



Contact Us

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Motor Disclaimer

This version of Parker's ePump and eMotor Sizing Assistant does not consider the motor's back-EMF, or account for field-weakening or potential 3PS events associated with inverter fault modes. Please consult a Parker application engineer with assistance if you need to evaluate all potential operating conditions.

eMotor Model

eMotor Part Number: K064300-3Y_

System Configuration

Nominal Voltage: 48 VDC

Current Limit:

Thermal Conditions: K064 Housed in a motor frame. Typically an aluminum cylinder with 0.250in thick walls, mounted to a 6in x 6in x 0.5in aluminum plate

Mechanical Limits

Max Length Over All: -

Max Diameter: 190 mm





Performance Inputs

User Points:

Torque	RPM	Power	Cont / Peak
1.89 Nm	1800 RPM	0.36 kW	CONT



Performance Output

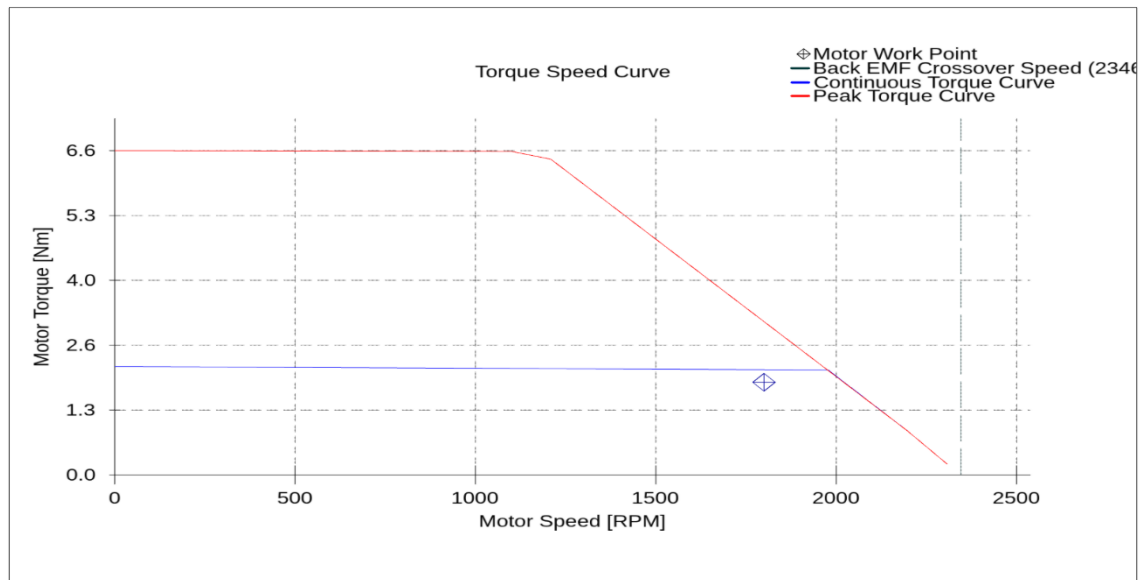
Motor Part Number: K064300-3Y_

Parameter	Continuous Motor Data	Peak Motor Data
No Load Speed (RPM)	2307 RPM	2307 RPM
Stall Torque (Nm)	2.212 Nm	6.614 Nm
Current at Stall (AmpRMS)	9.36 AmpRMS	29.577 AmpRMS
Max Power (kW)	0.443 kW	0.815 kW
Torque at Max Power (Nm)	2.139 Nm	6.44 Nm
Speed at Max Power (RPM)	1978 RPM	1208 RPM
Current at Max Power (AmpRMS)	9.103 AmpRMS	28.755 AmpRMS
Voltage Const (Vrms/krpm)	14.467 Vrms/KRPM	14.467 Vrms/KRPM
Thermal Conditions	K064 Housed in a motor frame. Typically an aluminum cylinder with 0.250in thick walls, mounted to a 6in x 6in x 0.5in aluminum plate	K064 Housed in a motor frame. Typically an aluminum cylinder with 0.250in thick walls, mounted to a 6in x 6in x 0.5in aluminum plate
Performance Margin (%)	13.53%	-

Performance Output Charts

Motor Part Number: K064300-3Y_

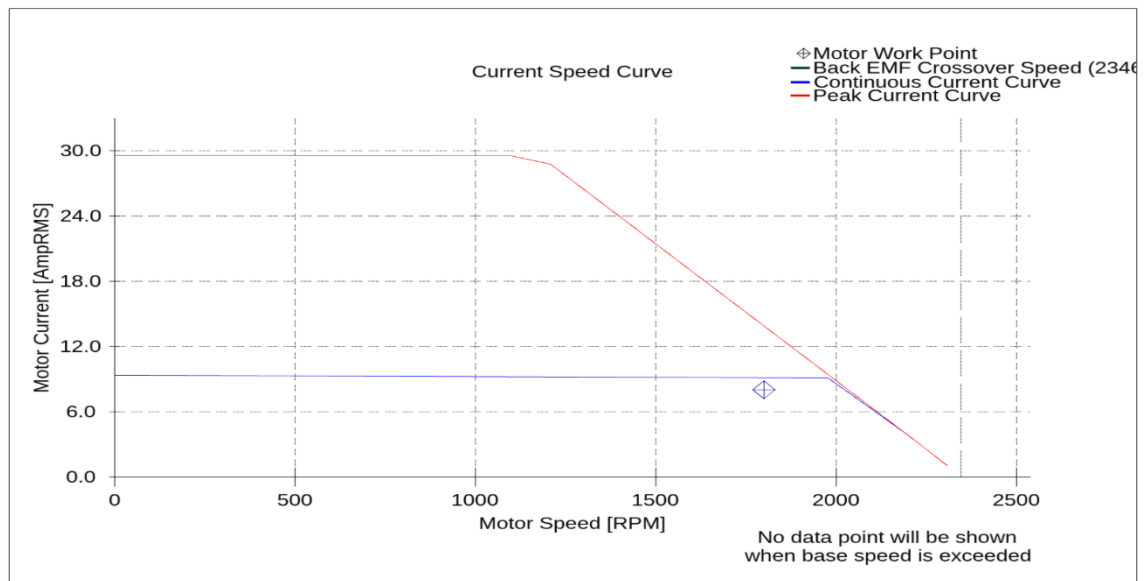
Speed-Torque Curve



Speed-Power Curve



Speed-Current Curve





Disclaimer

The Program and Information may provide material, component and/or system options for further investigation by users having technical expertise, and is provided solely for use by users having such expertise. Before selecting or using any material, component or system, it is important that you analyze all aspects of your application. Due to the variety of operating conditions and applications which may be encountered, the user, through your own analysis and testing, is solely responsible for making the final selection and approval of any material, component or system and assuring that all performance, safety and warning requirements of the application are met. Final acceptance and approval of the material, component or system must be made by the user after testing its performance and endurance in the entire application under all conditions which might be encountered.

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