

## MED, ENC Technical Specifications

<b>ENC</b>	
Nominal Voltage (Vdc)	<b>12 or 24</b>
Operational Current (A)	<b>(see performance graph)</b>
Operational Torque (Nm)	<b>(see performance graph)</b>
Speed range (rpm)	<b>0-70</b>
Speed Control	<b>Internal 40 A, H-Bridge 3V or 5V PWM Signal</b>
Stall Current (A)	<b>18 A at 12 Vdc</b>
Stall Torque (Nm)	<b>20</b>
Transmission ratio	<b>65:1</b>
Frame Size:	
Height, mm (in)	<b>111.6 (4.39)</b>
Length, mm (in)	<b>187.6 (7.39)</b>
Width, mm (in)	<b>87.4 (3.44, no shaft)</b>
Weight, kg (lb)	<b>1.1-1.4 (2.4-3.0)</b>
Gear Wheel Material	<b>Acetal (Delrin)</b>
IP Rating	<b>IP68</b>
Communication	<b>SPI and PWM signal, Serial Communication Interface (SSI)</b>
Digital I/O	<b>Yes</b>
Outputs	<b>Quadrature ChA. and ChB. signals, 256 Pulses per channel per revolution. Home Output signal 1 pulse per revolution</b>
Transmission Rate	<b>max. 4ms</b>
ü Digital Serial Bit Position Output	<b>3.3 Vdc or 5.0 Vdc</b>
ü Analog Signal Voltage Output	<b>0 – 3.3 Vdc or 0 – 5.0 Vdc</b>
ü Home Position Output	<b>3.3 Vdc or 5.0 Vdc</b>
ü 2-Channel Incremental Encoding Output	<b>3.3 Vdc or 5.0 Vdc</b>
LIN	<b>No</b>
Diagnostic	<b>(customizable)</b>
Protections	<b>Reverse Polarity, Over-temperature</b>
Encoder Type	<b>2 Absolute encoder (10 bit), 1 Incremental encoder</b>
Resolution (degree)	<b>0.35</b>
Output Type	<b>Analog Output, PWM signal, SPI</b>
Multiple Motor Synchronization	<b>No</b>
Mounting Holes BHC (A, see drawing):	
	<b>48.26mm (1.900")</b>
	<b>64.00mm (2.520")</b>
Mounting Bolt Hole Threads (B, see drawing):	
	<b>M6 x 1 - 6H</b>
	<b>¼ - 20 UNC – 2B</b>
Mounting Holes Offset (C, see drawing):	
	<b>0° Offset</b>
	<b>13.5° Offset (Available with 48.26mm BHC only)</b>
Shaft Types (D, see drawing):	
	<b>M8 DIN tapered spline</b>
	<b>Cross pin</b>
	<b>Ø11mm shaft, full round profile</b>
	<b>Ø11mm shaft with D profile</b>
	<b>Ø12mm shaft, full round profile</b>
	<b>Ø12mm shaft with keyway and retaining ring groove</b>