

MPP270C

PMAC Traction Motor

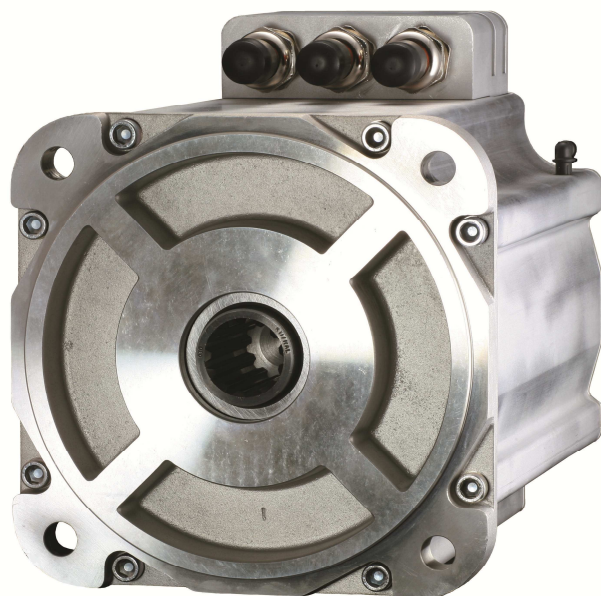


Description

The MPP270C 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

Parker Hannifin Corporation
EMN Division
5500 Business Park Drive
Rohnert Park, CA 94928

Tel: +1 (707) 584-7558

<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

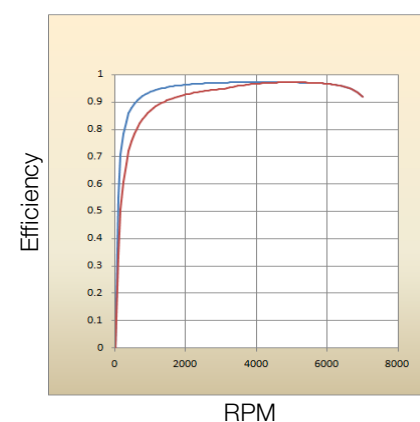
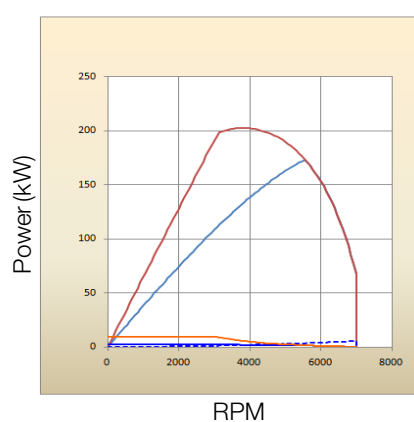
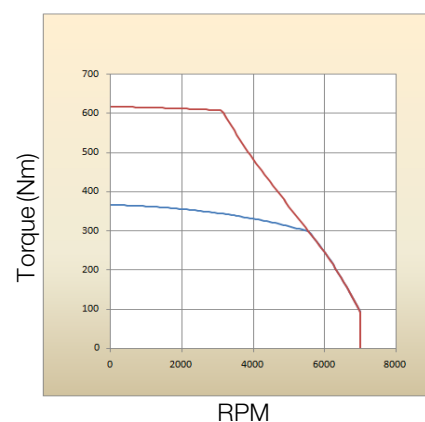
Description	Units	MPP270C
Stall Torque Continuous	Nm	365
Max Speed	rpm	7000
Peak Torque	Nm	617
Peak Output Power	kW	203
Rated Speed	rpm	5538
Rated Shaft Output Power	kW	173
Max DC bus Voltage	VDCmax	750
Ambient Temp at Rating	°C	50
Max Winding Temp	°C	155
Motor Weight	kg	131

Dimensions

	Units	MPP270C
Cross Section	mm	270
Stator Length	mm	500
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 MPP270C 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



Parker Hannifin Corporation
Electromechanical Division – North America
5500 Business Park Drive
Rohnert Park, CA 94928 USA
Tel: +1 (707) 584 7558

<http://hev.parker.com>