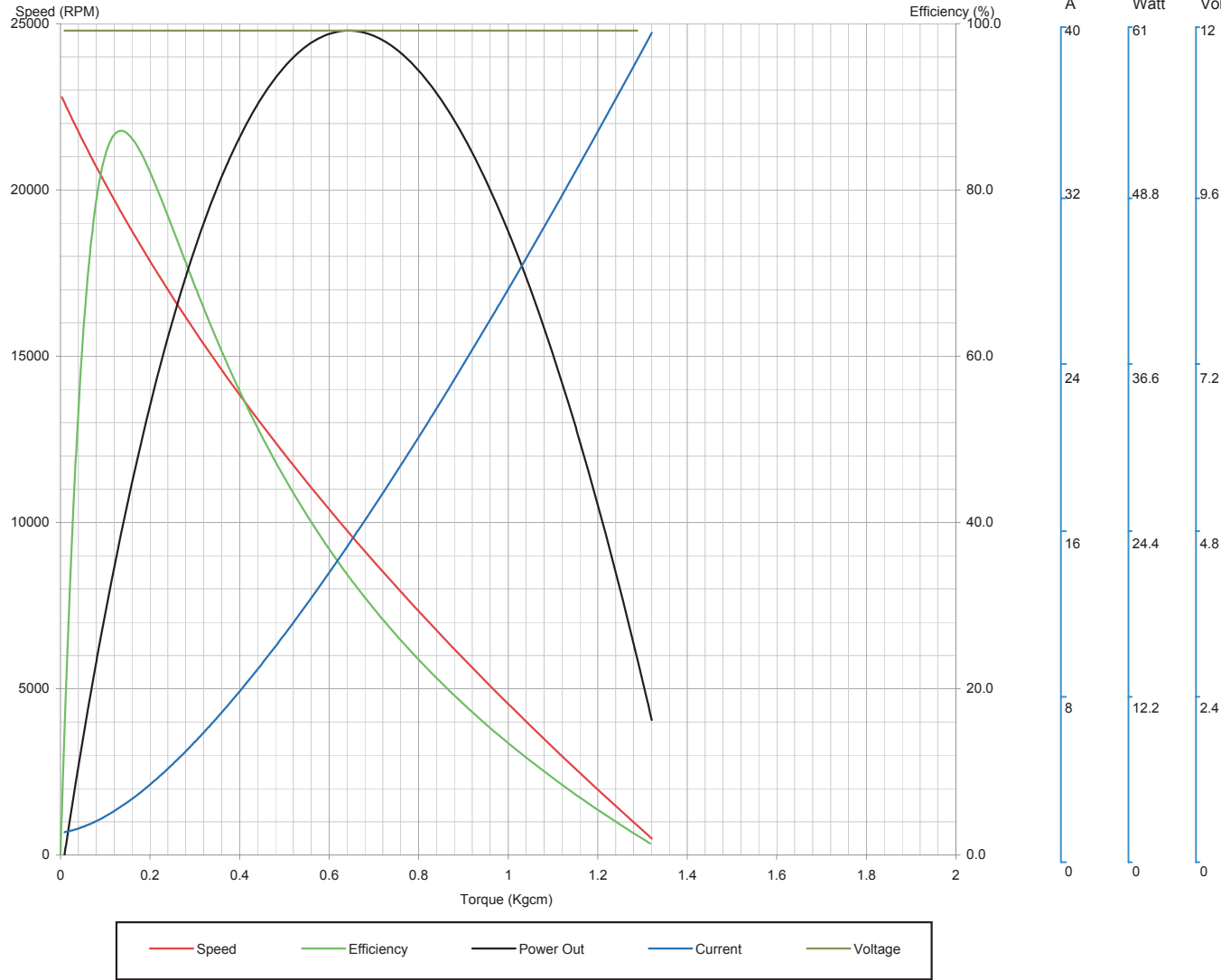


馬達型號 Model No. HRS-390-4734SW-R/81.5		
No. DM004		
項 目 ITEM	規 格 SPEC	測 定 條 件 CONDITION
1 · 定格 Rating		
定格電壓 Rated Voltage	12.0 VDC	馬達端子間電壓 Between Motor Terminals
定格負荷 Rated Load	250 g-cm	滑輪式 Pulley
回轉方向 Direction of Rotation	逆時針 CCW	從出力軸邊看 Viewed from Output Shaft Side
2 · 測定條件 Measuring Condition		
馬達姿勢 Motor Position	出力軸與水平平行 Motor to be held, with shaft horizontally	
溫度,濕度 Environmental Temperature and Humidity	常溫常濕 Normal	溫度 $25 \pm 5^{\circ}\text{C}$ 相對濕度 $65\% \pm 15\%$ TEMP: $25 \pm 5^{\circ}\text{C}$ HUMID: $65 \pm 15\%$
電源 Power Supply	定電壓安定化電源 Regulated	
3 · 電氣特性 Electrical Characteristics		
無負荷電流 No-Load Current	1.20A MAX	定格電壓 Rated Voltage
無負荷回轉數 No-Load Speed	$23000 \pm 12\%$ RPM	定格電壓 Rated Voltage
定格負荷電流 Rated-Load Current	$5.8 \pm 1.10\text{A}$	定格電壓 Rated Voltage
定格負荷回轉數 Rated-Load Speed	$19500 \pm 15\%$ RPM	定格電壓 Rated Voltage
絕緣阻抗 Insulation Resistance	DC 500V 10MΩ MIN	馬達端子和鐵殼間 Between Motor Terminal and Motor Metal Housing
絕緣耐壓 Dielectric Strength	AC600V 10mA/S	
4 · 機械特性 Mechanical Characteristics		
外觀 External Appearance	馬達外觀圖 As per motor Drawing	目視判斷 Optical
外型尺寸 External Dimension	馬達外觀圖 As per motor Drawing	游標尺, 分厘卡 Dial Caliper
間隙尺寸 Shaft End Play	0.05 ~ 0.60 mm	分厘表 Micrometer
軸振幅 Shaft Bending	0.05 mm MAX	分厘表 Micrometer

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Voltage (V)	12.0
Rotation	CCW
Kg.cm*2	0.046
Speed No	1
At No Load	
Speed	23000 RPM
Current	1.2 A
At Stall	
Torque	1.3 Kgcm
Current	39.992 A
At Maximum Efficiency	
Torque	0.14 Kgcm
Speed	19229 RPM
Current	2.473 A
Efficiency	86.14 %
Power Out	25.29 W
At Maximum Power	
Torque	0.64 Kgcm
Speed	10214 RPM
Current	15.024 A
Efficiency	34.16 %
Power Out	60.72 W
Characteristics	
Torque Constant	0.0338 Kgcm/A
Dy. Resistance	0.2987 Ohm
Motor Regulation	17057.373 RPM/Kgcm
Motor Constant	0.0596 Kgcm/W
Voltage Constant	V/KRPM
Mechanical Constant	s

