

PRODUCT FEATURES

- **UNIQUE DUAL ROTOR BRUSHLESS CONSTRUCTION**

Extends the service life and increases durability by eliminating: Brushes, Slip Rings and the Rotating Winding.

- **AIR COOLED**

Air Cooled means eliminating oil lines, potential engine oil contamination and hazardous oil leaks.

- **CLEAN AIR DESIGN**

Engineered for superior reliability, designed to allow clean air to flow directly into the alternator. It is supplied with a "Maintenance Free" rear mounted air precleaner, making the 300 SERIES alternators a simple drop-in and a perfect "Debris Free" installation for all cradle mount applications without the need of additional hoses for ducting clean air supply.

- **HIGH OUTPUT**

Capable of producing 244 Amps @ 2000 rpm or more than 68% of its rated power at engine idle makes this an efficient alternator capable of handling the high electrical load demands at low alternator (rotor) RPM.

- **HIGH EFFICIENCY**

Means less engine power required for the electrical load, directly resulting in less fuel consumption.

- **LONG LIFE BEARINGS**

The 300 Series features two 40mm High-Temperature front ball bearings, capable of withstanding extreme belt loads and temperatures imposed by today's severe applications.

AVAILABLE MODELS:

- 24V- 330, 360 Amps, Negative or Insulated Systems.

APPLICATIONS:

Transit Buses
Motor Coaches

The DelStar Series alternators are an integral charging system of an innovative brushless design. The compact, heavy duty construction, provides increased service life expected to match the longer maintenance intervals of today's engines, while providing a performance level without parallel.

designed for

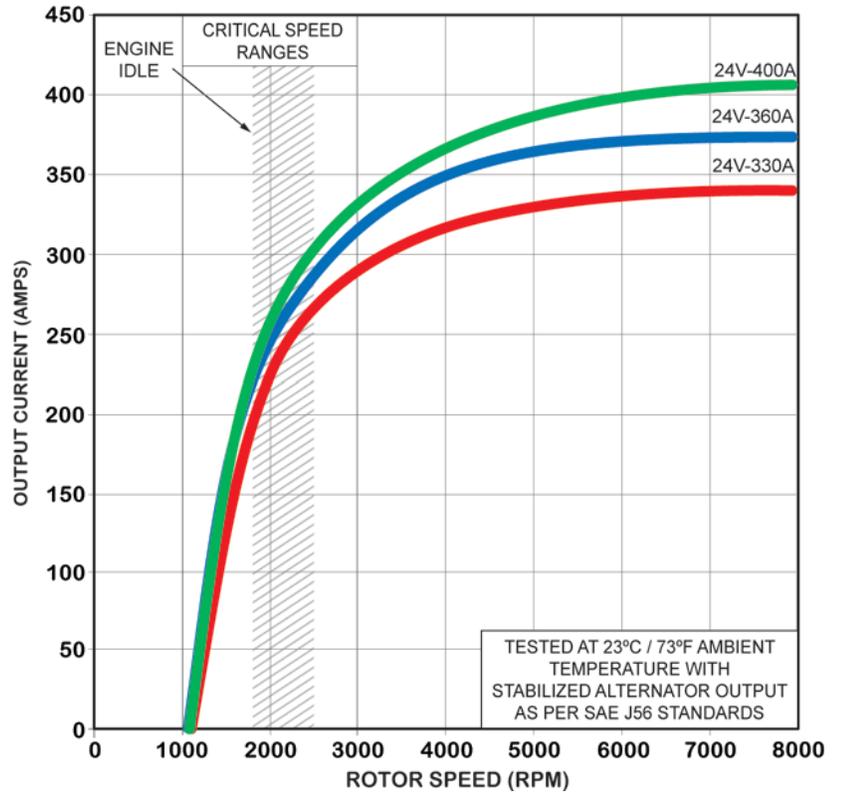
**Transit Bus
and Motor Coach**



SPECIFICATIONS

- Cradle mount
- Rotation: Bidirectional
- Relay/AC terminal
- Internal or Remote Voltage Regulator
- Temperature limits:
 - Low - 40°C / -40°F
 - High 93°C / 200°F (with air precleaner)
 - High 110°C / 230°F (with fresh air intake hose)
- Speed limits: 8,000 RPM
- Weight: 81 Lbs. / 36.7 Kg.

PERFORMANCE CURVES



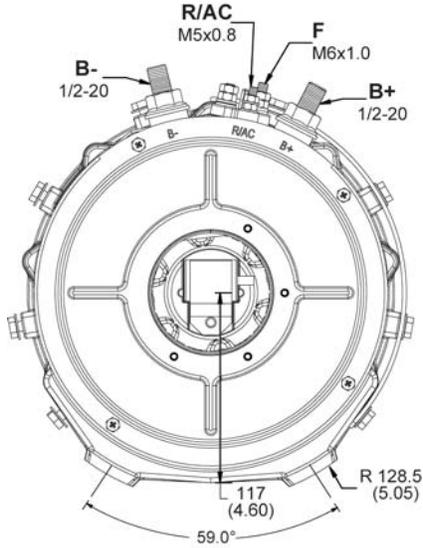
CRITICAL SPEED RANGES

24V	330A	360A	400A
RPM	AMPS	AMPS	AMPS
1800	200	216	232
2000	225	244	262
3000	282	315	347
4000	315	350	384
5000	330	365	400

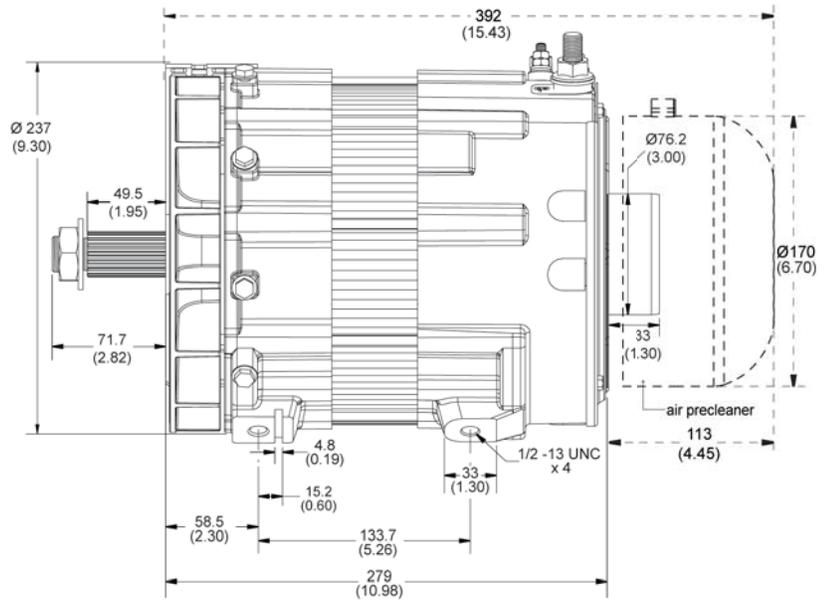
RECOMMENDED FOR:

- Transit Bus
- Motor Coach
- Marine
- Mining
- Industrial

CONNECTIONS

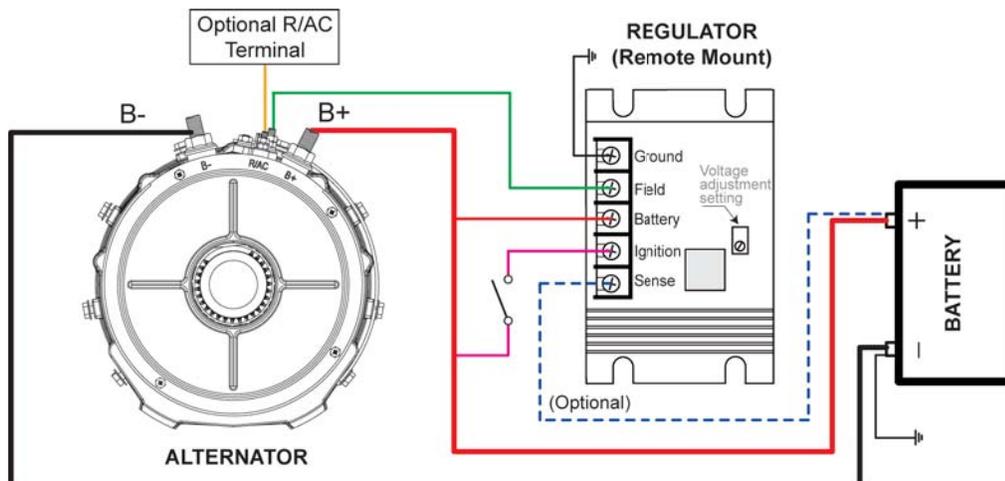


OUTLINE



Dimensions are listed in mm over (in).

WIRING DIAGRAM Typical Configuration



DELSTAR® Brushless			Delco Remy Brushless		C.E. Niehoff Brushless		PennTex Brushless	
Mounting	300 Series Part No.	Amps Output @ 2000 / 5000 rpm	50DN OIL COOLED Part No.	Amps Output @ 2000 / 5000 rpm	C700 Series Part No.	Amps Output @ 2000 / 5000 rpm	PX-8 Series Part N.	Amps Output @ 2000 / 6000 rpm
 CRADLE	100-30207	24V 225 / 330A	8600191 8700077 10459123	210 / 270A			PX-833	200 / 330A
	100-312071 w/ Internal V.R. w/ 8G Pulley	24V 225 / 330A			C701	200 / 300A		
	100-312091 w/ Internal V.R. w/ 8G Pulley	24V 245 / 360A			C702D C703 C703A	210 / 350A		

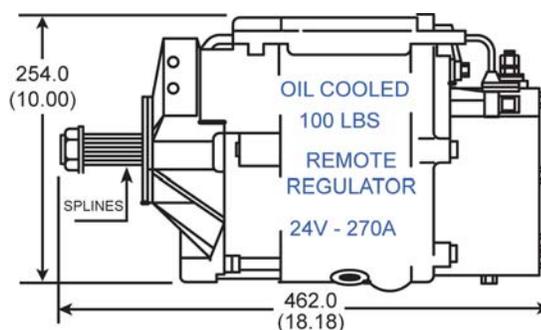
IMPORTANT : Ensure alternator cables are adequate to handle the alternator output current. Voltage drop between Alternator B+ (Output Terminal) and Battery B+ (Positive Terminal) should not exceed 0.5 Volts drop at full alternator output.

COMPARED TO THE REST

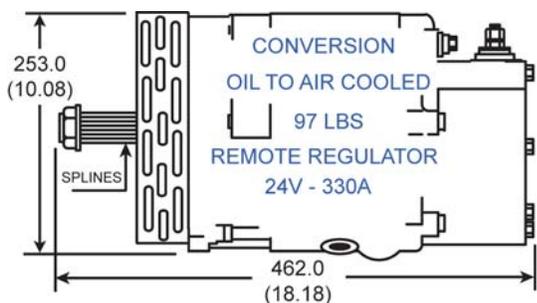
DESCRIPTION	DelStar		A	B	C	
VOLTS	24	24	24	24	24	24
AMPS OUTPUT	330	360	270	270	300	350
AMPS @ 2000 RPM	225	244	195	195	200	210
WEIGHT	81	81	100	97	89	89
LENGTH	18.25"	18.25"	18.18"	18.18"	14.90"	14.90"
DIAMETER	9.30"	9.30"	9.50"	10.08	11.25"	11.25"
COOLING	AIR	AIR	OIL	AIR	AIR	AIR
SUPPLIED w/ PRECLEANER ATTACHED	YES	YES	N/A	NO	NO	NO

- LIGHTER WEIGHT
- SMALLER SIZE
- UP TO 20% MORE AMPS AT ALL CRITICAL SPEED RANGES
- A PERFECT DROP-IN FOR ALL CRADLE MOUNT APPLICATIONS
- MULTIPLE CHOICES OF OUTPUT
- SIMPLE TO SERVICE AND UP TO 65% LESS TIME REQUIRED

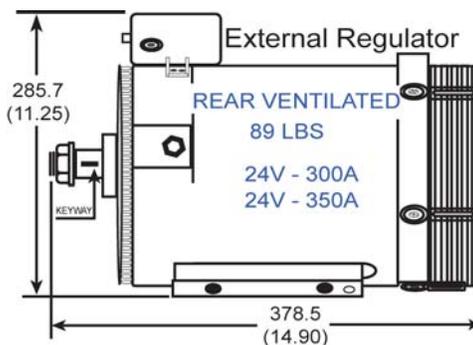
COMPETITOR A



COMPETITOR B



COMPETITOR C



No. 9800-DELA-300 01/29/10 Rev. 161013

For additional cross reference information visit our website e-Cat: www.dixie-electric.com

CANADA & EXPORT SALES

Dixie Electric Ltd. Tel.: 905-879-0533 800-461-5799
 517 Basaltic Road Fax: 905-879-0532
 Concord, ON. E-Mail: sales@dixie-electric.com
 Canada L4K 4W8 Web Site: www.dixie-electric.com



U.S.A. SALES

Dixie Electric Inc. Tel.: 763-475-6629 800-478-0608
 17100 Medina Rd, Suite 100 Fax: 763-475-6635 800-392-8719
 Minneapolis, MN. E-Mail: mn.sales@dixie-electric.com
 U.S.A. 55447-1249 Web Site: www.dixie-electric.us