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JULY 2019

Delco Remy® 55SI™ Ideal for Transit Applications

Today's mega and charter buses and other commercial transit applications are outfitted with door operation, lighting, AC and other electrical-based amenities. While these ensure a comfortable user experience, they also put a demand on the system and require an alternator that's up to the job—and the **Delco Remy 55SI™ High Output Heavy Duty Brushless Alternator** is the perfect solution.



This top performer has been used on specialty vehicles for years—oil rigs, utility trucks, vocational vehicles—and has proven that it can withstand dust, dirt, clay and other debris. Originally geared toward off-road applications, the air-cooled 55SI has been improved to better survive the difficult, corrosive environment encountered in transit applications where durability and high-output are essential.

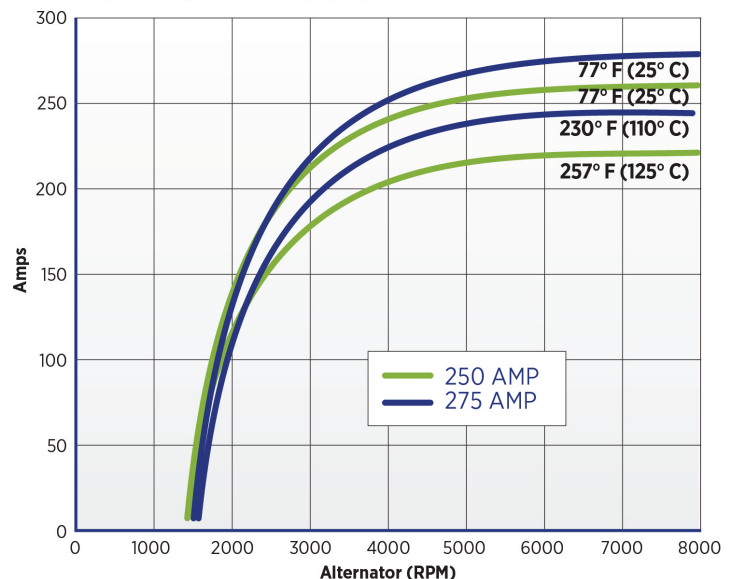
Even more, its size, weight and flexibility offer added advantages.

"Traditionally, transit applications have used alternators that are so heavy they require a mechanical lift to install. Plus, they take

up a lot of space and are limited on where they can be installed," explains Rob Steele, Senior Staff Engineer, Alternators. "The 55SI—which I like to refer to as the big brother to our popular 40SI™—is smaller and more lightweight than what's traditionally been used in this power range. This allows it to be installed by one person. Additionally, it can be used in a single or dual alternator application."

And have we mentioned its power?

24V POWER CURVES



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Tech Tip: Converting to DuroSpeed™ K32 Fan Drive

The DuroSpeed K32 Fan Drive is becoming the go-to fan drive for vocational and off-highway truck applications. Designed for harsh vocational applications, DuroSpeed provides reliable performance by having a higher disengaged speed to satisfy cooling demands.

“The big difference between the DuroSpeed and our on/off clutch is the fan cycling,” says Jim Benson, Commercial Vehicle Technical Manager.

In severe-duty applications, he says, on/off fan drives are continually engaging and disengaging, causing engine coolant temperatures to rapidly fluctuate. During stationary operation, for example, it is often the HVAC system demanding a slight amount of airflow to keep cabin temperatures cooler. Yet, the only way an on/off clutch can provide more airflow is to fully lock-up—and this promotes overcooling of the engine temperature, which leads to fan clutch cycling. Benson says the result is more noise, clogged radiators and greater wear-and-tear on the clutch liner and belt drive system.

But DuroSpeed is designed with a higher disengaged fan speed to satisfy those HVAC demands, and

therefore prevent engine coolant temperatures from cycling unnecessarily.

“Because the DuroSpeed fan drive engages and disengages less often, there are many benefits including longer clutch liner life, less noise, minimal dust buildup in the radiator and more available horsepower,” Benson says.

“And, together, all this allows the vehicle to achieve the higher work output that is necessary for vocational and off-highway truck applications.”

“Because the DuroSpeed fan drive engages and disengages less often, there are many benefits.”

- Jim Benson,
Commercial Vehicle
Technical Manager

Modular Design

Thanks to DuroSpeed’s modular design and the BorgWarner conversion kit, you can easily convert any BorgWarner K30 or K32 on/off fan drive to a K32 DuroSpeed fan drive. The conversion process requires just a few new parts, which are included

in the kit, and can be done without removing the belt from the clutch hub. It’s quick, easy and inexpensive to do.

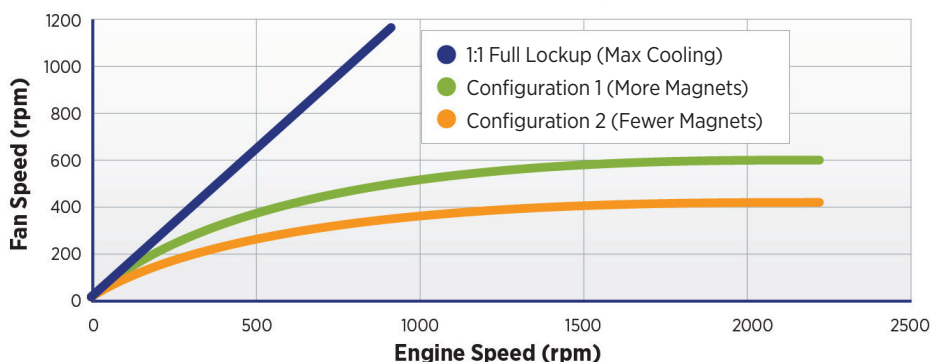


BENEFITS OF DUROSPEED FAN DRIVE

- Innovative flux ring design cools the drive assembly, significantly extending bearing and liner life
- FailSafe™ design: spring engaged, air disengaged
- No spinning air connections to wear, inspect or service
- Trusted Powerwedge™ technology
- Increased dynamic torque capacity, thanks to unique engagement system design
- Easy flux ring removal prevents overcooling in winter months
- 4.4-8.8 pounds less and 11 fewer components than comparable units
- 1 year unlimited miles warranty

K32 DUROSPEED FAN DRIVE PERFORMANCE

Idle speed tailored to suit application



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Tech Tip: Converting to DuroSpeed™ K32 Fan Drive (continued from page 2)



Watch this video to learn how to convert an on/off fan drive to a DuroSpeed fan drive on the BorgWarner YouTube channel at <https://bit.ly/2JNkj0v>

Delco Remy 55SI™ Ideal for Transit Applications (continued from page 1)

As a brushless heavy duty alternator, the 55SI is one of the highest output air-cooled machines on the market. This power has made it ideal for fire truck applications as well. Available in both 12-volt/430 amp and 24-volt/250 and 275 amp models, it has 33% more output than any other alternator in its class—making it the perfect solution for applications with significant electrical loads.



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To learn more about the 55SI, visit delcoremy.com.

MORE BENEFITS OF THE 55SI

- **Durable:** With a brushless design, the 55SI has fewer moving parts. Fewer moving parts mean less wear and longer life.
- **Smart:** The 55SI is equipped with Remote Sense, which can reduce battery charge time by 50%.
- **Efficient:** Its high-efficiency output translates to less engine horsepower requirements, resulting in substantial fuel savings.
- **Warranty:** 3-year/unlimited miles (Applicable to North America only)

Three New Part Numbers Added to the 39MT™ Model Family

We continue to improve and expand our offerings to make your job easier. Now, there are three new part numbers available for the Delco Remy 39MT Heavy Duty Gear Reduction Starter. The new part numbers are:

61008898: This is a direct replacement for a part number that is no longer manufactured and includes enhancements to the original design.

61002714: This is a direct result of customer requests to expand our reman inventory. This part number is the reman version of 61008898.

61002699: Another addition to our growing reman offering, this part number is the reman version of an existing part number that can be used for both Volvo and Mack.

Application	New Service	Comments	Reman	Comments
Freightliner, DD 13/15/16 2015 and older	8200434	No change	8300084	No change
Freightliner, DD 13/15/16 2016 and newer	61008898	Replaces 61000704	61002714	New offering
Volvo, D13	8201100	No change	61002699	New offering
Mack, MP8	8201100	No change	61002699	New offering
New part numbers in red				

These new part numbers ensure we have what you need to support these high-volume applications. The reman versions give you a cost-effective alternative that doesn't compromise on OE quality.

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Stay connected to what's happening with Delco Remy genuine starters and alternators on the BorgWarner social media pages.



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Adam Peavler and his three children enjoyed this year's MidAmerica Truck Show. Adam works at BorgWarner as an aftermarket product manager, supporting the Delco Remy branded starters and alternators.