



M 1:1

ECG16..L
ECG16..S P16

Motor type

1 Length of motor L1	ECG1630S/L	mm	30	Motor performance at P10.
	ECG1636S/L	mm	36	Motor performance at P11.
	ECG1656S/L	mm	56	Motor performance at P52.
	ECDG1638L	mm	38	Motor performance at P39.

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		
13 Max continuous torque	Nm	1 2 3 4 5
14 Max. intermittent torque	Nm	0.42 0.6 0.75 0.9 0.9
15 Max. efficiency	%	0.84 1.2 1.5 1.8 1.8
16 Gearhead length L2	mm	90 83 77 72 67
17 Ratio	X:1	17.9 21.8 25.7 29.6 33.5
		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)		
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
Connector		
JST PH2.0-8P		
Connection B (Sensorless)		
PVC		
Pin 1 Motor winding MA	AWG26	yellow
Pin 2 Motor winding MB	AWG26	green
Pin 3 Motor winding MC	AWG26	blue

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