch part no	Bosch AMPS
<b>Blue Bird Bus Corp.</b>				
00103211	270A	pad mount	AL9964SB	275 Amps
<b>Delco Remy</b>				
8600094	275A	pad mount	AL9964SB	275 Amps
8600338	240A	pad mount	AL9964SB	275 Amps
<b>Lester</b>				
8327	270A	pad mount	AL9964SB	275 Amps
8681	270A	pad mount	AL9964SB	275 Amps
8682	270A	pad mount	AL9964SB	275 Amps
<b>Navistar (International Truck)</b>				
3560681C91	270A	pad mount	AL9964SB	275 Amps
3571135C91	270A	pad mount	AL9964SB	275 Amps
<b>Prestolite (Leece-Neville)</b>				
4942PA	270A	pad mount	AL9964SB	275 Amps
4944PA	270A	pad mount	AL9964SB	275 Amps
4947PA	270A	pad mount	AL9964SB	275 Amps
4949PA	270A	pad mount	AL9964SB	275 Amps
4958PA	220A	pad mount	AL9964SB	275 Amps
4959PA	220A	pad mount	AL9964SB	275 Amps
4975PAA	270A	pad mount	AL9964SB	275 Amps
A0014942PA	270A	pad mount	AL9964SB	275 Amps
A0014944PA	270A	pad mount	AL9964SB	275 Amps
A0014947PA	270A	pad mount	AL9964SB	275 Amps
A0014947PAH	270A	pad mount	AL9964SB	275 Amps
A0014949PA	270A	pad mount	AL9964SB	275 Amps
A0014949PAH	270A	pad mount	AL9964SB	275 Amps
A0014949PGH	270A	pad mount	AL9964SB	275 Amps
A0014958PA	220A	pad mount	AL9964SB	275 Amps
A0014959PA	220A	pad mount	AL9964SB	275 Amps
A0014975PAA	270A	pad mount	AL9964SB	275 Amps
AVI160P2003	240A	pad mount	AL9964SB	275 Amps
<b>Thomas Built Busses</b>				
612103082	270A	pad mount	AL9964SB	275 Amps

School Bus Applications	Bosch	Bosch Amps	Mount Type	Remy Part	AMPS	Leece Neville	AMPS
Bus with factory AC or an electromagnetic brake retarder after 2002	AL9964SB	275	Pad	8600338	240	4959PA, 4958PA	220
Bus with factory AC and additional add on AC OR bus with factory AC and an electromagnetic brake retarder	AL9964SB	275	Pad	8600094	275	4949PA	275

**Rectifier**, utilizes Bosch OE press-in design diodes that are industry leading for vibration and heat resistance.

**Advanced Temperature-Resistant Electronics**, including an integrated circuit regulator and high amp rectifier. Diodes are designed and manufactured by Bosch to meet the needs of the most demanding commercial applications.

