



P400



特徴

- ・ 同クラスにおいて最少かつ最軽量です。
- ・ より少ない材料をより効率よく使用し、同種の電動機または発電機よりも高いトルクおよび出力密度を達成します。

製品仕様

最大トルク	390N
連続トルク	300Nm以下
最大出力	160kW以下
連続出力	20kW～100kW
回転数	0～7500rpm
最大効率	96%
質量	24kg

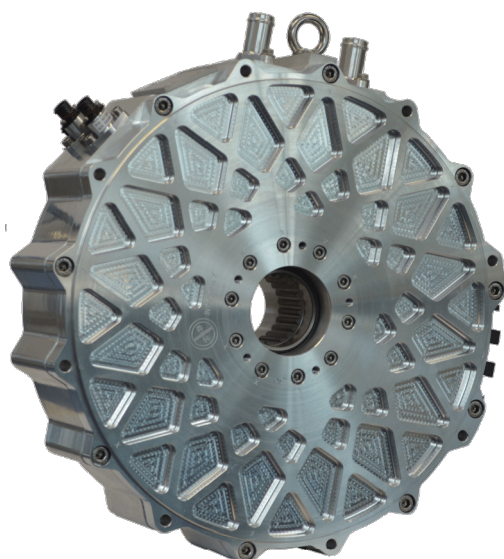
お問い合わせ

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750R



特徴

- YASA 750 Rは、駆動用、発電用、油圧置き換え用等のアプリケーションに最適な、低速/高トルクのモータです。
- 軸方向長さ98mmで、ピークトルク700Nm、ピークパワー200kW、回転数0-3250rpmを実現しました。

製品仕様

最大トルク	790N
連続トルク	400Nm以下
最大出力	200kW以下
連続出力	70kW
回転数	0～3250rpm
最大効率	> 95%
質量	37kg

お問合せ

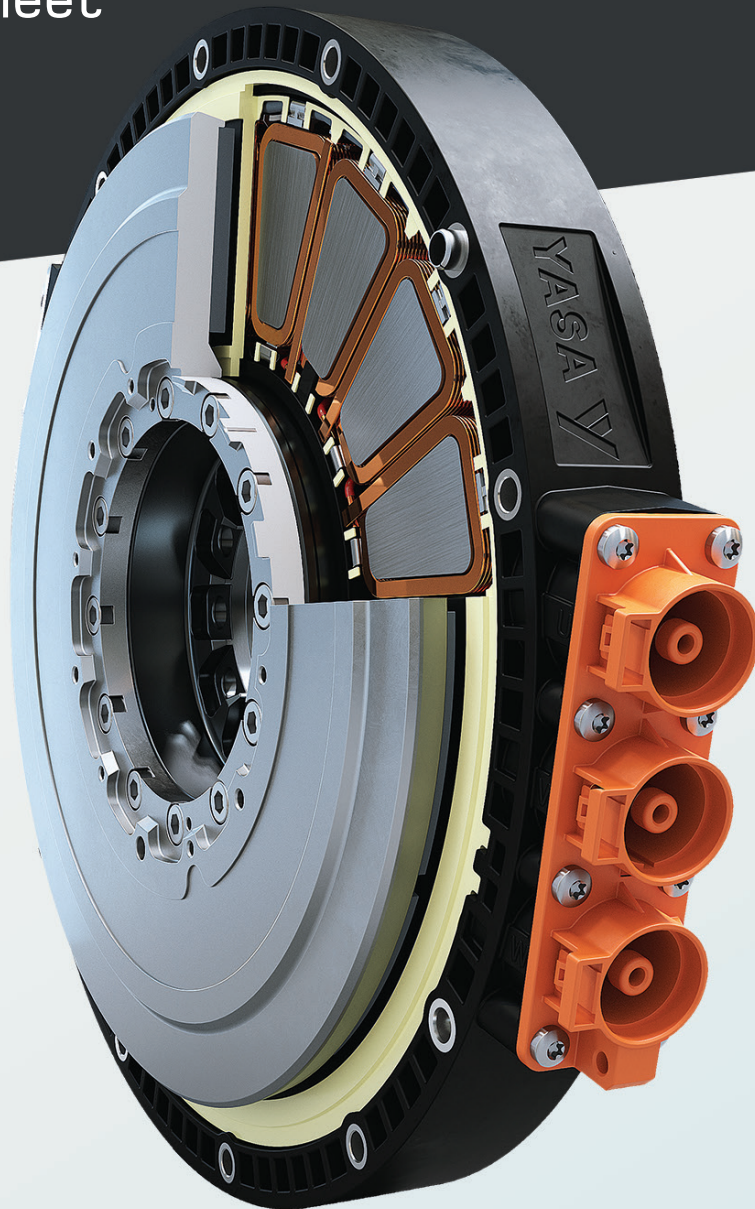
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P400 R Electric Motors

Product Sheet



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.

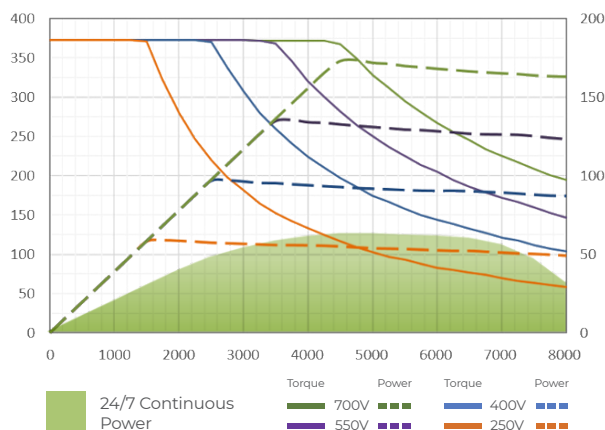
Mechanical P400 R

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

Example Electrical Performance with 800V controller
@450ARMS **P400 R**



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.

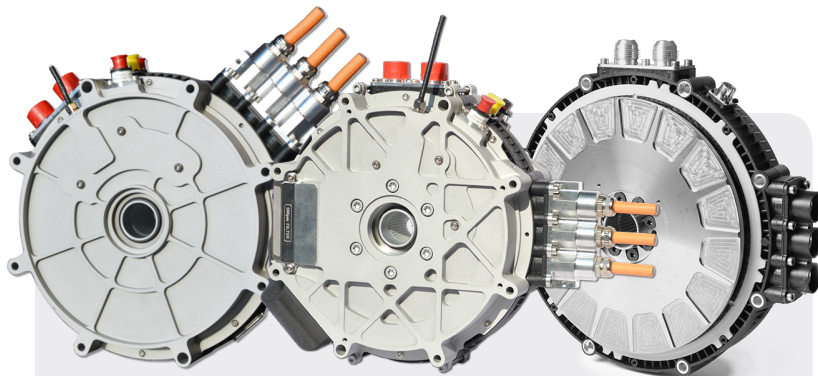
Peak data at 60°C rotor, 60°C coolant inlet
@20 ltrs/min and 60°C ambient

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.

www.yasa.com

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P400 R
Specifications
as above

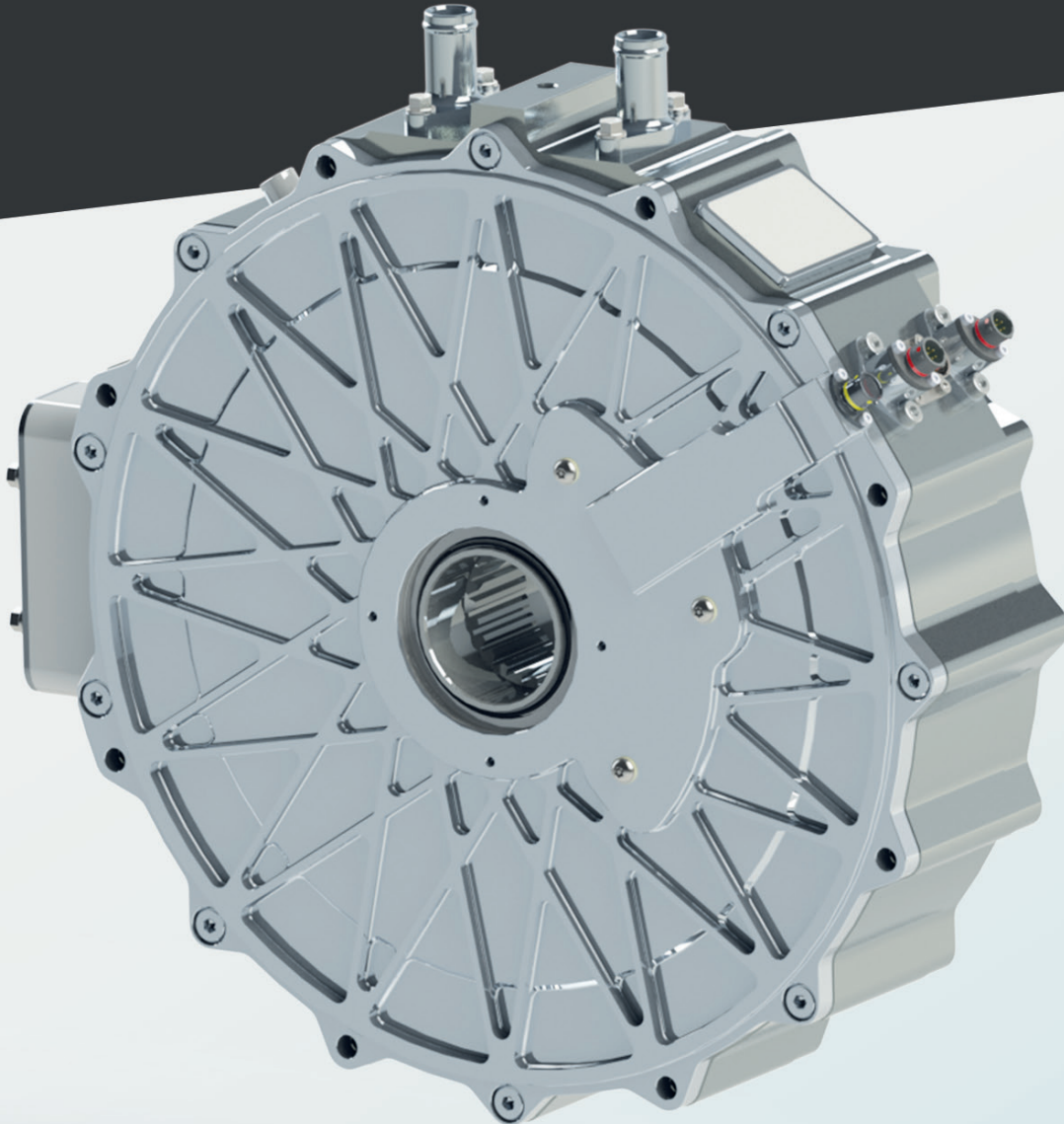
P400 R
High continuous
output
Up to 100 kW

P400 C
Cartridge axial
length 80.4mm
Dry mass 24kg



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.

750 R Electric Motors



Key Specifications

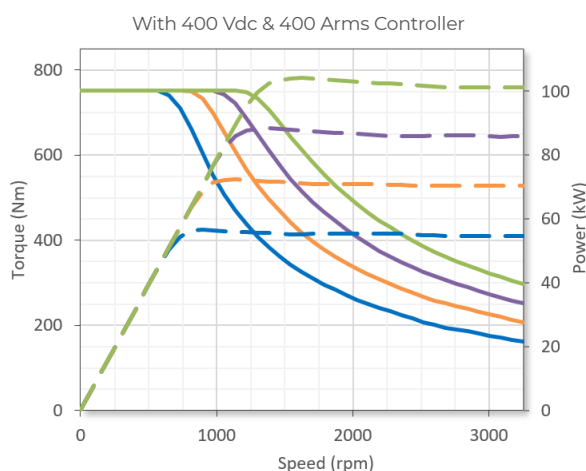
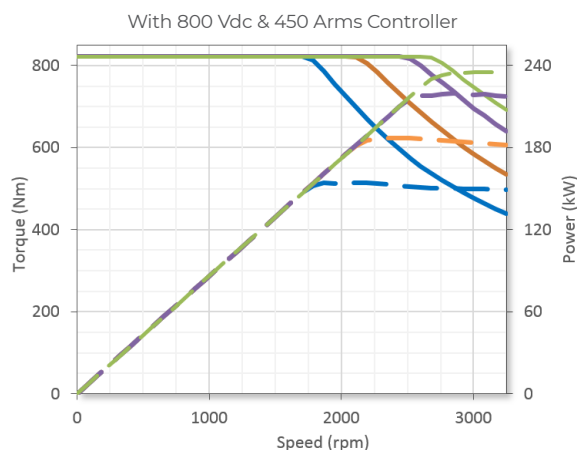
Peak Torque @ 450 Arms	790 Nm
Peak Power @ 700 V _{DC}	200 kW
Peak Power @ 400 V _{DC}	100 kW
Continuous Torque (40 °C coolant)	400 Nm

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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