

## Alternator Dimensions

Alternator Model	Case Diameter	Bolt-to-Bolt Tension to Mounting Foot	Overall Height	Case Length Front-to-Back	Overall Length (Standard Pulley)	Dual Foot Saddle Width (Inside)	Rear Foot Width (including Bushing)	Front Foot Width	Front Foot to Center of Inside Sheave	Standard Pulley Diameter	Mounting Foot Bore	Tension Arm Bolt Dia. / Thread Count	Rotor Poles
60 Series	5.35" 136 mm	6.6" 167 mm	7.5" 190 mm	5.08" 129 mm	SV: 6.63" 168 mm	3.28" 83 mm	0.94" 24 mm	0.61" 16 mm	0.5" 13 mm	SV: 2.7" 69 mm	0.39" 10 mm	M8 x 1.25	12
621 Series	5.35" 136 mm	6.6" 167 mm	7.5" 190 mm	5.08" 129 mm	SV: 6.63" 168 mm	N/A	N/A	1.0 / 2.0" 25 / 51 mm	0.5" 13 mm	SV: 2.7" 69 mm	.39" / 0.5" 10 / 13 mm	M8 x 1.25	12
604 Series	5.35" 136 mm	6.6" 167 mm	7.5" 190 mm	5.08" 129 mm	SV: 6.63" 168 mm	4.15" 105 mm	0.94" 24 mm	0.61" 16 mm	0.5" 13 mm	SV: 2.7" 69 mm	0.39" 10 mm	M8 x 1.25	12
XT-170 Series	5.26" 134 mm	6.53" 165 mm	7.43" 188 mm	4.89" 124 mm	DV: 8.00" 203 mm	3.28" 83 mm	.75" 19 mm	0.55" 14 mm	0.62" 16 mm	DV: 2.7" 69 mm	.39" / 0.5" 10 / 13 mm	M8 x 1.25	16
XT-250 Xeries	5.59" 142mm	6.88" 175 mm	7.81" 198 mm	5.30" 134 mm	DV: 7.15" 181 mm	3.28" 83 mm	.92" 23 mm	0.60" 15 mm	1.58" 40 mm	DV: 2.7" 69 mm	.38" 10 mm	M8 x 1.25	16
XT-DF4-250 Series	5.59" 142 mm	8.07" 205 mm	9.61" 244 mm	5.70" 144 mm	DV: 7.17" 182 mm	4.10" 104 mm	1.00" 25 mm	0.60" 15 mm	1.58" 40 mm	DV: 2.7" 69 mm	0.50" 13 mm	3/8" x 16NC	16
94 Series	6.0" 152 mm	8.0" 203 mm	9.0" 229 mm	5.0" 127 mm	DV: 7.0" 178 mm	N/A	N/A	2.0" 51 mm	1.0" 25 mm	DV: 2.9" 74 mm	0.5" 13 mm	3/8" x 16NC	12
94LY Series	6.0" 152 mm	8.0" 203 mm	9.0" 229 mm	5.0" 127 mm	DV: 7.0" 178 mm	3.28" 83 mm	0.55" 14 mm	0.88" 23 mm	1.0" 25 mm	DV: 2.9" 74 mm	0.5" 13 mm	3/8" x 16NC	12
95 Series	6.0" 152 mm	7.7" 196 mm	9.0" 229 mm	6.5" 165 mm	DV: 8.7" 221 mm	4.1" 104 mm	.75" 19 mm	0.56" 14 mm	1.1" 28 mm	DV: 2.9" 74 mm	0.5" 13 mm	3/8" x 16NC	12
96 Series (48V)	6.0" 152 mm	7.7" 196 mm	9.0" 229 mm	6.5" 165 mm	DV: 8.7" 221 mm	4.1" 104 mm	.75" 19 mm	0.56" 14 mm	1.1" 28 mm	DV: 2.9" 74 mm	0.5" 13 mm	3/8" x 16NC	12
97XD Series (24V)	6.30" 160 mm	8.5" 216 mm	9.17" 233 mm	6.7" 170 mm	K6:8.71" 221 mm	3.98" 101 mm	0.93" 24 mm	0.56" 14 mm	1.77" 44 mm	K6:2.6" 65 mm	0.5" 13 mm	1/2" x 13NC	16
97EHD (190A) Series (24V)	6.5" 165 mm	8.4" 213 mm	9.75" 248 mm	8.125" 207 mm	DV: 10.9" 277 mm	4.1" 104 mm	.75" 19 mm	0.65" 17 mm	1.2" 30 mm	DV: 2.9" 74 mm	0.5" 13 mm	1/2" x 13NC	12
98 Series	8.25" 210 mm	8.25" 210 mm	9.6" 244 mm	8.0" 204 mm	DV: 11.0" 279 mm	4.1" 104 mm	0.75" 19 mm	0.58" 15 mm	1.1" 28 mm	DV: 2.9" 74 mm	0.5" 13 mm	1/2" x 13NC	14

### Notes:

In order to ensure quality, Balmar reserves the right to make changes which may affect alternator dimensions or specification. Visit [www.balmar.net](http://www.balmar.net) for any product updates. Balmar is not liable for any damages or injuries resulting from faulty product installation. See the Balmar Warranty and ordering instructions at the bottom of page 34 of this catalog for more information.

Small case 60-Series Alternators are equipped standard with 10mm bore spacers and bushings. 8mm bore spacers and bushings are available for those units. Call Balmar Customer Service at +1 (360) 435-6100.

621-Series and XT-Series alternators are equipped with a removable bushed 1" spacer for use in 2" installations. 1" mounts feature a .50" bore. 2" mounts feature a .38" bore. Always compare existing alternator & replacement alternator dimensions. Balmar cannot guarantee direct OEM replacement.