

NEW

Large Case Alternators

Heavy Duty Cycle, Large Frame Alternators

97XD, 97EHD-Series

- Designed for Extended Duty Operation
- Isolated Ground Terminations (except 97XD-24-190)
- Maximum RPM: 8,000
- External Regulation Required
- USCG Title 33 Compliant



97XD-Series
190A, 24V Model

Extra-Large Case 97XD-Series and 97EHD-Series Alternators are appropriate for large diesel applications such as Caterpillar, Cummins, MTU and John Deere engines to service extensive house battery loads. The New 97XD-Series utilizes braided-stator technology to deliver exceptional power at low RPM. See page 28 for applicable power curves.



97EHD-Series
190A, 24V Model

Part Number ⁽²⁾	Output		Mounting Style	Minimum Pulley
	Volts	Amps		
97XD-12-240-IG	12	240	Dual Foot 4" (J180-style)	K6 Serpentine
97XD-24-120-IG	24	120		
97XD-24-190		190		
97EHD-190-24-IG		190		

(1) 97-Series Alternators can be outfitted with K6 or K8 Serpentine Pulleys.

(2) 97-Series Alternators are designed to be used with Balmar Multi-Stage Regulators.

Extra Large Case Alternators

Maximum Duty-Cycle, Extra-Large Frame

98-Series

- Highly Efficient Brushless Design
- Isolated Ground Termination
- Dual Cooling Fans, Oversized Bearings
- High Amperage Diodes
- Maximum RPM: 6,000
- Requires External Voltage Regulation
- USCG Title 33, CE, ISO 8846 and SAE J1171 Compliant

The Extra-Large Case 98-Series Alternator offers the capacity to produce nearly 5kW of DC output – on par with many small gensets. The 98-Series Alternator is currently used on USCG 43' Lifeboats.



98-Series

Part Number	Output		Mounting Style	Minimum Pulley
	Volts	Amps		
98-12-310-IG-BL	12	310	Dual Foot 4" (J180-style)	1/2" Dual Vee ⁽¹⁾
98-24-220-IG-BL	24	220		

(1) All 98-Series Alternators can be outfitted with K6 or K8 Serpentine Pulleys.

(2) 98-Series Alternators are designed to be used with Balmar Multi-Stage Regulators.

(3) Select the 12-98-AIR Intake Manifold for additional cooling.

AltMount[®] Serpentine Pulley Conversion Kits

Balmar's Patented AltMount[®] Serpentine Pulley Kits Facilitate the use of Balmar High Power Alternators

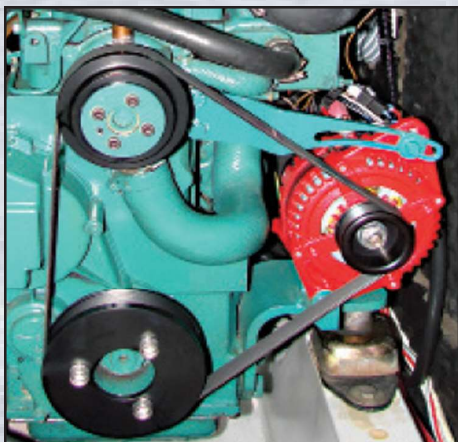
- Better Power Transfer
- Reduced Vibration and Belt Dust
- Quieter Motoring

Single Vee pulleys can only support alternator power loads (PTO) of up to 100A for 12V applications (45A for 24V applications). See the chart on page 6. A serpentine pulley provides greater surface contact between the belt and pulley, and thus can accommodate much higher PTO requirements.

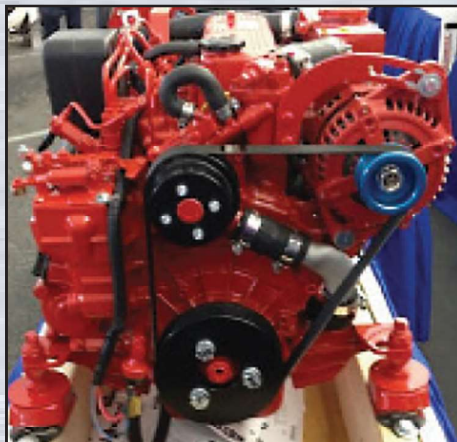


U.S. Patent Nos. 8.939.855 and D654.778

AltMount[®] Pulley Kits are designed uniquely for each engine listed on the adjacent page, including all the hardware required to complete the installation. The system is installed by placing and fastening each conversion pulley over the existing crank and water pump pulleys. Two serpentine belts are provided with each kit. Many engines dimensions vary from manufacturers dimensions and may require slight adjustments to mounting and bolt length.



Volvo



Westerbeke



Yanmar

Note: Engine manufacturers often make minor changes in their engine platforms which may require minor changes to the AltMount[®] Kit. Also, a previous boat owner may have made changes to the pulley scheme which must be overcome. As a result, Balmar recommends that every AltMount[®] Kit be installed by a qualified professional.

Note: Balmar no longer offers Yanmar Second Alternator Kits. With the introduction of our XT-Series, 250A alternator platform, we believe the most cost-effective solution for higher power is the replacement of a primary alternator with the XT-Series. The cost and complexity of adding a second alternator mount is no longer required.