



M 1.5:1

ECG16..L
ECG16..S **P16**

Motor type					
1	Length of motor L1	ECG1636S/L	mm	36	Motor performance at P10
		ECG1656S/L	mm	56	Motor performance at P42

Gearhead Data							
2	Housing material	Steel					
3	Geartrain material	Steel					
4	Bearing type on output shaft	Ball bearing					
5	Max. radial load (10mm from flange)	N	15.6				
6	Max. axial load	N	4.9				
7	Radial play of shaft	mm	0.04				
8	Thrust play of shaft	mm	0.4				
9	Backlash at no load	°	2				
10	Max. continuous speed	rpm	42000				
11	Operating temperature range	°C	-30..+100				
12	Number of stages		1	2	3	4	5
13	Max continuous torque	Nm	0.42	0.6	0.75	0.9	0.9
14	Max. intermittent torque	Nm	0.84	1.2	1.5	1.8	1.8
15	Max. efficiency	%	90	83	77	72	67
16	Gearhead length L2	mm	17.9	21.8	25.7	29.6	33.5
17	Ratio	X:1	3.7,4.4, 5.4, 6.5	14.5,16.4, 19.2,23.7, 28.5,35.1 42.3,	48.2,54.5, 61.7, 67.1, 75.9, 80.8, 88.8, 94.5, 103.8, 109.3 125, 131 154, 185.3	204,228, 251.8, 274.6, 294.4, 313.3 333, 354.4, 389.3, 400.8 455.2, 493.6, 547.9, 560.6 674.8,690.4	738, 850.3, 944.2, 1023.5, 1136.6, 1232 1328.9, 1447.2, 1502.9, 1636.7, 1757, 1851 1996, 2164, 2402, 2530, 3027, 3644,

Connection		Configuration	
Connection A (Sensor)	PTFE	Pinion: Metal/Plastic	
Pin 1 Vhall 3-18 VDC	AWG28 Black	Ball bearing: Preload	
Pin 2 Hall sensor HA	AWG28 Black	Flange: Standard frange front&back/customize the frange	
Pin 3 Hall sensor HB	AWG28 Black	Shaft: Length/Diameter/Cut face/double shaft/hollow shaft	
Pin 4 Hall sensor HC	AWG28 Black	Leadwire: PVC/Silicon/Teflon/UL No/Dimensions/length	
Pin 5 GND	AWG28 Black	Connector: JST/MOLEX/TE	
Pin 6 Motor winding MA	AWG28 Black	More:	
Pin 7 Motor winding MB	AWG28 Black	Special design for high speed/big torque	
Pin 8 Motor winding MC	AWG28 Black	ECD series can be chosen in some application	
Conector	JST PH2.0-8P	Details please contact our sales engineer	
Connection B (Sensorless)	PTFE		
Pin 1 Motor winding MC	AWG28 Yellow		
Pin 2 Motor winding MB	AWG28 Green		
Pin 3 Motor winding MA	AWG28 Blue		