

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



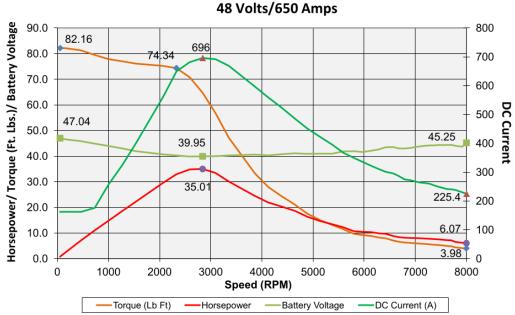
## Overview

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	Kit Contents
<ul> <li>Weight: 60 lbs</li> <li>Motor Case Length: 11.35"</li> <li>Motor Shaft Length: 2"</li> <li>Max Voltage Input: 60V</li> <li>Rated Torque: 82 ft lbs</li> <li>Rated Horsepower: 27 HP</li> <li>Max RPM: 10,000</li> </ul>	<ul> <li>HPEVS AC20 Motor</li> <li>Curtis 1236-5621 Controller</li> <li>35 Pin Connector and Wire Harness</li> <li>Gigavac GV200-QA Contactor</li> <li>12 Volt HV Relay</li> <li>Curtis 840 Dash Gauge</li> <li>SPST Menu Button</li> <li>SPST Mode Switch</li> </ul>

## 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



## HPEVS AC-20 Imperial Peak Graph