



Curtis 1238-6501 HPEVS AC-34 Brushless AC Motor Kit - 72 Volt



Overview

The AC-34 is an AC motor that operates at 48-80V. It can draw up to 550A producing up to 48 HP (36 kW) and 108 ft-lbs (147 Nm) of torque. This kit works very well in medium sized cars & lightweight vehicles. Features include regenerative braking as well as an idle function. At 72 volts, it makes a safer low voltage system that will give you lots of reliable EV miles.

Quick Specs

- **Weight:** 85 lbs
- **Motor Case Length:** 12.8"
- **Motor Shaft Length:** 2"
- **Max Voltage Input:** 80V
- **Rated Torque:** 108 ft lbs
- **Rated Horsepower:** 48 HP
- **Max RPM:** 10,000

Kit Contents

- HPEVS AC34 Motor
- Curtis 1238-6501 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 1238-6501 HPEVS AC-34 Brushless AC Motor Kit - 72 Volt

- **Motor Face:** B-Face
- **Motor Diameter:** 8.9 Inches
- **Motor Case Length:** 12.8 Inches
- **Motor Shaft Length:** 2.0 Inches
- **Motor Shaft to End Length:** 14.8 Inches
- **Motor Type:** AC Induction Brushless
- **Weight:** 85 lbs
- **Max Voltage Input:** 80
- **Terminal Stud Size:** 5/16 Inch
- **Integrated Sensors:** Encoder and Temperature
- **Rated Torque:** 108 Lb Ft
- **Rated Power:** 48 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:** 0.92
- **Thermal Cooling:** Internal Fan
- **Max Temperature:** 180 Degrees Celsius

