



Curtis 1236SE-5621 HPEVS AC-20 Brushless AC Motor Kit - 48 Volt



Overview

The AC20 is an AC induction motor that operates at 40-60V. It can draw up to 650A producing a peak of 35 HP (26 kW) and 82 ft-lbs (111 Nm) of torque out to 5100 RPM. This kit works very well in a small sized vehicles, Karts and Motorcycles. Features regenerative braking and idle function as well. At a modest 48 volt controller voltage it makes a safer low voltage system that will give you lots of reliable EV miles.

Quick Specs

- **Weight:** 60 lbs
- **Motor Case Length:** 11.35"
- **Motor Shaft Length:** 2"
- **Max Voltage Input:** 60V
- **Rated Torque:** 82 ft lbs
- **Rated Horsepower:** 27 HP
- **Max RPM:** 10,000

Kit Contents

- HPEVS AC20 Motor
- Curtis 1236-5621 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-20 Brushless AC Motor Kit - 48 Volt

- **Motor Face:** C-Face
- **Motor Diameter:** 6.9 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:** 60 lbs
- **Max Voltage Input:** 60V
- **Terminal Stud Size:** 3/8 Inch
- **Integrated Sensors:** Encoder and Temperature
- **Rated Torque:** 82 Lb Ft
- **Rated Power:** 35 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

