

2004 Product Pricing Guide

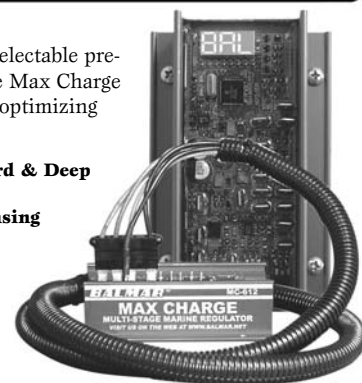
BALMAR®

Max Charge Multi-Stage Regulators

Battery charging was never smarter! Computerized digital charge control, user-friendly numeric display, seven selectable pre-set programs for popular battery types and a wide range of advanced user programmability combine to make the Max Charge the most intelligent regulator on the market. Optional battery and alternator temperature sensors protect while optimizing charging. 12, 24 & 32-volt models. "H" indicates model includes 54" wiring harness.

Model	Volts	Harness	List Price
MC-612	12	No	\$329.95
MC-612-H	12	Included	\$349.95
MC-624	24	No	\$379.95
MC-624-H	24	Included	\$399.95
MC-632	32	No	CALL
MC-632-H	32	Included	CALL

- Presets for Gel - AGM - Flooded (Standard & Deep Cycle) - Optima - Halogen - Universal
- Alternator and Battery Temperature Sensing
- Advanced Time & Voltage Adjustment
- Amp Manager & Equalization Functions
- Measures 4-7/8"L x 3-1/4"W x 1-1/2"H



ARS-4 Multi-Stage Regulator

- Presets for Universal - Gel - AGM - Flooded Deep Cycle - Optima Batteries
- Alternator Temperature Sensing
- Advanced Programming
- Equalization Mode

An excellent combination of affordability and advanced digital charge control. Eight color-coded LEDs. Alternator temperature sensing only. One year limited warranty.

Model	Volts	Harness	List Price
ARS-4	12	No	\$249.95
ARS-4-H	12	Included	\$269.95



NEW!

Digital Duo Charge II

- Gel - AGM - Flooded Deep Cycle Std. Flooded - Optima Settings
- 60-Amp Maximum Current
- Independent Voltage Control
- Two-Stage Charging
- Battery Temperature Compensation
- 4-Digit Alphanumeric LED Readout
- Control For Optional Solenoid Operation

Stronger than ever. Smarter than ever. The "beefed up" Digital Duo Charge II doubles the charging current of its smaller cousin, making it the ideal solution for larger auxiliary battery charging.

Independent multi-stage charging ensures that auxiliary battery is charged to its specific requirements. Preset programs for five battery types allow mixed technologies. 12 or 24-volt charge control.

Temperature compensation (with optional battery temperature sensor) adjusts charging voltage based on ambient battery temperature. Bright 4-digit numeric LED simplifies programming and provides ample operational information. **List Price \$349.95**



BRS-2 Single-Stage Regulator

- Analog Voltage Adjustment
- 12-Volt & 24-Volt Models
- Color-coded Display
- Compact Design

Simple, single-stage charge controller that's adjustable for most battery types. In 12V or 24V. One year limited warranty.

Model	Volts	Harness	List Price
BRS-2	12	No	\$159.95
BRS-2-H	12	Included	\$189.95
BRS-2-24	12	No	\$199.95
BRS-2-24-H	12	Included	\$219.95



Temperature Sensors

For use with Max Charge regulators, Duo Charge, Duo Charge II and ARS-4 regulators. Battery temperature sensors measure 20 feet. Alternator temperature sensors measure 5 feet. Sensors are required to take advantage of regulator temperature sensing capabilities.

Model	Description	List Price
MC-TS-A	Alternator Temperature Sensor	\$39.95
MC-TS-B	Battery Temperature Sensor	\$49.95



Manual Reset Circuit Breaker

High-quality surface mount breaker. Waterproof. Vaporproof. Conforms to J1171 standards. Trip-free (cannot be held closed after trip). 30 watt DC max. rated. 3000-amp interrupt. Phenolic housing.

Model	Description	List Price
1512	125-amp	\$49.95
1515	150-amp	\$49.95



Audible Alert Kit

Includes LOUD piezo buzzer and 20' cable with terminal connections to connect to regulator dash lamp terminal. **List Price - \$49.95**



Wiring Harnesses

Marine grade wiring encased in high-temperature sheathing. Connectors vary by alternator model. 54" length. Specify alternator model when ordering. **List Price - \$41.95**

Digital Duo Charge

- Gel - AGM - Flooded Deep Cycle - Std. Flooded Settings
- Battery Temperature Sensing
- 30-Amp Maximum Current

Like having two alternators! Four built-in battery programs – Deep Cycle Flooded, AGM, Gel and Standard Flooded – let you to safely maintain two battery types from the same charging source! Unique FET-based control virtually eliminates voltage drop while delivering up to 30 amps. Should greater charging power be required, the Duo Charge can be used to control a separate solenoid. 12 or 24-volt charging. Battery temperature sensing (with optional sensor). **List Price \$224.95**



Centerfielder

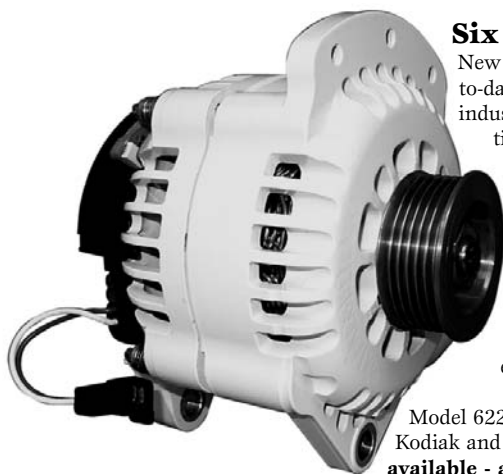
- Synchronizes Twin-Engine, Dual-Alternator Systems
- Ensures Balanced Charging
- Enhances Alternator and Battery Life

The perfect solution for twin engine systems with two alternators charging a single battery bank. The Centerfielder monitors both regulators and assigns the dominant regulator to control field output to both alternators, so charging is balanced and alternators work together. The Centerfielder also ensures that both alternators remain in operation if either port or starboard regulator fails. Adjustable for 12-Volt or 24-Volt operation. **List Price \$219.95**



WWW.BALMAR.NET

Small Case Alternators



Six Series Alternators

New 6-Series alternators combine the best of Balmar's proven quality with the most up-to-date technology – delivering performance and durability that raises the bar for the industry. Dual internal fan construction marks a huge improvement in cooling over traditional external fan models – moving more air through the alternator at idle to cruising rpms – ensuring that internal components stay cool and more efficient.

High amperage diodes, over-sized bearings, and brawny rotors and stators are standard. Patented Smart Ready™ regulator system makes it possible to enjoy the benefits of intelligent multi-stage Max Charge or ARS-4 regulators, while ensuring the fail-safe dependability of internal regulation. A low-amperage D+ circuit and a universal tensioning head round out the package. 12V and 24V models. USCG Title 33, ISO8846, and SAE J1171 ignition protection compliant construction ensures added safety when installed on marine diesel or gasoline engines.

Model 622 alternators feature “Pad-type” mounting foot for many Mercruiser, Volvo Penta gas, Kodiak and similar models using Mando fixed mount alternators. **Isolated ground models available - add \$100 to list price. Specify “IG” when ordering.** Limited 1-year warranty.

Numerous pulley configurations are available for all alternator models, including both vee and serpentine (multi-groove) styles. Specify pulley required when ordering.

Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt Width (Qty.)	Price
60-80	Dual Ft. (3.15" ID)	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$549.95
60-110	Dual Ft. (3.15" ID)	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$649.95
60-135	Dual Ft. (3.15" ID)	135	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$749.95
60-160	Dual Ft. (3.15" ID)	160	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$849.95
60-24-65	Dual Ft. (3.15" ID)	65	24	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$749.95
60-24-80	Dual Ft. (3.15" ID)	80	24	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$949.95
61-80	1" Single Foot	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$549.95
61-110	1" Single Foot	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$649.95
61-135	1" Single Foot	135	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$749.95
61-160	1" Single Foot	160	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$849.95
61-24-65	1" Single Foot	65	24	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$749.95
61-24-80	1" Single Foot	80	24	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$949.95
612-80	2" Single Foot	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$549.95
612-110	2" Single Foot	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$649.95
612-135	2" Single Foot	135	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$749.95
612-160	2" Single Foot	160	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$849.95
612-24-65	2" Single Foot	65	24	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$749.95
612-24-80	2" Single Foot	80	24	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$949.95
604-80	Dual Ft. (4" ID)	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$549.95
604-110	Dual Ft. (4" ID)	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$649.95
604-135	Dual Ft. (4" ID)	135	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$749.95
604-160	Dual Ft. (4" ID)	160	12	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$849.95
604-24-65	Dual Ft. (4" ID)	65	24	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$749.95
604-24-80	Dual Ft. (4" ID)	80	24	5.25"	6.5"	2.7" x Dual Vee / 1/2" (2)	\$949.95
622-110	2" Pad Mount	110	12	5.25"	5.5"	K-6 Serpentine	\$649.95
622-135	2" Pad Mount	135	12	5.25"	5.5"	K-6 Serpentine	\$749.95
622-160	2" Pad Mount	160	12	5.25"	5.5"	K-6 Serpentine	\$849.95



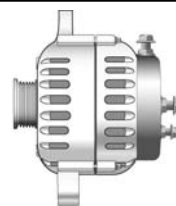
Seven Series Alternators

Constructed in powerful 80-amp and 110-amp ratings, these dual internally fanned alternators are an ideal choice in applications where extra cooling is required at lower or at higher rpms. High rated continuous rpm (between 12,000 and 15,000 rpm), ensures excellent performance – even when paired with high-revving gasoline “muscle” engines. Standard 2.5" dia. deep-vee pulley supports 3/8" to 1/2" belts.

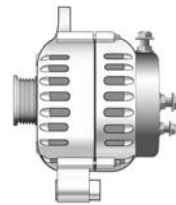
Additional pulleys available. 1", 2" and dual-foot (3.18"ID) mounts for minimal modification on most popular engines. 1-year limited warranty. USCG Title 33, ISO8846, and SAE J1171 ignition protection compliant construction ensures added safety when installed on marine diesel or gasoline engines.

Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt Width (Qty.)	Price
70-80	Dual Ft. (3.15" ID)	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$499.95
70-110	Dual Ft. (3.15" ID)	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$599.95
71-80	1" Single Foot	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$499.95
71-110	1" Single Foot	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$599.95
712-80	2" Single Foot	80	12	5.25"	6.5"	2.5" x Sgl. Vee / 3/8" (1)	\$499.95
712-110	2" Single Foot	110	12	5.25"	6.5"	2.5" x Sgl. Vee / 1/2" (1)	\$599.95

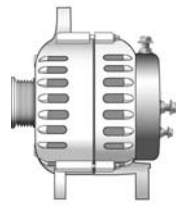
Numerous pulley configurations are available for all alternator models, including both vee and serpentine (multi-groove) styles. Specify pulley required when ordering.



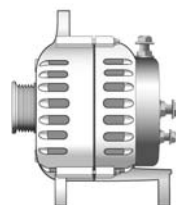
Model 61



Model 612



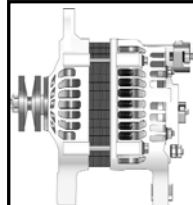
Model 60



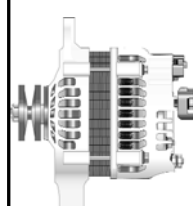
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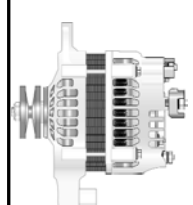
Model 622



Model 70



Model 71



Model 712

Large Case Alternators

94-Series Alternators

Large case 94-Series alternators deliver additional capacity and heavy-duty construction needed to match the demands of larger, multiple battery banks, inverter loads and other "big boat" demands. Powdercoated cast frames. Stout 2" mounting foot. Single or dual outputs. Meets USCG Title 33 standards. Models 94-160 and 94-190 are dual output. 165 and 210-amp models feature military style dual-delta stators. 1-year limited warranty.



Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt (Qty.)	Price
94-100	2" Single Foot	100	12	6.5"	8"	2.5" x Sgl. Vee / 1/2" (1)	\$1199.95
94-160	2" Single Foot	160	12	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1249.95
94-165	2" Single Foot	165	12	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1449.95
94-190	2" Single Foot	190	12	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1299.95
94-210	2" Single Foot	210	12	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1499.95
94-24-120-D*	2" Single Foot	120	24	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1199.95
94-24-120-IG*	2" Single Foot	120	24	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1249.95
94-24-135MHD	2" Single Foot	135	24	6.5"	8"	2.7" x Dual Vee / 1/2" (2)	\$1499.95

D* indicates dual output. IG* indicates isolated ground.



95-Series Alternators

Large case 95-Series alternators deliver additional capacity and heavy-duty construction for multiple battery banks, inverter loads and large capacity batteries. Saddle-style dual-foot mount (J180). 4" inside dimension between feet. Dual delta stator design runs cooler, more efficiently. Meets USCG Title 33 standards. Isolated ground available. Call for price. 1-year limited warranty.

Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt (Qty.)	Price
95-165	Dual Foot (4" ID)	165	12	6.75"	8.75"	2.7" x Dual Vee / 1/2" (2)	\$1449.95
95-210	Dual Foot (4" ID)	210	12	6.75"	8.75"	2.7" x Dual Vee / 1/2" (2)	\$1499.95

Extra Large Case Alternators

Numerous pulley configurations are available for all alternator models, including both vee and serpentine (multi-groove) styles. Specify pulley required when ordering.



96-Series Alternators

Extra-large case 96-Series are engineered to meet the substantial demands of large, new technology battery banks. Heavy gauge powdercoated cast aluminum case. Saddle-style dual-foot mount (J180). 4" inside dimension between feet. Single output. Dual delta stator. Meets USCG Title 33 standards. Isolated ground available. Call for price. 1-year limited warranty.

Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt (Qty.)	Price
96-275	Dual Foot (4" ID)	275	12	6.75"	8.5"	2.7" x Dual Vee / 1/2" (2)	\$2199.95

97-Series Alternators

Extra-large case 97-Series alternators deliver additional capacity and heavy-duty construction for inverter loads and large capacity battery banks. Powdercoated cast case. Saddle-style dual-foot mount (J180). Four inch inside dimension between feet. Single output. Meets USCG Title 33 standards. Isolated ground. Selected model feature brushless construction (BL). 1-year limited warranty.



Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt (Qty.)	Price
97-140-BL	Dual Foot (4" ID)	140	12	6.75"	8.75"	2.7" x Dual Vee / 1/2" (2)	\$1399.95
97-160-BL	Dual Foot (4" ID)	160	12	6.75"	8.75"	2.7" x Dual Vee / 1/2" (2)	\$1499.95
97-24-110	Dual Foot (4" ID)	110	24	6.75"	8.75"	2.7" x Dual Vee / 1/2" (2)	\$1399.95
97-24-140-BL	Dual Foot (4" ID)	140	24	6.75"	8.75"	2.7" x Dual Vee / 1/2" (2)	\$1499.95

98-Series Alternators

Premium, extra-large case 98-Series alternators are uniquely engineered to provide maximum amperage to meet the challenging demands of commercial, military and luxury pleasure yachts. Rugged brushless design. Oversized bearings. Saddle-style dual-foot mount (J180). Four inch inside dimension between feet. Single output. 7/8" shaft. Meets USCG Title 33 standards. Isolated ground. 1-year limited warranty.



Model	Mounting Style	Amps	Volts	Case Dia.	Bolt-to-Bolt	Std. Pulley/Min. Belt (Qty.)	Price
98-12-300-BL	Dual Foot (4" ID)	310	12	6.85"	8.25"	2.7" x Dual Vee / 1/2" (2)	\$2349.95
98-24-220-BL	Dual Foot (4" ID)	220	24	6.85"	8.25"	2.7" x Dual Vee / 1/2" (2)	\$2349.95
98-32-190-BL	Dual Foot (4" ID)	190	32	6.85"	8.25"	2.7" x Dual Vee / 1/2" (2)	\$2349.95

"Balmar Wear" Logo Apparel



Balmar Logo Gear

High quality apparel highlighted with the Balmar message. Heavyweight 100% cotton crew neck tees. Choose from bright red w/screened navy logo or navy blue w/screened red logo. Navy blue cotton twill ball cap with red embroidered logo. *Call for pricing.*

9-Series Alternators

Single output, dual output and isolated ground 90, 901, 91, and 912-Series alternators are available through 2004. Balmar recommends our current 6-Series and 7-Series alternators for both gasoline and diesel applications.

Should your customer prefer to replace an existing 9-Series alternator with an identical unit, please contact our Customer Service department at 360-435-6100 for current pricing.

Optional Pulleys

Pulleys in various sizes and belt configurations are available for all Balmar alternators. A detailed list of pulleys in stock is posted at the Balmar website:

www.balmar.net/pulleymatrix.htm

Pulleys can be ordered individually, or can be installed prior to shipping. Call or e-mail us at balmar@balmar.net for current pricing and availability.



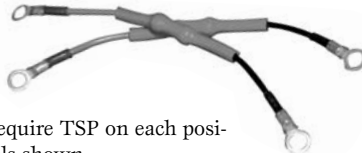
Multi-Lite® All Purpose Fixture

Use in 12V, 24V, 32V, or 115/230VAC applications (based on your wiring and bulb choice). Weatherproof design (not vaporproof). Includes glass fresnel lens and protective lens guard. Uses standard medium base bulb. (15 to 25-watt recommended.) Fixture measures 7" x 4.5" x 4"H.

Model	Description	List Price
458S	Switched Multi-Lite	\$49.95
458	Non-Switched Multi-Lite	\$44.95
41-451-L	Replacement Lens	\$19.95
41-451-C	Replacement Cage	\$19.95

Transient Spike Protectors

Attach between positive output and ground terminals to protect diodes. Dual output alternators require TSP on each positive terminal. 12V and 24V models shown.



Model	Description	List Price
TSP-12	12-Volt Spike Protector.....	\$22.95
TSP-24	24-Volt Spike Protector.....	\$29.95

Offshore Parts Kits

Kits include bearings, brushholder, brushes and positive/negative diodes and external ERS back-up regulator, unless otherwise specified.

Model	Description	List Price
7070	7-Series	\$179.95
7080	8-Series	\$179.95
7090	9-Series	\$179.95
7094	94-Series	\$199.95
7095	95-Series	\$299.95
7096	96-Series	\$351.95
7097	97-Series	\$352.95
7098	98-Series	\$353.95

Fan Rotation Options

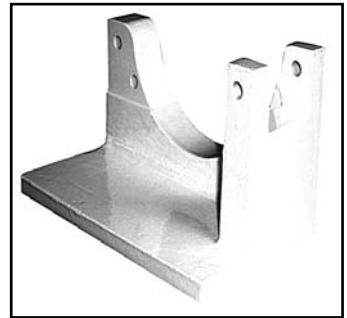
"Fan" option refers to pre-installed bi-directional fan on new alternators. Kit for user installation includes fan, roll pin and special drill bit. For 90, 91, 912-Series, and 94-Series models. (Pulleys must be keyed for counterclockwise rotation.)

Description	List Price
Reverse Rotation Fan (factory installed)	\$99.95
Reverse Rotation Kit (with fan, pin and drill bit)	\$99.95

Alternator Repair & Rebuilding

Warranty and post-warranty service and repair for Series 90, 91, 912, and 94-Series alternators is handled through Lestek in Ft. Worth, TX. To arrange for an alternator repair or rebuild, call Lestek at (800) 433-7628.

Owners of Series 60, 61, 612, 604, 622, 70, 71, 712, 95, 96, 97, and 98 alternators should contact Balmar Customer Service department at (360) 435-6100. or e-mail balmar@balmar.net for information regarding repair and rebuilding services for those models.



Alternator Mount Bracketry

While most Balmar alternator installations require little or no alterations beyond shimming, etc., some applications may require the replacement of the standard tensioning arm with our UAA Universal Adjustment Arm. The UAA can be cut or re-shaped to meet mounting needs. Our Model 5276 Off Engine Bracket offers a simple solution for the addition of an auxiliary alternator. Both are powdercoated for corrosion resistance. The newly designed KMB Mounting Bracket is designed specifically to pair new Kubota diesels with high output 70-Series and 90-Series alternators.



Model	Description	List Price
UAA	Universal Adjustment Arm	\$34.95
5276	Off Engine Bracket	\$329.95
KMB	Kubota Mounting Bracket	CALL

Need something that's not in the price list? Balmar Can Deliver A Large Number Of Custom & Special Order Items: Water Heaters, Replacement Parts, And More. Call For Details.

BALMAR® 2004 List Pricing

Don't see the product you need? Many in-stock or special order items may not be included in the 2004 Price List. See our website or call our Customer Service department at (360) 435-6100 for details.

TERMS: Cash, COD, Visa, Mastercard, Wire Transfer, L.C. (letter of credit). COD payment options: Cash, Certified Bank Funds, or Cashiers Check. Customer will pay all bank fees, brokerage, or special packaging. A \$50 charge will apply on returned checks. Late charge of 2% levied on all past due open accounts.

Orders greater than \$2000 or custom equipment orders require 50% deposit. No returns or refunds. 3% bank card charge. Packaging and handling charges will not exceed 2% of order with a \$3.50 minimum charge, except for special crating. Returns must occur within 30 days and must include Return Authorization (RA#) issued by our Customer Service department. Minimum restocking charge is 15%. No returns of custom or installed equipment are accepted. All shipments FOB our plant. All products covered by 1-year, limited warranty from date of purchase unless otherwise noted. Copies or specific coverage available upon request.

BALMAR® products and accessories are sold through distributors, dealers and builders only. Prices and specifications subject to change without notice.

BALMAR®

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