TM4 SUMO™ MD
Motor / Inverter System

Features
- Peak power: Up to 265 kW
- Peak torque: Up to 3,255Nm
- Max operating speed: 3,700 RPM

Benefits
- High torque/low speed permanent magnet motor and inverter combinations
- Designed to interface with standard differentials and/or gearboxes and/or e-axles
- Seamless integration into Dana products

Ideal for Class 2 to 6 Commercial Vehicles, Light to Medium Bus Platforms and Off-Highway Applications.
TM4 SUMO™ MD Motor / Inverter System

The TM4 SUMO MD systems are designed to interface directly with standard rear differentials and/or gearboxes and/or e-Axles. It makes this series perfect for class 2 to 6 commercial vehicles and light to medium bus platforms.

Motor Features
- Proven permanent magnet technology for optimal efficiency
- Outer rotor topology for maximum torque density
- Low electro-magnetic audible noise
- Low-cogging and ripple torque for better NVH
- Four-quadrant operation
- Double-ended shaft option

Inverter Features
- 3-phase or 6-phase high voltage inverter
- Variable switching frequency
- Reflex™ gate driver technology for high power and current densities
- EMI Filter
- Best-in-class power density
- High efficiency

Standards
- System protection: IP 6K9K
- Automotive components: AEC-Q100/AEC-Q101/AEC-Q200
- Electromagnetic compatibility EMC: Main automotive intl standards
- Shock and vibration standards: GMW3172 Sprung masses
- Max coolant inlet temperature: 65°C
- Coolant type: 40/60 water-glycol

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>Casing size</th>
<th>Inverter</th>
<th>Peak power</th>
<th>Continuous power</th>
<th>Peak torque</th>
<th>Continuous torque</th>
<th>Max operating speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUMO MD HV1500-3P</td>
<td>L1</td>
<td>CO150</td>
<td>162 kW</td>
<td>100 kW</td>
<td>1590 Nm</td>
<td>680 Nm</td>
<td>3250 RPM</td>
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<td>100 kW</td>
<td>1775 Nm</td>
<td>680 Nm</td>
<td>3250 RPM</td>
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<tr>
<td>SUMO MD HV2200-3P</td>
<td>L2</td>
<td>CO150</td>
<td>215 kW</td>
<td>145 kW</td>
<td>2430 Nm</td>
<td>1275 Nm</td>
<td>2700 RPM</td>
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<tr>
<td>SUMO MD MV2500-6P</td>
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<td>CO200</td>
<td>230 kW</td>
<td>115 kW</td>
<td>2500 Nm</td>
<td>1140 Nm</td>
<td>3000 RPM</td>
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<tr>
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<td>CO200</td>
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<td>130 kW</td>
<td>2150 Nm</td>
<td>685 Nm</td>
<td>3500 RPM</td>
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<tr>
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<td>CO200</td>
<td>235 kW</td>
<td>145 kW</td>
<td>3100 Nm</td>
<td>1055 Nm</td>
<td>3000 RPM</td>
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<td>120 kW</td>
<td>2300 Nm</td>
<td>605 Nm</td>
<td>3500 RPM</td>
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<tr>
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<td>CO200</td>
<td>255 kW</td>
<td>190 kW</td>
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<td>990 Nm</td>
<td>3700 RPM</td>
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<td>CO200</td>
<td>265 kW</td>
<td>155 kW</td>
<td>2760 Nm</td>
<td>970 Nm</td>
<td>3500 RPM</td>
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</tbody>
</table>

Specifications are subject to change

600 Vdc, 30 seconds, 45°C / 150 Vdc, 30 seconds, 45°C
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.

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