

## 300 Series Power / Size Guide

At WOSP we always try to offer as many options possible to meet the needs of the customer, and our alternators are no exception to that. We are aware that sometimes you want a smaller and lighter weight alternator but still need a high output, or in some cases a lower output. Below is a guide to help understand the 4 platforms we cater for amongst our 300 series alternators differing in their size, weight and offering different output options per platform.

### Small

Weight: 3.9Kg

Stator Size: 110.8Ø

Output Options:

Standard: 95A

HO: **170A**

### Intermediate

Weight: 4.6Kg

Stator Size: 120.5Ø

Output Options:

LO: **110A**

Standard: 140A

HO: **270A**

### Medium

Weight: 5.3Kg

Stator Size: 128.5Ø

Output Options:

LO: **120A**

Standard: 175A

MHO: **250A**

HO: **320A**

### Large

Weight: 6.9Kg

Stator Size: 138Ø

Output Options:

LO: **180A**

Standard: 240A

HO: **390A**



### Small

**LMA331 – 95A**

### Medium

**LMA308 – 175A**

### Large

**LMA420 – 240A**

Above showcases three options we provide for our Lucas RH mount Race alternator. Available in their standard 95A, 175A and 240A with options for higher and lower outputs.

HIGH OUTPUT OPTIONS ARE AN ADDITIONAL COST AND REQUIRE MORE RPM



Platform	Small		Intermediate			Medium				Large		
	3.9	3.9	4.6	4.6	4.6	5.3	5.3	5.3	5.3	6.9	6.9	6.9
Alt RPM	95A	HO 170A	LO 110A	140A	HO 270A	LO 120A	175A	MHO 250A	HO 320A	LO 180A	240A	HO 390A
500	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0
1500	42	0	56	71	0	64	96	100	0	101	130	0
2000	69	38	73	102	86	94	130	131	107	142	158	180
2500	81	81	79	116	120	116	148	149	161	155	178	242
3000	88	115	85	125	160	126	156	167	203	164	193	280
3500	90	130	89	132	207	132	164	198	235	172	205	301
4000	92	143	93	135	232	134	169	219	262	177	215	320
4500	93	151	97	138	244	135	173	232	280	182	224	336
5000	94	157	100	140	252	136	176	247	294	185	232	348
5500	95	163	104	141	258	137	177	252	303	186	239	357
6000	96	168	106	143	265	137	178	254	310	187	243	365
6500	97	172	109	144	269	137	179	255	315	188	246	372
7000	98	175	110	146	274	137	180	256	320	190	247	378
7500	99	177	111	147	277	137	181	256	323	191	248	383
8000	100	178	111	147	280	137	182	256	326	191	248	387
8500	100	179	112	148	281	137	182	256	327	191	248	390
9000	100	180	113	148	282	137	182	256	328	191	248	392
9500	100	181	113	148	282	137	182	256	328	191	248	393
10000	100	181	113	148	282	137	182	256	328	191	248	393
10500	100	181	113	148	282	137	182	256	328	191	248	393
11000	100	181	113	148	282	137	182	256	328	191	248	393
11500	100	181	113	148	282	137	182	256	328	191	248	393
12000	100	181	113	148	282	137	182	256	328	191	248	393
12500	100	181	113	148	282	137	182	256	328	191	248	393
13000	100	181	113	148	282	137	182	256	328	191	248	393
13500	100	181	113	148	282	137	182	256	328	191	248	393
14000	100	181	113	148	282	137	182	256	328	191	248	393
14500	100	181	113	148	282	137	182	256	328	191	248	393
15000	100	181	113	148	282	137	182	256	328	191	248	393
15500	100	181	113	148	282	137	182	256	328	191	248	393
16000	100	181	113	148	282	137	182	256	328	191	248	393
16500	100	181	113	148	282	137	182	256	328	191	248	393
17000	100	181	113	148	282	137	182	256	328	191	248	393
17500	100	181	113	148	282	137	182	256	328	191	248	393
18000	100	181	113	148	282	137	182	256	328	191	248	393
Lamp off	600	n/a	800	600	n/a	800	500	n/a	n/a	600	550	n/a
Cut in	1100	1850	1200	1100	2500	1200	1050	1800	2500	1100	1050	2300
Cut out	1050	1800	1100	1050	1750	1100	1025	1400	1750	1050	1000	1850

**Amperage reading taken at 13.0 volts**  
**Units in standard form supplied with 2 x connections as standard; B+ / Lamp**  
**Units in high output form 'HO' supplied as standard with 1 x connection; B+**  
**Peak outputs taken at ambient 20° Celsius**  
**Units are warranted up to 18,000RPM**



300 Series Performance Graph

