



# SYR 200 series Synchronous Reluctance Motors

## Benefits

- Applicable to Traction, Pump and other Applications
- Efficiency close to a Permanent Magnet motors, without magnets
- Up to 25% more Nom. Power in the footprint of same size of ASY 200 motors
- Rugged as an AC Induction Motor with High Overload / Thermal Capacity
- Motor Speed & Torque Range similar to ACIM technology / Max. Speed to Nom. Speed ratio of up to 4.
- Negligible Cogging Torque
- Cost close to an ACIM motor
- Seamless integration with TM4 inverters product lines.

## Key product data

- Voltage range<sup>1</sup>: 24V - 96V
- Peak torque range: up to 200 Nm
- Cont. power: Up to 20 kW
- Peak power capability: up to 50 kW
- Max. operating speed: 6,000 RPM
- Integrated Sin/Cos Encoder
- Multiple Mechanical Interfaces available

1) Voltage Range: Nom. Vehicle DC supply voltage range.



[Dana.com/TM4](http://Dana.com/TM4)

### Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana TM4; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.