

24SI HP™

**Heavy Duty Alternator
New Service Aftermarket Program
Maximum Performance - 160 Amps
Maximum Cooling Technology**



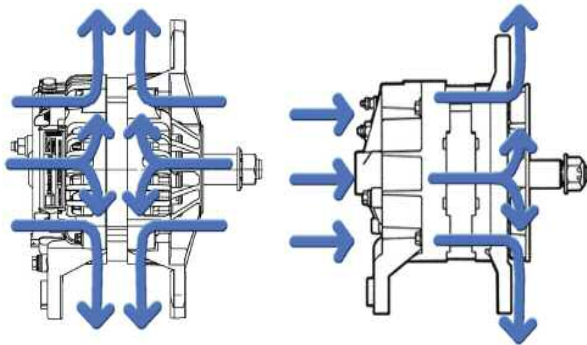
24SI HP Heavy Duty Alternator

Cool New Standard For the Aftermarket

For many years, the Delco Remy '310 has been recognized as the standard for brush-style alternators in the heavy duty aftermarket. Now, we are proud to introduce the 24SI, an updated replacement for the '310 with a host of new advanced engineering features. Leading the list is a new Maximum Cooling Technology™ that's specially designed for today's higher under-hood temperatures.

Maximum Cooling Technology™

The 24SI HP 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.



**24SI HP
Dual Internal Fan
Technology**

**Conventional
External Single Fan
Technology**

The diagram above demonstrates how the new 24SI HP 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.

Contrast that with the conventional design at the right. With a single, external fan, air is drawn in from the terminal end and passes through the length of the alternator to exit

through the fan. The higher operating temperature reduces the unit's efficiency and durability.

Maximum Performance

The 24SI HP has been designed to cope with the ever increasing electrical loads on today's trucks and school busses. It produces 160 Amps of output at road speeds, and an industry leading 100 Amps at low engine idle speeds.



(Note how the 24SI stacks up against the competition on the facing page.) And of course, efficiency of operation always translates into fuel savings.

Competitive Features

The 24SI HP enjoys the following significant design advantages over the Leece Neville 110-555 model alternator:

- Dual Internal Fan cooling
- Greater output at low RPM
- Smaller in size and weight
- Greater efficiency for fuel savings
- OE Approved. Over 450,000 24SI HP alternators have been installed as original equipment. The 110-555 is not currently spec'd as original equipment.

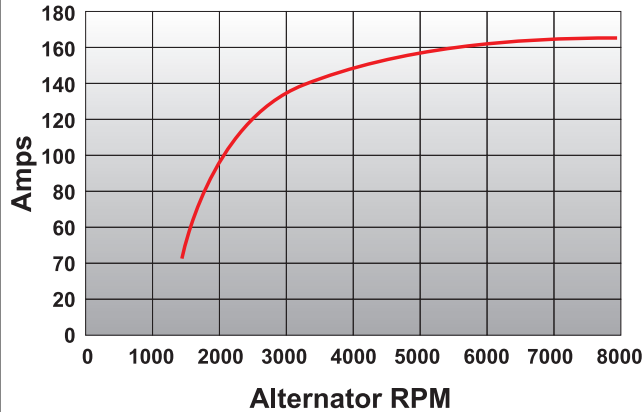
The 24SI HP enjoys a significant advantage over the Bosch LH due to its durable design. It was designed to meet the requirements of the demanding US and Canadian truck market.

- Larger bearing with a slinger for contamination protection.
- Larger rotor shaft
- Greater output at low RPM

Specifications

24SI HP 12-Volt Performance Curves







24SI HP Charging Performance



Delco Remy 24SI HP Alternator

Performance Output:	12 Volts 160 Amps (100 Amps at idle)
Maximum Speed:	10,000 RPM Continuous 12,000 RPM Intermittent
Rotation:	Clockwise
Temperature Limits:	Low: -40°C (-40°F) High: 105°C (221°F)
Polarity:	Negative Ground
Mounting:	J180 Hinge Mount Pad Mount
Weight:	7.7 kg (16.2 lbs)

Upgrade from Competitive Alternators

 LN 110-555JHO		 New Service - No Core 24SI 8600310
 LN 110-555PHO		 New Service - No Core 24SI 8600889

Competitive Comparison

	Delco Remy 24SI HP	Leece Neville 110-555	Bosch AI9960LH
Rated Output Voltage	14.0	13.8	14.0
Output @ 1800 rpm	88 Amps	79 Amps	72 Amps
Output @ 6500 rpm	164 Amps	157 Amps	166 Amps
Overall Diameter	150.0 mm	170.1 mm	147.2 mm
Length	213.7 mm	222.5 mm	206.5 mm
Total Mass/Weight	7.7 kg	8.7 kg	6.9 kg
Fan for Cooling	Dual Internal Fan	External Single Fan	Dual Internal Fan
Peak Efficiency	61.6	59.6	66.1
DE Bearing	62 mm	62 mm	52 mm
Bearing Protection	Slinger Protection	Unprotected	Unprotected
Rotor Shaft	25 mm	25mm	17 mm

Delco Remy Warranty

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

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