Overview

The P400 R 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 P400 R offers best-in-class torque and power densities, and a variety of mechanical and cooling options.

The P400 R is designed for simplified integration across applications including traction, generation, hydraulic replacement and P2 Hybrid.
P400 R Electric Motors

The P400 R is the versatile backbone of the P400 R 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 Ø8.3**: 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

The specified P400 R 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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