



Contact Us

Parker US Mobile

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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: K064150-5Y_

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: 100 mm

Max Diameter: 64 mm





Motor Frame

eMotor Length Over All: 58 mm

eMotor Diameter: 64 mm

Performance Inputs

User Points:

Torque	RPM	Power	Cont / Peak
0.06 Nm	1800 RPM	0.3 kW	CONT



Performance Output

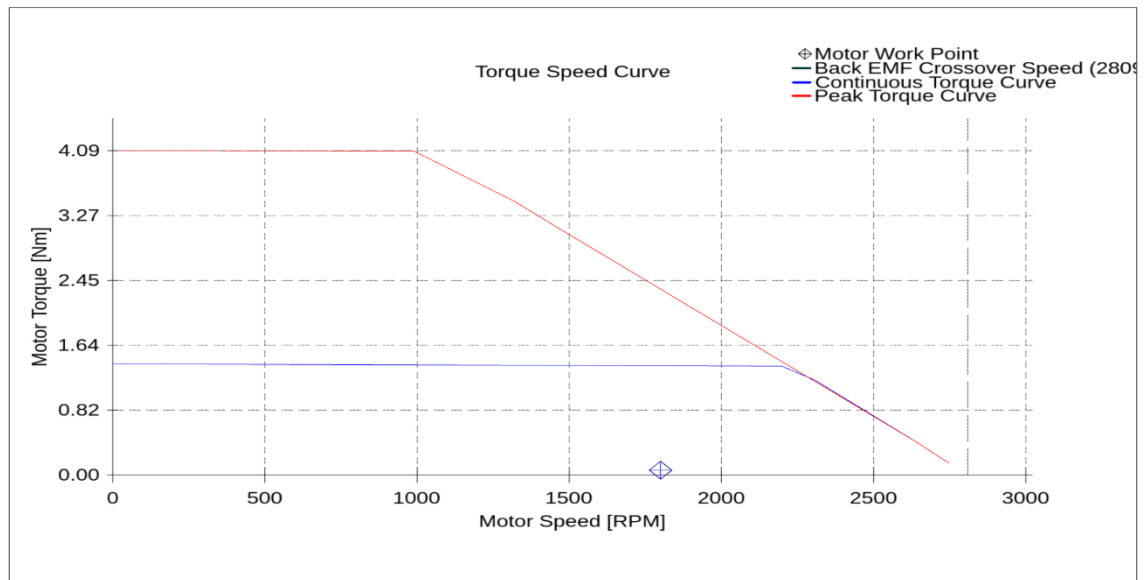
Motor Part Number: K064150-5Y_

Parameter	Continuous Motor Data	Peak Motor Data
No Load Speed (RPM)	2747 RPM	2747 RPM
Stall Torque (Nm)	1.4 Nm	4.088 Nm
Current at Stall (AmpRMS)	7.123 AmpRMS	22.508 AmpRMS
Max Power (kW)	0.316 kW	0.478 kW
Torque at Max Power (Nm)	1.371 Nm	3.193 Nm
Speed at Max Power (RPM)	2197 RPM	1428 RPM
Current at Max Power (AmpRMS)	7.01 AmpRMS	17.061 AmpRMS
Voltage Const (Vrms/krpm)	12.079 Vrms/KRPM	12.079 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 (%)	93.06%	-

Performance Output Charts

Motor Part Number: K064150-5Y_

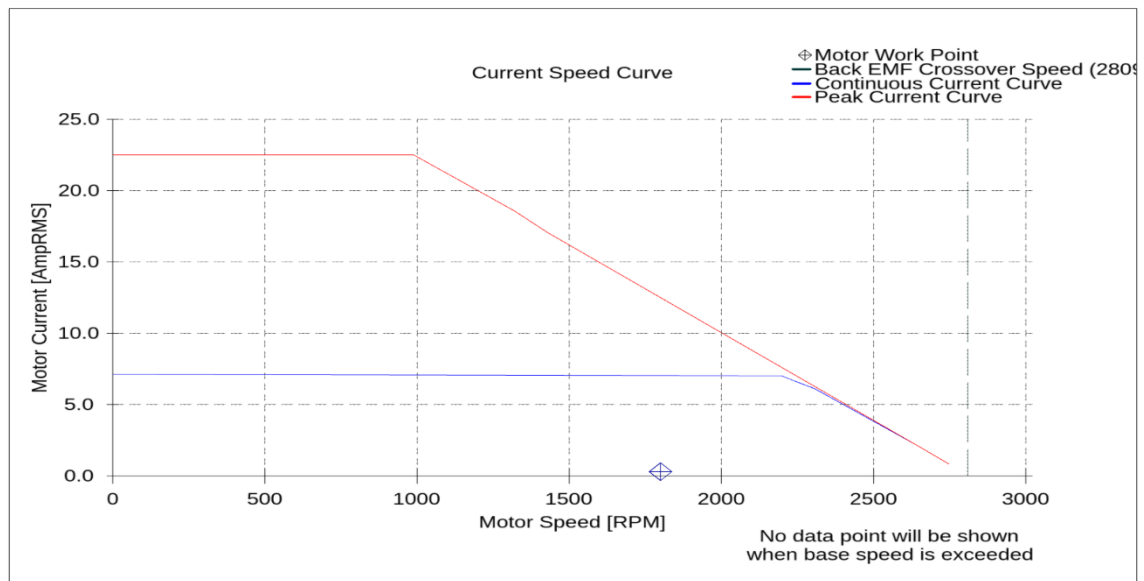
Speed-Torque Curve



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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