



24SI Heavy-Duty Alternator

The Cool Choice for Today's Trucks!

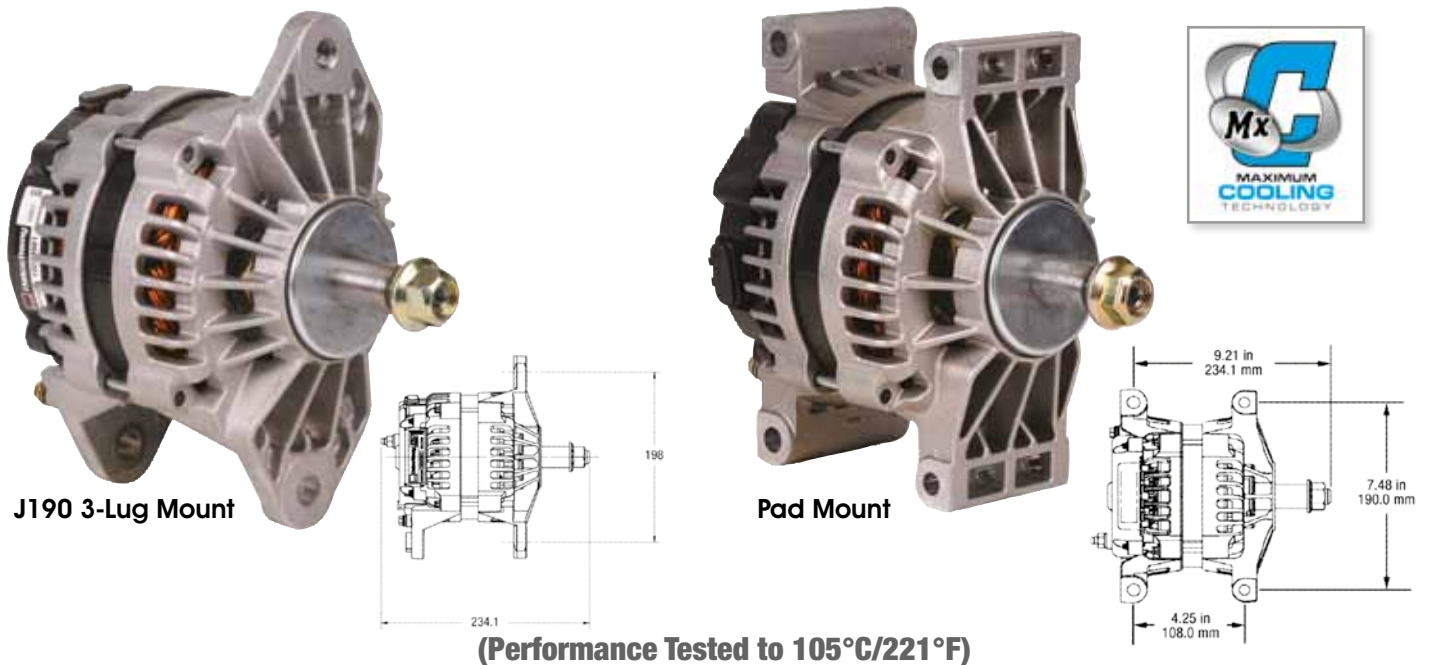
Engineered for High-Temperature Environments

Dual Internal Fans for High-Temperature Environments

High heat environments adversely affect alternator performance and life. The new EPA compliant emissions standard engines produce higher under-hood temperatures than pre-2002 engines. Delco Remy 24SI brush alternators are designed to handle under-hood temperature applications up to 105°C/221°F.

Optimal Brush Life by Design

The 24SI alternator features Dual Internal Fans coupled with front and rear air vents to provide controlled internal airflow, keeping brushes cooler. The brushes also feature a shielded design that protects against road contaminants. Heavy-duty Viton sealed bearings provide high heat tolerance and protect the bearings from brush dust and the environment. These features result in optimised brush performance and extended life.



Features & Benefits

- Dual Internal Fans create cool environment for bearings and electronics
- Built-in protection from water and other contaminants with dual spacers and slingers
- Multi-function regulator with an environmentally sealed packard connector features auto-start and optional remote sense capability
- Smaller slip rings with higher resistance to brush bounce extend service life
- SRE cover protects electronics while managing airflow
- Easy installation with one wire connection
- Advanced "Avalanche" design, press-fit diodes provide long-life protection from contaminants and electrical system spikes

Output (1800/600 rpm)

12V: 100 amps
12V: 130 amps
12V: 145 amps
12V: 160 amps
24V: 70 amps

Construction

Brush
Stator Diameter 144mm
Length (to end of shaft) 223mm
Weight 7.6 kg

DE Bearing Size

62mm
Speed Capability
Continuous: 10,000 rpm
Intermittent: 12,000 rpm

Inlet Temp. Limits

Low: -40°C
High: 105°C

Polarity
Negative Ground
Rotation
Clockwise

Maximum Cooling Technology™

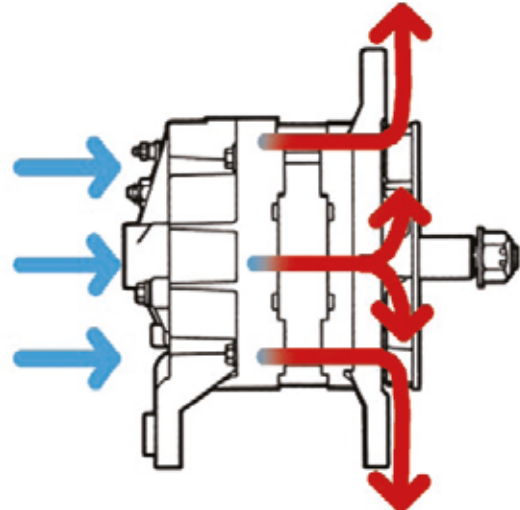
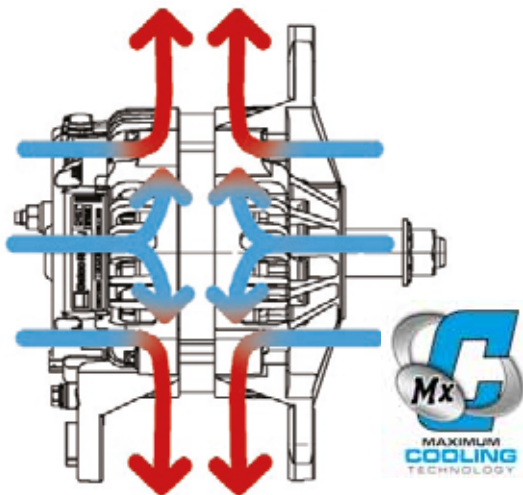
- Higher reliability for extended life
- Highly resistant to debris, keeping electronics and brushes cool



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Examining the MxC Technology Advantage



MxC Air Flow

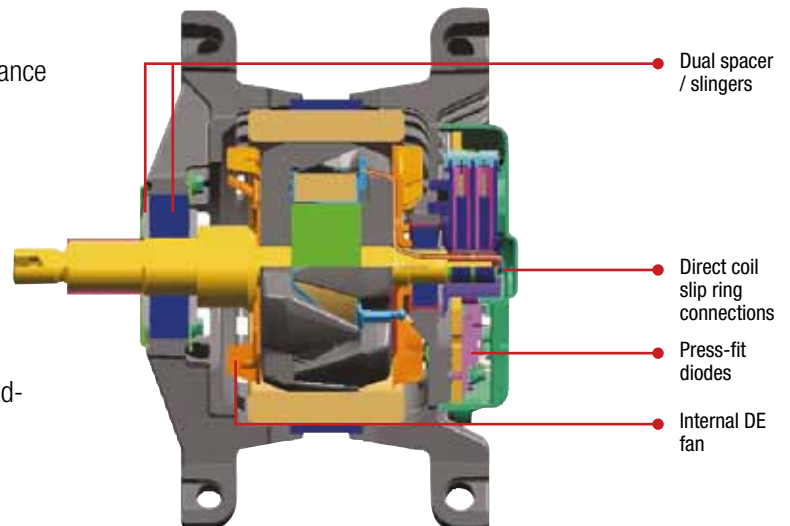
Draws air from drive end and terminal end over electronics and internal components and out frame air vents for cooler internal alternator temperature.

Conventional External Fan Alternator

Draws air from terminal end toward the external fan. Hotter internal alternator temperature.

Additional design advantages that help maximize the performance and durability of the 24SI:

- **Dual spacer/slinger** arrangement that protects the bearing seal from water and other contaminants
- **Internal DE bearing fan** to keep the bearing cooler for extended service life
- **Direct coil-to-slip ring connections** that eliminate potential failure points
- **Press-fit diodes that resist** corrosion and provide load-dump protection while ensuring longer life



The Delco Remy heavy-duty alternator with Maximum Cooling Technology (MxC) features dual internal fans that create high-volume air flow through the unit's terminal and drive ends. This increased, targeted air flow reduces stress on key internal components – including diodes, bearings and brushes – for higher current output and longer service life.

Part Number	OE Number	Volts	Amps	Mount	Application
T021103623	8600017	24V	70A	J180 Hinge	-
T021103621	8600142	12V	160A	J180 Hinge	Cummins
T021103687	8600889	12V	160A	PAD	-
T021103683	8600310	12V	160A	J180 Hinge	-
T021103649DR (Genuine Delco Reman)	8700008	12V	145A	PAD	-

This may not be a stock item. Please speak to your sales representative about lead times. Lead times, price and availability can only be determined on receipt of an official quote from our supplier. This can sometimes take up to 3 days

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