

Overview

* The Solectria AC55 is a single output, 78kW 3-phase AC induction motor with a nominal speed of 2.5k rpm and a maximum speed of 8k rpm.

Applications and Features

The Solectria AC55 motor is design to power shuttle buses and medium duty trucks using dual motors, and light-duty trucks using a single motor.

- * High-efficiency brushless design
- * Sealed motor casing
- * Compact, lightweight construction
- * Low rotating losses
- * Low electrical resistance
- * Cost effectiveness and high reliability

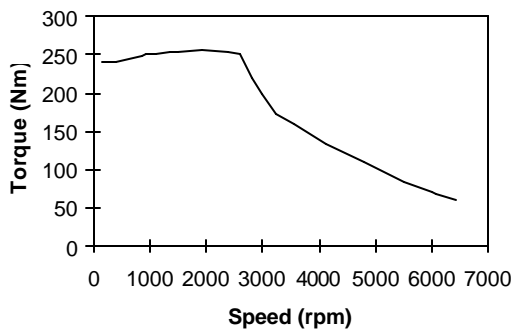
When used in conjunction with a Solectria UMOC, the motor functions as an "electronic transmission," eliminating the need for a multi-speed gearbox. It also can directly drive a vehicle's wheels with a fixed ratio.

Available and Custom Options

- * Power and sensor lead and length options (Standard, 4ft)
- * Customized features such as end bells and shafts are based on customer specifications
- * Interface package includes mating connectors (not required if purchasing a Solectria motor controller)

An engineering fee applies to all custom orders.

**Torque-Speed Envelope
AC55 with UMOC440TF @ 312VDC**

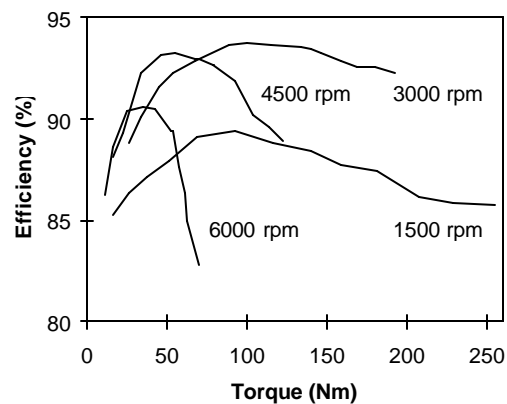


Specifications

Peak Torque	240Nm
Maximum Current	250A rms
Continuous Torque	55Nm
Continuous Power	34kW
Peak Efficiency	93%
Motor Controller	UMOC440TF
Peak Electrical Power	78kW
At Voltage of	312 VDC
Nominal Speed	2.5k rpm
Maximum Speed	8k rpm
Weight	106.3kg
Diameter	343mm
Length*	432 to 447mm

*Depending on end bells and options

**Efficiency vs. Torque
AC55 with UMOC440TF @ 312 VDC**



Solectria AC55

