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HIGH OUTPUT ALTERNATOR

**The Highest Power Output
Alternator in its Size/Class**

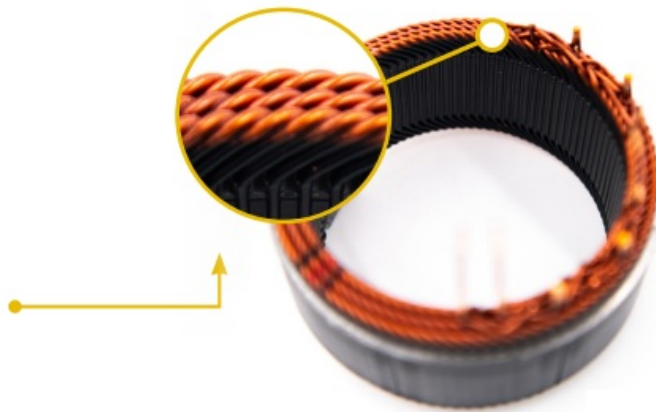


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A225S High Output Alternator

- Engineered for High Energy Production.
- Suitable for Marine, RV, Military, and Commercial applications.
- High-density, ultra-efficient stator winding produces maximum energy output.



- Rapidly charges large battery banks.
- Coolest operating temperatures for increased performance. Runs 8 – 20% cooler than incumbent alternators due to:
 - Heat-shedding coatings
 - Rectifier located on housing exterior
 - Dual cooling fans
 - OEM components



- Optimized for performance at idle speeds.
- Reduces need for generator by creating additional power with your engine.
- Unleash peak performance with E-Coat/ Cerakote. Our advanced coating dissipates heat, keeping the A225s cooler.

This translates to more amperage for sustained periods.

- For maximum performance or lithium battery charging, use an ARCO Zeus Alternator Regulator.



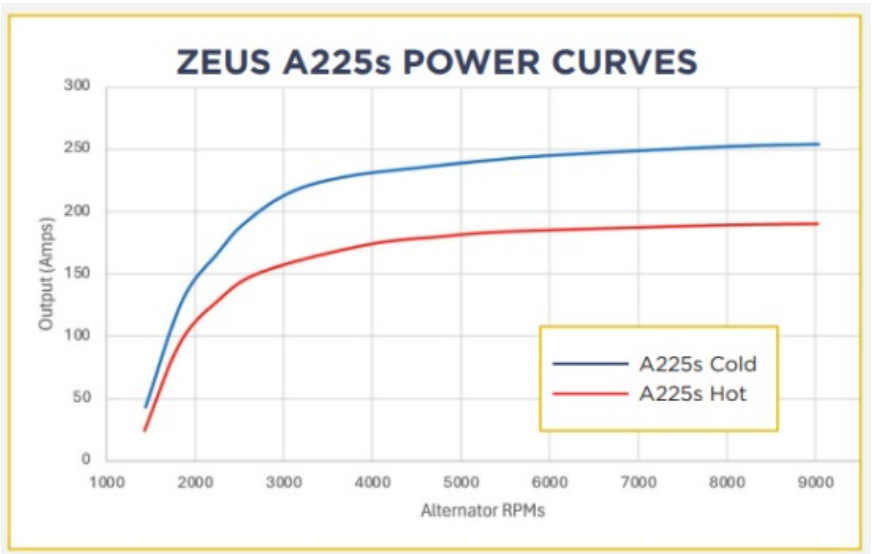
- SAE J1171 Certified.

	3.15" J180	1"-2"	Vortec
Side View			
Front View			
Top View			

IN A CLASS OF ITS OWN...

GET AMPED

The ARCO Zeus A225s introduces the highest power density of any alternator in its class



TRANSPARENCY IN OUR TESTING

*To measure sustained HOT output, the alternator is run at 3,000 RPMs for 60 minutes with a plexiglass shield covering the unit. After 60 minutes in these conditions, alternators reach their maximum operating temperature. It is under these harsh conditions where we measure the “HOT” output of the units at various RPMs (see above). The complete power “COLD” testing was done at 71° F (21.5° C).

Voltage	Maximum Output(Amps)	Sustained Idle Output*(Amps)	Housing	Regulation	Pulley	Release Date	Unit Part #
12V	254	187	Vortec (GM)	External Only	49mm K6 (6 groove)	June, 2024	A225s-12-VT-EX-49K6
12V	254	187	Vortec (GM)	Internal or External	49mm K6 (6 groove)	June, 2024	A225s-12-VT-IE-49K6

12V	254	187	1"-2" Single Foot	External Only	49mm K6 (6 groove)	June, 2024	A225s-12-SF 12-EX-49K6
12V	254	187	1"-2" Single Foot	Internal or External	49mm K6 (6 groove)	June, 2024	A225s-12-SF 12-IE-49K6
12V	254	187	3.15" J180	External Only	49mm K6 (6 groove)	June, 2024	A225s-12-DF 315-EX-49K6
12V	254	187	3.15" J180	Internal or External	49mm K6 (6 groove)	June, 2024	A225s-12-DF 315-IE-49K6

*3,000 alternator RPM sustained under load and hot conditions for 1 hour.



SPECIFICATIONS

Voltage	12V
Field Type	P
Rotor Poles	16
Stator Size	130mm
Frame Size	Small
Weight	12 lbs / 5.4 kg
Regulation	Internal/External (IE) or External Only (EX)

Output Voltage	14.1V (default)
Finish	(Black) Cerakote or E-coating
Cut-In Alt. RPM	1,196
Maximum Alt RPM	19,000
Battery Post	M8 Thread Post, Side Mount
Standard Pulley	49K6 (6-groove, 49mm); 50mm Clutch Pulley (Optional)
Pulley Mount	17mm diameter shaft, 25mm long, threaded M17 x 1.5
Pulley Hardware	M17 x 1.5 x 24mm nut, w/ 18mm ID x 29mm OD washer (Included)
Diodes	6 positive, 6 negative, 50A Rated, Avalanche
Max Output (Cold, 9,000 RPM)	254 Amps
Sustained Cruising Output (Hot, 6,000 RPM)	187 Amps
Sustained Idle Output (Hot, 3,000 RPM)	157 Amps
Max Continuous Operating Temperature	110°C/230°F

APPLICATIONS

Mounting	ARCO Part Number	Application
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1-2" Single Foot	A225s-12-SF12-E X-49K6 A225s-12-SF12-IE-49K6	Replaces most domestic styles using a single 1" or 2" mounting foot (e.g., Motorola, Prestolite)
3.15" J180 Saddle	A225s-12-DF315-EX-49K6 A225s-12-DF315-IE-49K6	Replaces most small case styles using a 3.15" J180 saddle style mount (e.g., Hitachi, Lucas, Mitsubishi) Most Yanmars.
Vortec	A225s-12-VT-EX-49K6 A225s-12-VT-IE-49K6	Replaces Mando type alternators using Vortec/ GM pad mounting feet (Found on many Mercruiser and Volvo Penta 3.0GLM, 3.0GLP, 4.3GXi, 5.7GiL, 5.7GiL Marine Engines.) (GM Blocks)

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Documents / Resources

	ARCO Marine A225S High Output Alternator [pdf] Owner's Manual 3.15, 1-2, J-180, Vortec, A225S High Output Alternator, A225S, High Output Alternator, Output Alternator
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References

- [User Manual](#)

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🔑 1 2, 3.15, A225S, A225S High Output Alternator, ARCO Marine, High Output Alternator, J-180, Output Alternator, VORTEC

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