

# MPP270A

## PMAC Traction Motor

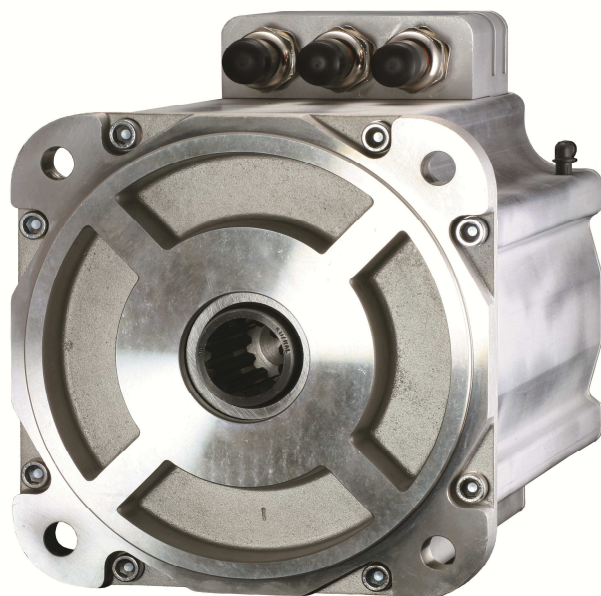


## Description

The MPP270A PMAC Traction motor is a high performance and high torque electric machine.

Speed and torque points can be optimized for your voltage requirements.

Parker's unique dual cooling configuration features patent-pending internal cooling technology that increases power significantly.



## Contact Information

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<http://hev.parker.com>



## Product Features

- Patent-pending internal cooling
  - Increases cont. power by 70% over external only
- Male or female spline shaft
- 55,000 hours of life
- 95% efficiency
- Highest continuous power density available
- Windings optimized for any voltage up to 750VDC

**ENGINEERING YOUR SUCCESS.**

# Specifications

## Performance Ratings

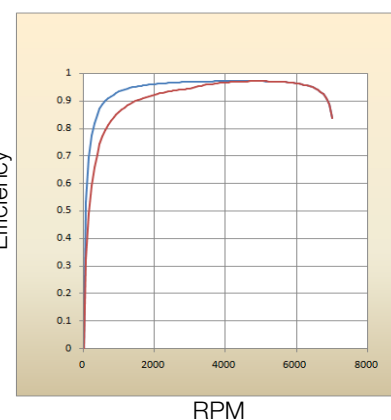
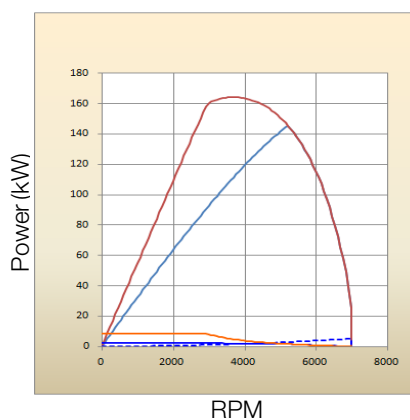
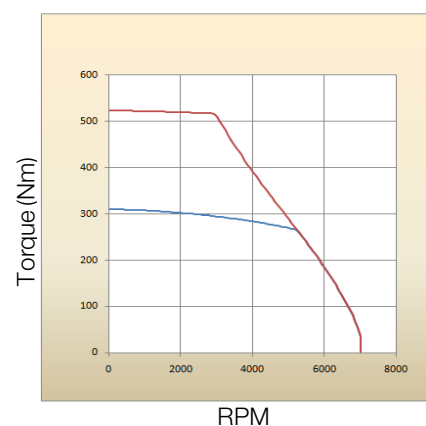
Description	Units	MPP270A
Stall Torque Continuous	Nm	311
Max Speed	rpm	7000
Peak Torque	Nm	523
Peak Output Power	kW	164
Rated Speed	rpm	5231
Rated Shaft Output Power	kW	145
Max DC bus Voltage	VDCmax	750
Ambient Temp at Rating	°C	50
Max Winding Temp	°C	155
Motor Weight	kg	113

## Dimensions

	Units	MPP270A
Cross Section	mm	270
Stator Length	mm	450
Shaft Diameter	mm	48

## Cooling

	Units	50/50 Water Glycol	Oil
Cooling Type	-	Dual Cooling	Dual Cooling
Flow Rate	l/min	8l/min	8l/min
Pressure Drop	kPa	6.9 kPa	69kPa
Inlet Temp	C	50-70	<70



Performance using Parker Frame 5 Traction Inverter @ 650VDC with cooling at 50C. 350VDC and other voltages available. Specifications may vary.

## How to order?

Contact Parker to order the MPP270A traction motor. Our engineering team can send you detailed performance specifications and data tailored to your speed-torque requirements prior to order placement

## Typical Applications

- Medium Duty Traction Motor
- Output Generator for Range Extenders
- Heavy Duty Electro-hydraulic Actuation



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