



**ECG22..L**  
**ECG22..S** P22

Motor type		P22	
1	Length of motor L1	ECG2232S/L	mm
		ECG2240S/L	mm
		ECG2248S/L	mm
		ECG2260S/L	mm
		ECDG2238S	mm
		ECDG2246S	mm
			32
			40
			48
			60
			38.5
			46.5
			Motor performance at P13.
			Motor performance at P14.
			Motor performance at P15.
			Motor performance at P16.
			Motor performance at P40.
			Motor performance at P41.

**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	Bcklash at no load	°	2
10	Max. continuous speed	rpm	42000
11	Operating temperatue range	°C	-30..+100
12	Number of stages		
13	Max continuous torque	Nm	1 0.72 2 0.96 3 1.2 4 1.45 5 1.45
14	Max. intermittent torque	Nm	1.44 1.92 2.4 2.9 2.9
15	Max. efficiency	%	90 83 77 72 72
16	Gearhead length L2	mm	22.6 27.6 32.7 37.7 42.8
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**

<b>Conection A (Sensor)</b>	PVC	
Pin 1 Vhall 3-18 VDC	AWG26	black
Pin 2 Hall sensor HA	AWG26	black
Pin 3 Hall sensor HB	AWG26	black
Pin 4 Hall sensor HC	AWG26	black
Pin 5 GND	AWG26	black
Pin 6 Motor winding MA	AWG26	black
Pin 7 Motor winding MB	AWG26	black
Pin 8 Motor winding MC	AWG26	black
Conector		
JST PH2.0-8P		

<b>Conection B (Sensorless)</b>	PVC	
Pin 1 Motor winding MA	AWG26	yellow
Pin 2 Motor winding MB	AWG26	green
Pin 3 Motor winding MC	AWG26	blue

**Configuration**

Pinion: Metal/Plastic  
Ball bearing: Preload  
Flange: Standard frange front&back/customize the frange  
Shaft: Length/Diameter/Cut face/double shaft/hollow shaft  
Leadwire: PVC/Silicon/Teflon/UL No/Dimensions/length  
Connector: JST/MOLEX/TE

More:  
Special design for high speed/high torque  
ECD series can be chosen in some application  
Details please contact our sales engineer