L-40 ALTERNATOR

The L-40 is a high-performance belt-driven 40 amp alternator for Lycoming engines. Designed to meet the rigorous demands of weight-sensitive homebuilt designs, the L-40 features a precision-balanced rotor, sealed heavy-duty ball-bearings and 2 internal cooling fans. Weighs 6.1 lbs. and measures 3.9” (diameter) x 5.6” (length). Also includes mounting hardware, belt tension arm, and belt. Applicable to Lycoming O-360 through IO-720 engines.

* L-40 Boss Mount (Wide Deck engine) P/N 07-06815 $378.00
* L-40 Case Mount (Narrow Deck engine), w/ B&C Starter P/N 07-06805 $379.00

L-40 requires an external voltage regulator – see BELOW

B & C LIGHTWEIGHT ALTERNATORS

BC433-H GEAR DRIVEN ALTERNATOR WITH PMR3A

The BC433-H is a 30 amp 14V gear-drive alternator for Continental engines (C-75 through O-300). Featuring a unique brushless design, with a billet aluminum mounting flange and heavy-duty ball-bearings, the BC433-H is an ideal choice for a variety of homebuilt designs. Weighs 4.4 lbs. and measures 4.1” (diameter) x 3.75” (length). Also includes a matching PMR3A Regulator and 505-1 Over-Voltage Protection kit. Sold without the Continental drive gear assembly (customer supplied), and requires the latest revision of the Hub (P/N 07-01327) and Retainer (P/N 07-01328). B&C has a limited supply of used drive gear assemblies, available at additional cost.

BC433-H Alternator P/N 07-00771 $714.00

ACCESSORIES

Generator Coupling (Cont. P/N: 653983) P/N 07-01327 $407.00
Generator Retainer (Cont. P/N: 653982) P/N 07-01328 $27.95

SD-8 ALTERNATOR & REGULATOR

The SD-8 is a lightweight, spline-driven 14V alternator system for aircraft with an available vacuum pump drive path. Features an ultra-quiet, brushless design, with a billet aluminum mounting flange and sealed heavy-duty assembly ball bearings. With a nominal output of 8 amps, the SD-8 alternator is adequate for many day-VFR applications, and may be used as a backup power source on a variety of homebuilt aircraft. The SD-8 is a long-time favorite of top aerobatic pilots around the world. Weighs 2.9 lbs. and measures 3.5” (diameter) x 4.6” (length). Also includes a matching PMRSA Regulator and 505-1 Over-Voltage Protection kit. Suitable for 14 volt or 28 volt applications, the BC462-H is a dynamically-balanced rotor (a B&C quality essential), and a special “shear section” drive coupling. Suitable for 14 volt or 28 volt applications, the BC462-H is designed for aircraft-style external control, and may be used as either a Primary or a Standby Alternator, depending on the electrical system configuration (see note below). Includes mounting gasket and pre-wired field connector assembly. Weight: 6.75 lbs. P/N 07-01785 $659.00

NOTE: L-40, BC460-H, BC461-H, BC462-H alternators require external regulation. See note below for exceptions. B & C alternators are also available without the controllers – use: P/N 07-06742 (LR3C) for 14V Primary, P/N 07-06786 (LS-1A) for 28V Primary, P/N 07-03461 (SB1B-14) for 14V Standby, and P/N 07-03462 (SB1B-28) for 28V Standby.

BC410-H ALTERNATOR

The BC410-H is the original high-performance spline-driven alternator that mounts on a standard vacuum pump accessory adapter. It may be used either as a primary or a stand-by alternator for a nominal output of 20 to 30 amps, depending on engine RPM. Designed for many hours of durable service, the BC410-H features a dynamically-balanced rotor, heavy-duty sealed ball-bearings, 2 internal cooling fans, and a special “shear section” designed into the drive coupling. The BC410-H is externally-regulated, and may be used in either 14 or 28 volt homebuilt aircraft using our LR3C-14 (14V), LS-1A (28V), or SB1B (14V or 28V) Controllers. Measures 4.6” (diameter) and 6.0” (length), and weighs 5.75lbs. The BC410-H will clear a stock tachometer cable on Lycoming engines, as well as B&C Oil Filter Adapter.

* BC410-H Alternator P/N 07-06771 $499.00

200G ALTERNATOR & REGULATOR

The 200G is a 12 amp 14V gear-drive alternator for Continental engines (C-75 through O-300). Features a ultra-reliable, brushless design, with a billet aluminum mounting flange and heavy-duty ball-bearings. Used in the prototype Vari-Eze, as well as many Cassuts, Q-200s, and other homebuilt aircraft, the 200G has been in production for over 30 years, with many systems still in service. With a nominal output of 12 amps, the 200G will support a modest night-VFR-night-voltage system. Measures 4.4” (diameter) and 3.8”(length), and weighs 3.4 lbs.

* 200G Alternator P/N 07-06575 $540.00
* New Drive Gear P/N 07-06500 $1,116.00

B & C PERMANENT MAGNET ALTERNATOR OVER-VOLTAGE (PM/OV) KITS

The PM/OV Kit is designed to provide over-voltage protection to homebuilt aircraft electrical systems using a permanent magnet alternator. Features a solid-state “crowbar” over-voltage protection module, relay, filter capacitor, precision ballast lamp, and wire terminals. Included with all new B&C Permanent Magnet Alternator systems.

* 504-1 20A PM/OV Kit (14 Volt) P/N 08-00658 $67.75
* 504-2 20A PM/OV Kit (28 Volt) P/N 07-00708 $64.99
* 505-1 40A PM/OV Kit (14 Volt) P/N 07-03488 $76.75

ACCESSORIES

Generator Boss Mount P/N 07-17981 $539.00
* B&C LS-1A Alternator P/N 07-17982 $529.00
* B&C LR3C-14 Regulator/Controller (14V) $378.00

Prices Subject to Change Without Notice

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