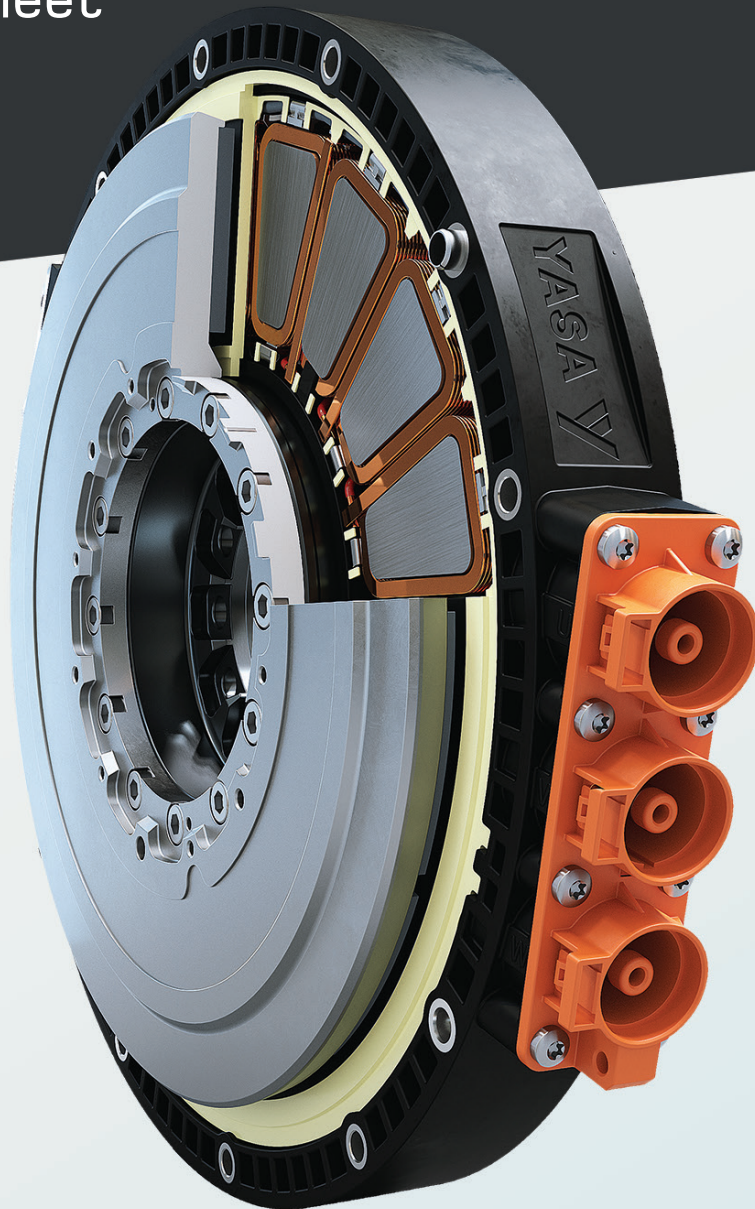




P400 R Electric Motors

Product Sheet



Overview

The P400R e-motor provides a versatile range of torque and power combinations, allowing powertrain designers to optimise performance across different applications.

With exceptional peak performance in a lightweight package, the P400R offers best-in-class torque and power densities, and a variety of mechanical and cooling options.

The P400R is designed for simple integration across applications including, marine, traction, generation, hydraulic replacement and P2 Hybrid EV.

P400R Electric Motors



The P400R is the versatile backbone of the P400 Series and offers exceptional peak performance in a lightweight sealed package. The RS model is the first choice for simplified integration into automotive, off-road and marine traction and hybridisation programs.

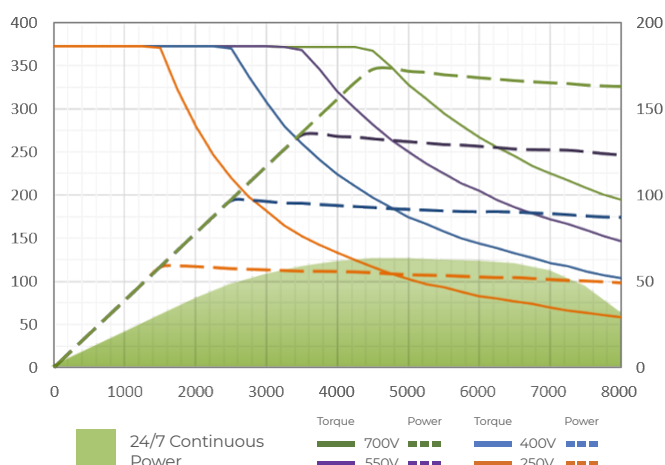
Mechanical P400 R

Casing Diameter	305 mm
Mounting 8x $\varnothing 8.3$	294 mm PCD
Axial length	106.7 mm
Dry Mass	28.2 kg
Stator Cooling	Oil (24kg, P400X)

Electrical P400 R

Peak Torque @450 A	up to 370 Nm
Continuous Torque	up to 200 Nm
Peak Power @700V	160 kW
Continuous Power	up to 60 kW
Maximum Speed	8000 rpm

Example Electrical Performance with 800V controller
@450A_{RMS} **P400 R**



The specified P400R performance is based on dynamometer test data. The performance available in your application may be different and will depend on drive cycle and installation details. Please contact us for detailed information.

Peak data at 60°C rotor, 60°C coolant inlet @20 ltrs/min and 60°C ambient

Continuous ratings at coolant inlet <50°C @20 ltrs/min, <30°C ambient.

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

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