



## Curtis 1238-7601 HPEVS AC-50 Brushless AC Motor Kit - 96 Volt



### Overview

The AC50 is an AC motor that operates at 72-108V. It can draw up to 650A producing up to 71 HP (53 kW) and 120 ft-lbs (163 Nm) of torque. This kit works very well in a medium sized cars and lightweight vehicles. Features regenerative braking and idle function as well. At a modest 130 controller volts it makes a safer low voltage system that will give you lots of reliable EV miles.

#### Quick Specs

- **Weight: 115 lbs**
- **Motor Case Length: 13.798 Inches**
- **Motor Type: Ac Induction Brushless**
- **Max Voltage Input: 130V**
- **Rated Torque: 120 ft lbs**
- **Rated Horsepower: 71 HP**
- **Max RPM: 10,000**

#### Kit Contents

- **HPEVS AC34 Motor**
- **Curtis 1238-7601 Controller**
- **35 Pin Connector and Wire Harness**
- **Gigavac GV200-QA Contactor**
- **12 Volt HV Relay**
- **Curtis 840 Dash Gauge**
- **SPST Menu Button**
- **SPST Mode Switch**

# Specifications – Curtis 1238-7601 HPEVS AC-50 Brushless AC Motor Kit - 96 Volt

- **Motor Face:** B-Face
- **Motor Diameter:** 8.9 Inches
- **Motor Case Length:** 13.798 Inches
- **Motor Shaft Length:** 2.0 Inches
- **Motor Shaft End to End Length:** 17.5 Inches
- **Motor Type:** AC Induction Brushless
- **Weight:** 115 lbs
- **Max Voltage Input:** 130
- **Terminal Stud Size:** 3/8 Inch
- **Integrated Sensors:** Encoder
- **Rated Torque:** 120 Lb Ft
- **Rated Power:** 71 HP
- **Max RPM:** 10,000
- **RPM Sensor:** Yes
- **Drive End Shaft:** 1-1/8 Inch with 1/4 Inch Keyway
- **Accessory End Shaft:** Optional 7/8 Inch with 3/16 keyway
- **Max Efficiency:** 88%
- **Thermal Cooling:** Internal Fan
- **Max Temperature:** 180 Degrees Celsius

