

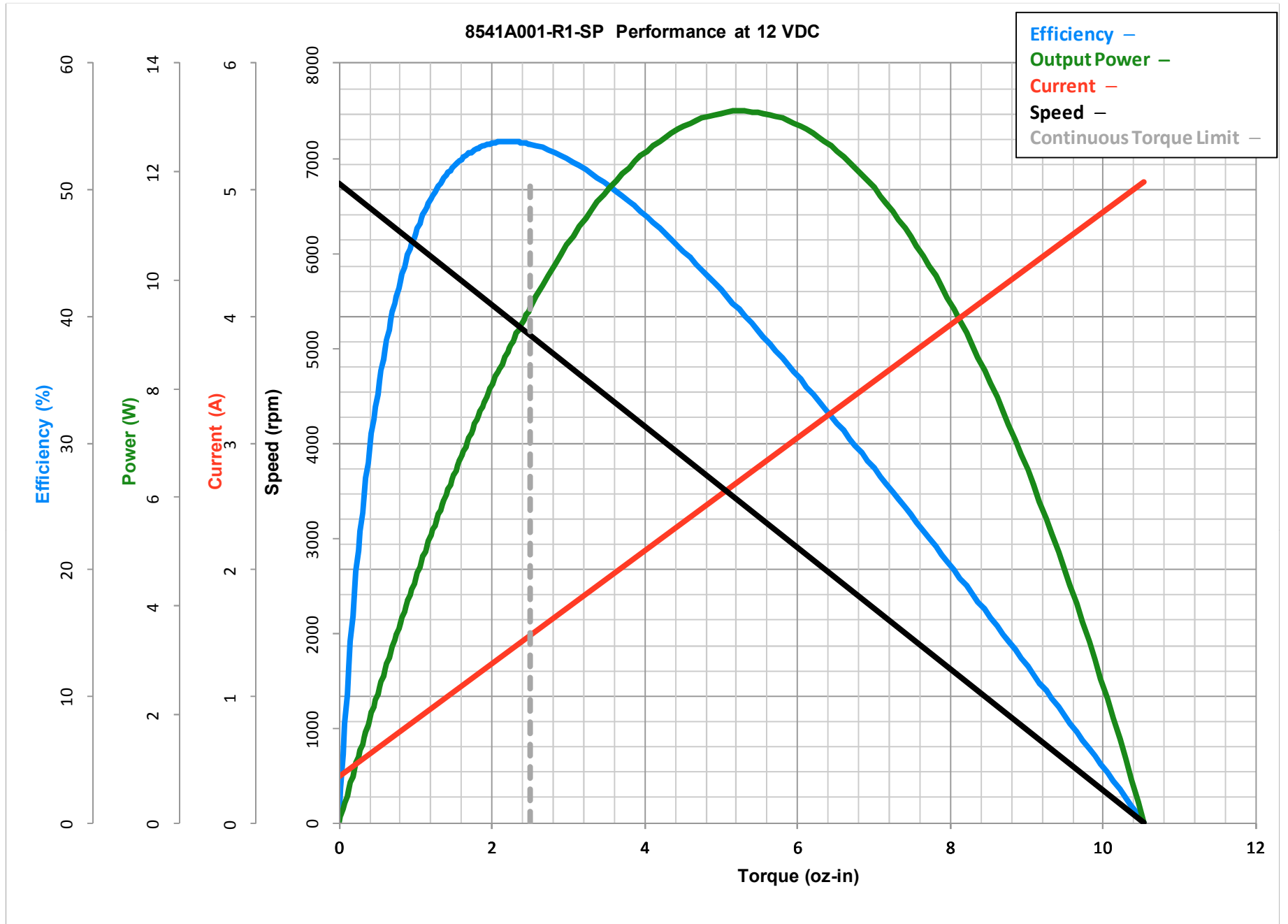
Product Details

Brush DC Motor 8541A001-R1-SP

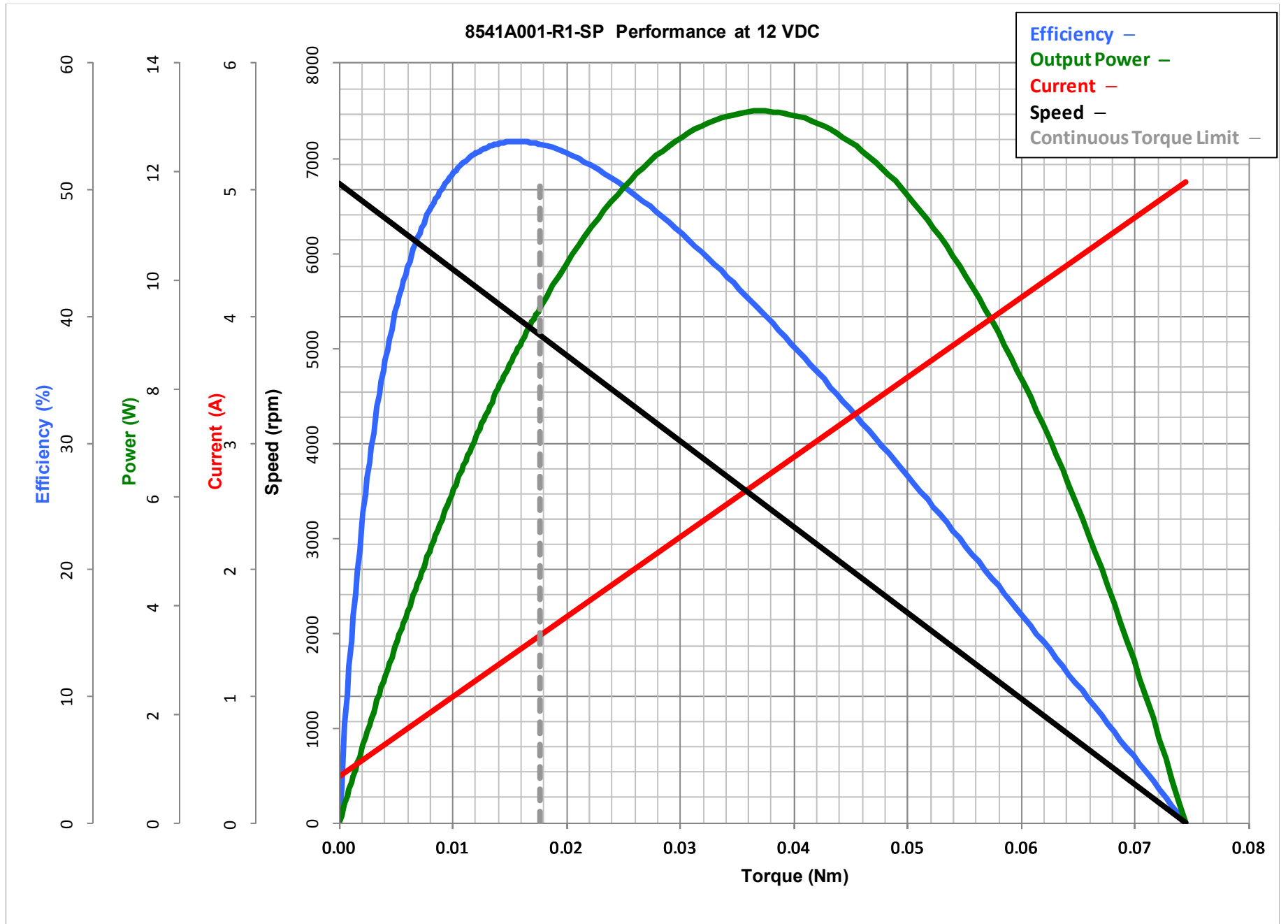
Note: Product photo is for illustrative purposes. Please refer to Engineering Drawing for specifics.



Motor Series	Series 8540 LO-COG Brush Commutated DC Motors
Price (USD)	\$105.81
Frame Size (Mounting Face) (in)	1.181
Motor Frame Size (in)	1.181
Gear Frame Size (in)	n/a
Overall Body Length (in)	2.114
Supply Voltage (V)	12
Continuous Output Torque (oz-in)	2.5
Output Speed @ Cont. Torque (RPM)	4190
Current @ Cont. Torque (A)	1.6
Continuous Output Power (W)	7.7
No Load Current (A)	0.36
No Load Output Speed (RPM)	6730
Peak Current (A)	5.1
Peak Output Torque (oz-in)	11
Motor Constant (oz-in/ \sqrt{W})	1.46
Motor Torque Constant (oz-in/A)	2.24
Motor Voltage Constant (V/krpm)	1.66
Terminal Resistance (Ohms)	2.37
Inductance (mH)	1.8
Coulomb Friction Torque (oz-in)	0.5
Viscous Damping Factor (oz-in/krpm)	0.025
Electrical Time Constant (ms)	0.77
Mechanical Time Constant (ms)	19
Thermal Time Constant (min)	10
Thermal Resistance ($^{\circ}C/Watt$)	17
Maximum Winding Temperature ($^{\circ}C$)	155
Rotor Inertia (oz-in-s ²)	0.00029
Output Bearing	Ball
Gear Series	n/a
Gear Ratio (xx.x:1)	n/a
Gear Type	n/a
Gear Efficiency	n/a
Gear Maximum Torque (oz-in)	n/a
Encoder Series	n/a
Encoder Resolution (CPR)	n/a
Encoder Output Channels	n/a
Weight (Mass) (oz)	4.7
Voltage Note	n/a
Torque Warning	n/a



All values are nominal at 25°C. Peak torque and peak current are theoretical values. Curves are shown for reference only. Visit www.pittman-motors.com.



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