



**C.E. Niehoff & Co.**  
**BRUSHLESS ALTERNATORS**

**500 Series**  
**600 Series**  
**700 Series**  
**800 Series**

**DESIGNING FOR TOMORROW'S DEMANDS**

## **Series Features**

### **Brushless Design**

All C. E. Niehoff & Co. alternators feature brushless construction. The elimination of brushes and slip rings yields durability, extends service life, eliminates arcing, and reduces Electromagnetic Interference (EMI).

### **High Efficiency**

High efficiency means lower internal alternator operating temperature resulting in longer alternator life. Less engine power needed to produce electric power means more engine power available for other needs.

### **High Output**

The majority of CEN brushless alternators meet or exceed requirements of existing electrical loads at idle, making CEN an ideal choice for fire, coach, and transit applications.

### **Air Cooled**

Because CEN brushless alternators are air cooled, there is no need for an oil circulation system. This eliminates the possibility of oil leaks, hoses, and no waste heat is transferred to the engine.

### **Long Life Bearings**

Sealed bearings contain high temperature grease for extended service life in hot engine compartments.

### **Fuel Savings with More Power**

The reduced mechanical drive required by CEN alternators yields engine fuel savings, more engine power available for other purposes, and less stress on alternator drive components.

### **EMI Suppression**

Certain models feature EMI suppression that meets SAE J1113 specifications.

### **Direct Interchange**

Models with steel cradle mount design are compatible with saddle mounting brackets.

### **Overvoltage Cut Out**

OVCO voltage regulator will turn the alternator off during high voltage conditions, providing protection from voltage transients that threaten sensitive vehicle electronics.

(Not available on all models.)

**500 600 700 800 Series**

### 500 Series

Model	Volt	Amp	Regulator	Mounting
C501	14/28	100	A2-500	SAE J180, 4"
C502	14	300	A2-334	SAE J180, 4"
C503	14	210	A2-215	SAE J180, 4"
C510 <sup>1</sup>	14	280	A2-136	SAE J180, 4"
C522	14	200	A2-215	Pad Mount
C524	14	300	A2-334	Pad Mount
C525	14	600	A2-325	Dual Pad Mount
C530	28	170	A2-217	Pad Mount

1 - External rectifier and regulator sold separately



C510



C613

### 600 Series

Model	Volt	Amp	Regulator	Mounting
A1-608	14	290	A2-121	SAE J180, 4"
C613	14	290	A2-128	SAE J180, 4"
C619	14	340	A2-121	SAE J180, 4"
C620	14	340	A2-128	Custom Hinge 7"
C621	28	220	A2-141	Custom Flange
C623	14	290	A2-128	Custom Hinge 7"
C624	28	240	A2-128	Custom Hinge 7"
C626	28	260	A2-141	Custom Flange
C627	14	340	A2-149/A2-155 <sup>z</sup>	Custom Hinge 7"
C628	14	290	A2-149/A2-155 <sup>z</sup>	Custom Hinge 7"
C653(A)	28	260	A2-146/A2-214 <sup>z</sup>	SAE J180, 4"
C656	14	400	A2-149/A2-155 <sup>z</sup>	Custom Hinge 7"
C657	14	400	A2-155	SAE J180, 4"
C671	14	400	A2-155	Cradle

2 - Call For Application



C653/A

### 700 Series

Model	Volt	Amp	Regulator	Mounting
C701	28	300	A2-213	Cradle
C702D	28	350	A2-332	Cradle/Ducted
C703(A)	28	330	A2-214	Cradle
C704	14/28	125/330	A2-306	Cradle
C704D	14/28	125/330	A2-306	Cradle/Ducted
C706	28	300	A2-214	Custom Hinge 6.9"
C708	28	330	A2-316	Custom Hinge 6.9"
C711	14	360	A2-121	Custom Hinge 7"
C712	14	400	A2-121	Custom Hinge 7"
C714	14	400	A2-155	Custom Hinge 7"
C715	14	360	A2-128	Custom Hinge 7"
C716	14	400	A2-128	Custom Hinge 7"



C703/A



C711/12/14

### 800 Series

Model	Volt	Amp	Regulator	Mounting
C802	28	450	A2-318	Cradle
C802D	28	450	A2-318	Cradle/Ducted
C803D	28	500	A2-330	Cradle/Ducted



C803/D

\*External regulators are sold separately on all alternators

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**500 600 700 800 Series**