



750 R Electric Motors

Product Sheet



Overview

YASA's 750 R delivers higher torque and power densities than any other motor in its class.

Ideal for traction, generation and hydraulic replacement applications, the YASA 750 R is a lower speed / higher torque electric motor. It delivers 700Nm of peak torque, 200kW of peak power and a speed range of 0-3250 rpm within an axial length of just 98mm.

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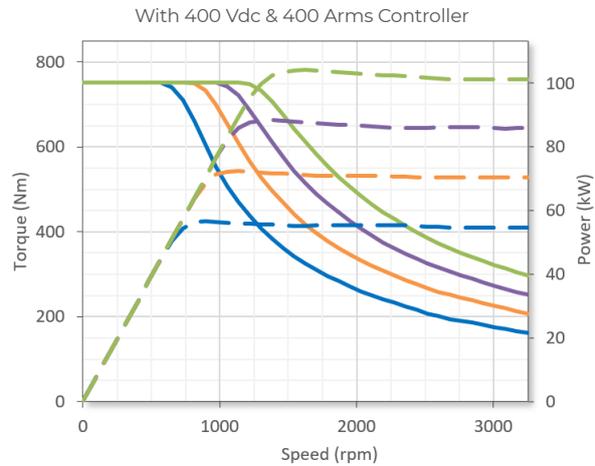
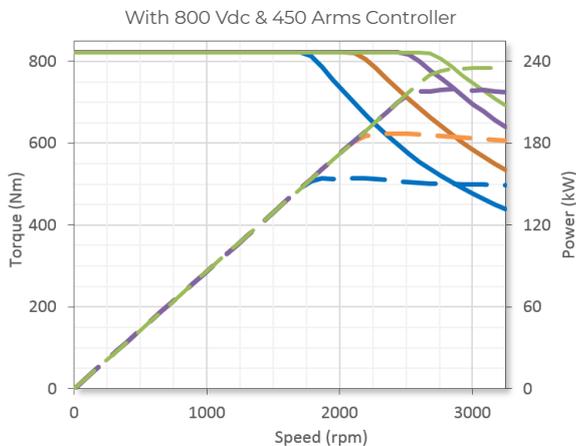
Key Specifications

Peak Torque @ 450 Arms	790 Nm
Peak Power @ 700 V _{DC}	200 kW
Peak Power @ 400 V _{DC}	100 kW
Continuous Torque (40 °C coolant)	400 Nm

Continuous Power @ 3000 rpm (40 °C coolant)	Up to 70 kW
Speed	0 – 3250 rpm
Peak Efficiency	>95%
Mass	37 kg

Technology

- Best-in-class torque and power density.
Peak power density >5 kW/kg
- Dimensions just 368mm (D) x 98mm (L)
- Through-shaft mounting, may be stacked for increased torque and power
- Integrated position and temperature sensors



Notes

Specifications are based on dynamometer test data with coolant at 60 °C (inlet), 20 L/m and in a 30 °C ambient unless stated otherwise.

Actual performance will vary with drive cycle, cooling and installation details.

For full product details, please contact sales@yasa.com detailing your motor and controller requirements.

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