

TM4 SUMO™ HD Motor / Inverter System

Features

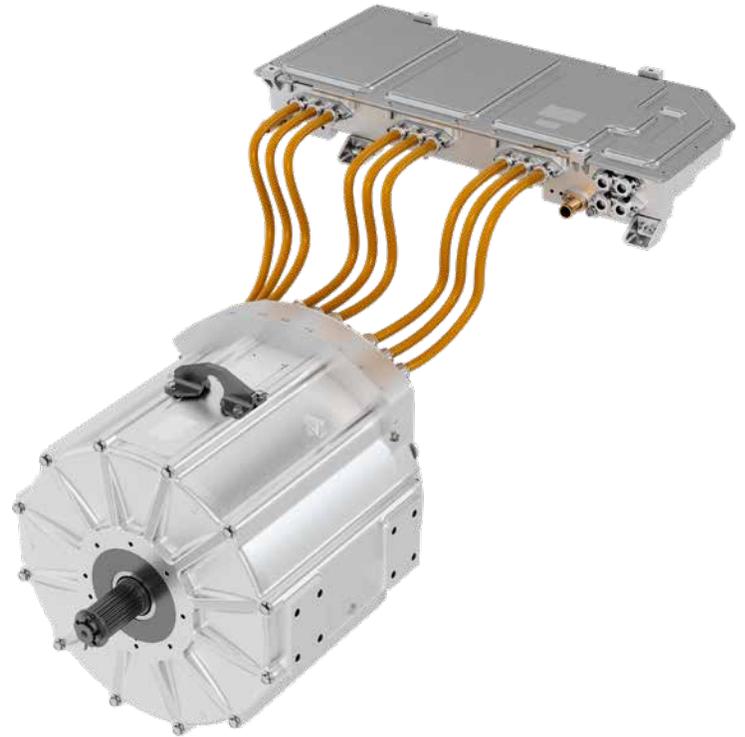
- Peak power: Up to 475 kW
- Peak torque: Up to 4000 Nm
- Max operating speed: 3400 RPM

Benefits

- High torque/low speed permanent magnet motor and inverter combinations
- Designed to interface directly with standard axles (no gearbox required)

Standards

- System protection: IP67 / IP6K9K
- Automotive components: AEC-Q100 / AEC-Q101 / AEC-Q200
- Electromagnetic compatibility EMC: Main automotive international standards
- Shock and vibration standards: GMW3172 Sprung masses
- Max coolant inlet temperature: 65°C
- Toxic materials and flammability: ROHS, ELV, UL94-V0
- External corrosion resistance: Salt mist, chemical products



Ideal for Heavy-Duty Commercial Vehicle Platforms, Bus Platforms, and Off-Highway Applications.



TM4 SUMO™ HD Motor / Inverter System

The TM4 SUMO HD systems are designed to interface directly with standard axles (no gearbox required). Its direct drive / gearless approach makes it the perfect match for any heavy-duty commercial vehicle platforms, bus platforms, and off-highway applications.

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
- Thermal protection

Inverter Features

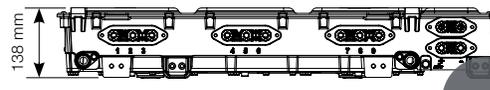
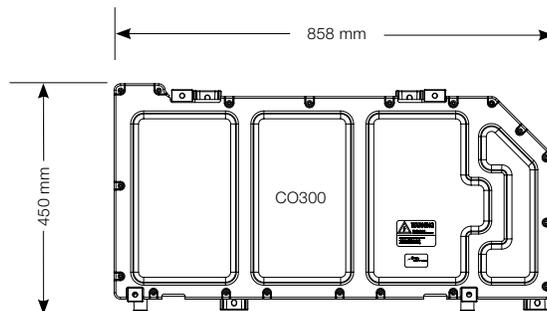
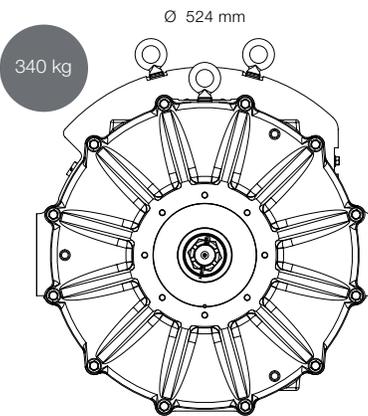
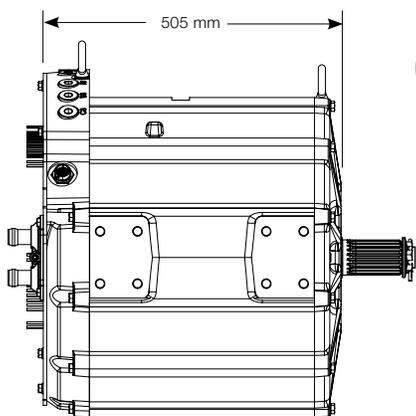
- 9-phase high-voltage inverter
- Variable switching frequency
- Reflex™ gate driver technology for high power and current densities
- EMI Filter
- Best-in-class power density
- High efficiency

Latest System Features **NEW**

- Voltage options: 750 V & 800 V
- Quick Connect option with HVIL for safe and easy installation or maintenance
- KITAS option available on demand

System	Inverter	Peak Power	Continuous Power	Peak Torque	Continuous Torque	Max Operating Speed	Voltage Range
SUMO HD HV3500-9P	CO300	370 kW	260 kW	3445 Nm	1970 Nm	3400 RPM	300-750 Vdc
SUMO HD HV3500-9P* <i>NEW</i>	CO300	475 kW	260 kW	3415 Nm	1970 Nm	3400 RPM	300-800 Vdc
SUMO HD HV4000-9P <i>NEW</i>	CO300	250 kW	197 kW	4000 Nm	2090 Nm	2450 RPM	300-750 vdc

600 Vdc, 45°C / *650 Vdc, 45°C
Specifications are subject to change



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Application Policy

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