

## Alternator

### Superior Power Output for Heavy-Duty Vehicles At Any Speed.

Keeping your trucks on the road and making money is more important than ever in today's competitive environment. That's why Leece-Neville alternators are the preferred choice. Leece-Neville alternators were designed to provide reliable power year-in and year-out, whether your truck is running at full speed or idling.

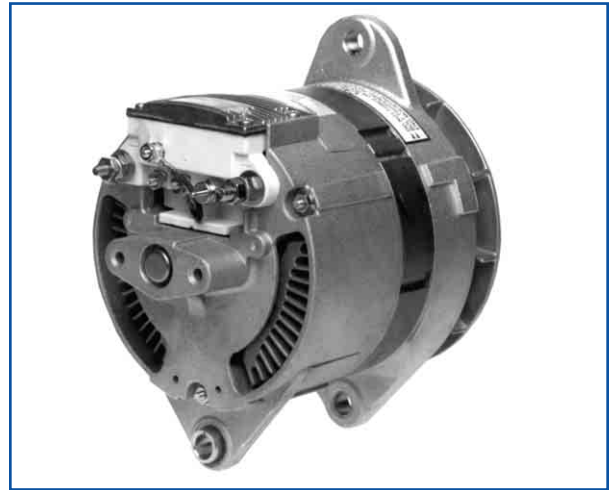
## Features & Benefits

Leece-Neville alternators are specifically designed for high output performance in heavy duty applications. This Leece-Neville series also provides far better low-speed performance than the competition...an important safeguard in situations where frequent operation at engine idle is encountered. Features include:

- **Longer, larger brushes.**  
Longer, larger brushes for up to 40% longer life. Also, the brushes and slip-ring assembly are in a sealed compartment to keep grit, salt and moisture out to assure long life.
- **Heavy construction reduces stress and heat for longer life.**  
We use more copper and iron in our rotor coil assembly which allows us to get high power output without over stressing or overheating alternator components. Leece-Neville alternators deliver their rated output with low engine speed. Some competitive alternators have to run up to 50% faster and hotter to achieve the same power level as a Leece-Neville alternator.
- **Lower cut-in and turn-on speeds.**  
Many applications require significant power from the electrical system even at engine idle. Leece-Neville High-Output Series alternators are designed to produce considerable power, even at engine idle – up to 50% more power than competitive alternators. In fact, many competitive alternators never reach turn-on speed during idle and therefore fail to charge the batteries. This can result in deep cycling and premature failure of batteries. Weak batteries, in turn, can contribute to starter burn-up. You can avoid these problems by specifying Leece-Neville, lower cut-in, high-output alternators.
- **Larger rear bearing.**  
The length of the rear bearing has been extended on all LC models to accommodate the increased belt loads of current day HD vehicles. Grease seals and high temperature grease have also been added for extended bearing life.
- **New regulator.**  
Regulator technology has been upgraded reducing standby current and eliminating the diode trio.

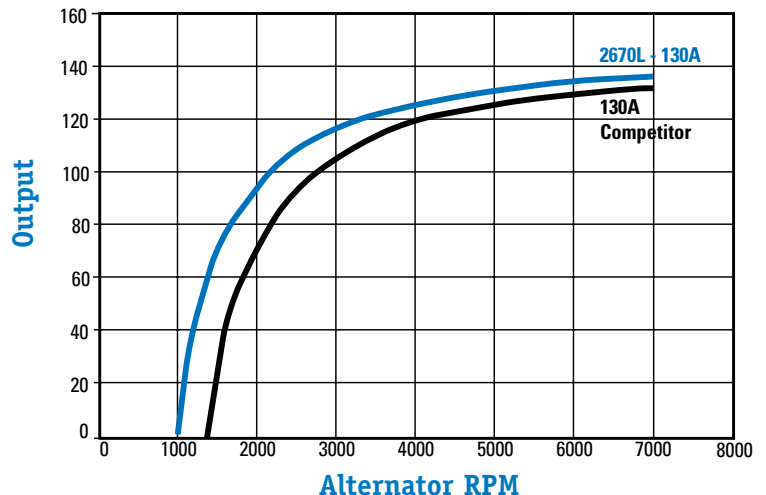
## 2500LC to 2800LC

14 Volt/105-160 Amps  
J-180 Dual Foot Mount



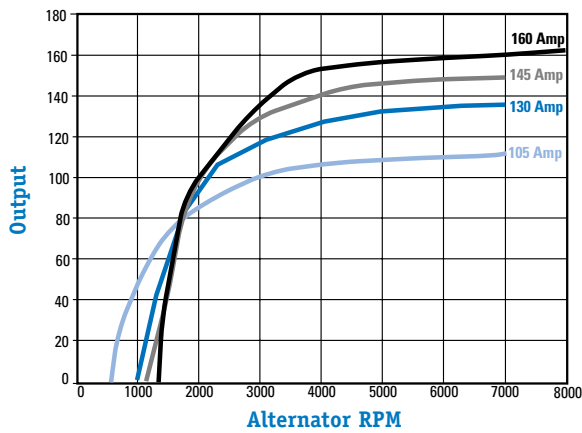
## Typical Comparison

As illustrated in the graph below, Leece-Neville models begin to provide significant current even while your engine idles. The graph compares the 130-amp Leece-Neville 2670L with popular competitive 130-amp alternators. The heavy construction of Leece-Neville alternators allows them to run significantly cooler to reduce heat-related stress on winding, bearings and other internal components.



Maximum Continuous Speed - 8000 rpm  
Stabilized Output @ 24°C

## Performance Curve

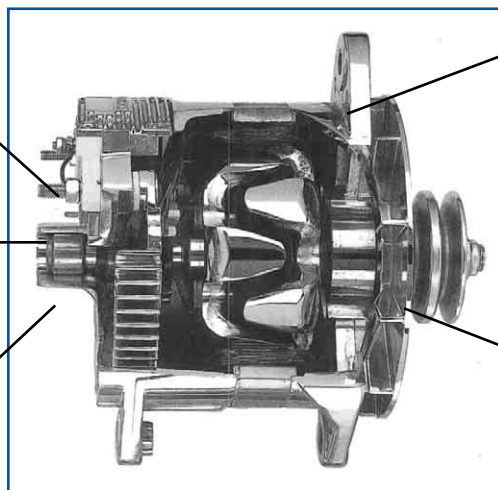


Maximum Continuous Speed - 8000 rpm  
Stabilized Output @ 24°C

## Specifications

Dual Foot J-180 Mount	Model No. Sales No.	A0012500LC 2500LC	A0012670LC 2670LC	A0012805LC 2805LC	A0012800LC 2800LC	A0012824LC 2824LC	A0012825LC 2825LC
Output, Stabilized:	5000 RPM 1800 RPM	105 80	130 83	145 80	160 70	160 70	160 70
Operating Temperature		-40C to 93C	-40C to 93C	-40C to 93C	-40C to 93C	-40C to 93C	-40C to 93C
Rotation Direction		Bi-Dir	Bi-Dir	Bi-Dir	Bi-Dir	Bi-Dir	Bi-Dir
Max. Continuous RPM		8000	8000	8000	8000	8000	8000
Excitation Type		Self	Self	Self	Self	Remote	Remote
Ground		Isolated	Isolated	Isolated	Isolated	Case	Isolated
Regulator Service No.		102200	102200	102200	102200	100650	100650
Weight Lbs.		23	23	24	24	24	24
Terminal Sizes:	B+ B- AC	5/16-18 1/4-20 YES	5/16-18 1/4-20 YES	5/16-18 5/16-18 YES	5/16-18 5/16-18 YES	5/16-18 5/16-18 IGN.	5/16-18 5/16-18 IGN.
Notes:							

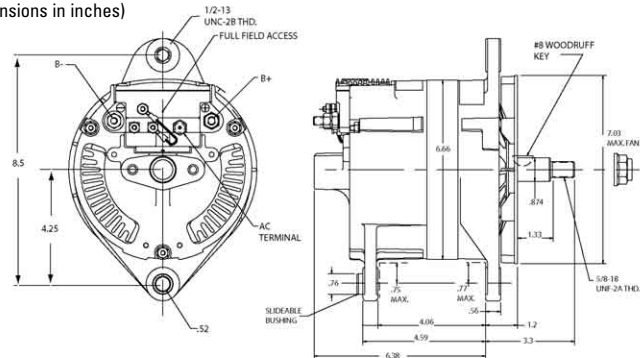
- Longer, larger brushes with a cross-sectional area of .073 square inches - nearly three times the area of the leading competitor's. As a result, you get up to 40% more brush material in Leece-Neville alternators.
- Extended length rear bearing with high temperature grease increases life of alternator and improves load carrying capability.
- Brush/slip-ring chamber is sealed to keep out dust and dirt for longer brush and slip-ring life.



- Heavy-duty copper stator windings for higher output and cooler operation at lower RPM's. The Leece-Neville Model 2500LC can produce 105 amps at 3000 RPM while the competition's alternator must run at 5000 RPM to achieve the same output. Slower operation increases component life.
- Larger bearing width than many competitors. Leece-Neville uses a full 1-inch wide load bearing. Larger bearings and lower speeds add up to a longer alternator life.

## Dimensions

(dimensions in inches)



## Other Products

Leece-Neville offers many other units in this frame size. Units for use with battery isolators are available as well as alternators for 24 volt and 36 volt systems.

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