



Curtis 1238-7601 HPEVS AC-20 Brushless AC Motor Kit - 96 Volt



Overview

The AC20 is an AC induction motor that operates at 72-130V. It can draw up to 650A producing a peak of 65 HP (49 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 130 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:** 12.49"
- **Motor Type:** AC Induction Brushless
- **Max Voltage Input:** 80V
- **Rated Torque:** 69 ft lbs
- **Rated Horsepower:** 47 HP
- **Max RPM:** 10,000

Kit Contents

- **HPEVS AC20 Motor**
- **Curtis 1238-7601 Controller**
- **35 Pin Connector and Wire Harness**
- **12 Volt HV Relay**
- **Curtis 840 Dash Gauge**
- **SPST Menu Button**
- **SPST Mode Switch**

Specifications – Curtis 1238-7601 HPEVS AC-20 Brushless AC Motor Kit - 96 Volt

- **Motor Face:** C-Face
- **Motor Diameter:** 6.940 Inches
- **Motor Case Length:** 11.35 Inches
- **Motor Shaft Length:** 2.0 Inches
- **Motor Shaft End to End Length:** 11.35 Inches
- **Motor Type:** AC Induction Brushless
- **Weight:** 60 lbs
- **Max Voltage Input:** 129V
- **Terminal Stud Size:** 3/8 Inch
- **Integrated Sensors:** Encoder and Temperature
- **Rated Torque:** 82 Lb Ft
- **Rated Power:** 65 HP
- **Max RPM:** 10,000
- **RPM Sensor:** Yes
- **Drive End Shaft:** 7/8 Inch with 3/16 Inch Keyway
- **Accessory End Shaft:** N/A
- **Max Efficiency:** 88%
- **Thermal Cooling:** Internal Fan
- **Max Temperature:** 180 Degrees Celsius

