



ZEUS A275L

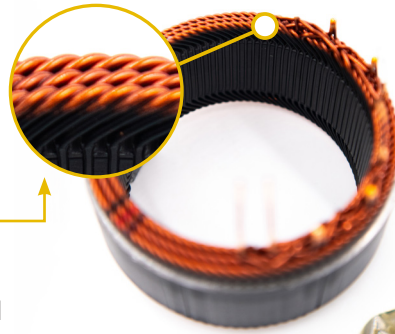
HIGH OUTPUT ALTERNATOR

The Highest Power Output
Alternator in its Size/Class





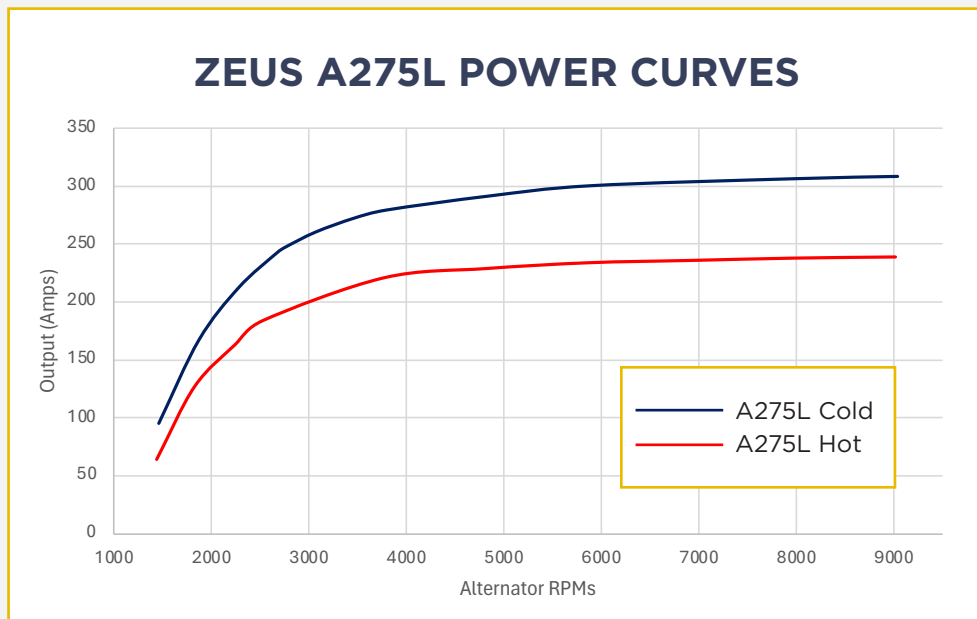
- Engineered for High Energy Production.
- Suitable for Marine, RV, Military, and Commercial applications.
- High-density, ultra-efficient stator winding produces maximum energy output.
- Rapidly charges large battery banks.
- Coolest operating temperatures for increased performance. Runs 8 - 20% cooler 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 A275L 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	4" J180	1"-2"	Vortec	N62	Transit
SIDE VIEW	<p>172mm [6.80"] 135mm [5.30"] 142mm [5.60"] 82mm [3.25"] 32mm [1.25"]</p>	<p>172mm [6.80"] 135mm [5.30"] 142mm [5.60"] 103mm [4.05"]</p>	<p>172mm [6.80"] 142mm [5.60"] 26mm [1.05"] 53mm [2.10"] Optional Spacer for 2" configuration</p>	<p>172mm [6.80"] 135mm [5.30"] 142mm [5.60"]</p>	<p>172mm [6.80"] 135mm [5.30"] 142mm [5.60"]</p>	<p>172mm [6.80"] 135mm [5.30"] 142mm [5.60"] 57mm [2.25"]</p>
FRONT VIEW	<p>175mm [6.90"]</p>	<p>205mm [8.05"] 216mm [8.50"]</p>	<p>196mm [7.70"] 216mm [8.50"]</p>	<p>102.8mm 139mm [5.45"]</p>	<p>120.0mm 156mm [6.15"]</p>	<p>122.4mm 156mm [6.15"]</p>
TOP VIEW	<p>172mm [6.80"] 49mm [1.95"]</p>	<p>172mm [6.80"] 49mm [1.95"]</p>	<p>172mm [6.80"] 49mm [1.95"]</p>	<p>172mm [6.80"] 22mm [0.85"] 49mm [1.95"]</p>	<p>172mm [6.80"] 22mm [0.90"] 49mm [1.95"] 50mm Clutch Pulley (Optional)</p>	<p>172mm [6.80"] 49mm [1.95"] 57mm [2.25"]</p>

IN A CLASS OF ITS OWN... GET AMPED

The ARCO Zeus A275L 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	310	198	Ford Transit	External Only	49mm K6 (6 groove)	April, 2024	A275L-12-TR-EX-49K6
12V	310	198	Ford Transit	Internal or External	49mm K6 (6 groove)	April, 2024	A275L-12-TR-IE-49K6
12V	310	198	Vortec (GM)	External Only	49mm K6 (6 groove)	April, 2024	A275L-12-VT-EX-49K6
12V	310	198	Vortec (GM)	Internal or External	49mm K6 (6 groove)	April, 2024	A275L-12-VT-IE-49K6
12V	310	198	N62	External Only	49mm K6 (6 groove)	April, 2024	A275L-12-N62-EX-49K6
12V	310	198	N62	Internal or External	49mm K6 (6 groove)	April, 2024	A275L-12-N62-IE-49K6
12V	310	198	N62	External Only	50mm K6 Clutch Pulley	April, 2024	A275L-12-N62-EX-50K6CP
12V	310	198	N62	Internal or External	50mm K6 Clutch Pulley	April, 2024	A275L-12-N62-IE-50K6CP
12V	310	198	1"-2" Single Foot	External Only	49mm K6 (6 groove)	May, 2024	A275L-12-SF12-EX-49K6
12V	310	198	1"-2" Single Foot	Internal or External	49mm K6 (6 groove)	May, 2024	A275L-12-SF12-IE-49K6
12V	310	198	3.15" J180	External Only	49mm K6 (6 groove)	June, 2024	A275L-12-DF315-EX-49K6
12V	310	198	3.15" J180	Internal or External	49mm K6 (6 groove)	June, 2024	A275L-12-DF315-IE-49K6
12V	310	198	4" J180	External Only	49mm K6 (6 groove)	June, 2024	A275L-12-DF4-EX-49K6
12V	310	198	4" J180	Internal or External	49mm K6 (6 groove)	June, 2024	A275L-12-DF4-IE-49K6



SPECIFICATIONS

Voltage	12V
Field Type	P
Rotor Poles	16
Stator Size	138mm
Frame Size	Large
Weight	14.9 lbs / 6.7 kg
Regulation	Internal/External (IE) or External Only (EX)
Output Voltage	14.1V (default)
Finish	(Black) Cerakote or E-coating
Cut-In Alt. RPM	1,061
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)	310 Amps
Sustained Cruising Output (Hot, 6,000 RPM)	235 Amps
Sustained Idle Output (Hot, 3,000 RPM)	198 Amps

APPLICATIONS

Mounting	ARCO Part Number	Application
1-2" Single Foot	A275L-12-SF12-EX-49K6 A275L-12-SF12-IE-49K6	Replaces most domestic styles using a single 1" or 2" mounting foot (e.g., Motorola, Prestolite)
3.15" J180 Saddle	A275L-12-DF315-EX-49K6 A275L-12-DF315-IE-49K6	Replaces most small case styles using a 3.15" J180 saddle style mount (e.g., Hitachi, Lucas, Mitsubishi) Most Yanmars.
4" J180 Saddle	A275L-12-DF4-EX-49K6 A275L-12-DF4-IE-49K6	Replaces most Volvo Penta alternators using a 4" J180 saddle style mount
Vortec	A275L-12-VT-EX-49K6 A275L-12-VT-IE-49K6	Replaces Mando type alternators using Vortec/ GM pad mounting feet (Found on many Mercuriser and Volvo Penta 3.0GLM, 3.0GLP, 4.3GX, 5.7GiL, 5.7GXil Marine Engines.) (GM Blocks)
N62	A275L-12-N62-EX-49K6 A275L-12-N62-IE-49K6	Replaces most Mercedes and BMW alternators Mercedes Sprinter 1999-2006 alternators Mercedes Sprinter Factory dual alternator 2007-Up Replacement
Transit	A275L-12-TR-EX-49K6 A275L-12-TR-IE-49K6	Replaces Ford Transit alternators 3.5L & 3.7L Gas engines 2015-2022
N62 (Clutch Pulley)	A275L-12-N62-EX-50K6CP A275L-12-N62-IE-50K6CP	Mercedes Sprinter 1999-2006 alternators Mercedes Sprinter Factory dual alternator 2007-Up Replacement Replaces Roadtrek Mercedes Dual alternator



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1 year parts and labor with a second year extension if registered within 30 days.



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sales@arcomarine.com

Toll Free: 1-800-722-2720
Fax: 850-453-2630

3921 W. Navy Blvd.
Pensacola, FL 32507