



M 1:2

ECG40..L
ECG40..S P42

Motor type				
1 Length of motor L1	ECG4058S/L	mm	58	Motor performance at P24
	ECG4070S/L	mm	70	Motor performance at P25
	ECG4088S/L	mm	88	Motor performance at P26

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	196
6 Max. axial load	N	98
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	30000
11 Operating temperature range	°C	-30..+100
12 Number of stages		1 2 3 4
13 Max continuous torque	Nm	6.5 8.6 10.8 13
14 Max. intermittent torque	Nm	13 17.2 21.6 26
15 Max. efficiency	%	90 83 77 72
16 Gearhead length L2	mm	43.8 54.6 65.4 76
17 Ratio	X:1	4.3,5.1, 6.3, 7.6 14.7,16.3, 18.6,19.2, 21.9,23.9, 25.8, 27.2, 28.9, 32, 38.7, 39.7, 48, 58.1 65.6, 74.6, 81.4, 90.5, 98.5, 109, 112.1, 124.6, 123, 141.8, 150.4, 162.4, 171.2, 182, 196.5, 220.3 243.9, 250.7 277.4, 302.6, 335.8, 351, 382.2, 413.2, 459.3, 500.1, 537.4, 583.5, 620.6, 686.9, 744.7, 824.4, 869, 924.2 1006, 1388, 1680, 3380

Connection

Connection A (Sensor) PTFE

Pin 1 Motor winding MB	AWG20	Green
Pin 2 Vhall 3-18 VDC	AWG26	Red
Pin 3 Hall sensor HA	AWG26	Yellow
Pin 4 Hall sensor HC	AWG26	Blue
Pin 5 Motor winding MA	AWG20	Yellow
Pin 6 Motor winding MC	AWG20	Blue
Pin 7 GND	AWG26	Black
Pin 8 Hall sensor HB	AWG26	Green

Conector
Molex5557-8P

Connection B (Sensorless) PTFE

Pin 1 Motor winding MA	AWG20	Yellow
Pin 2 Motor winding MB	AWG20	Green
Pin 3 Motor winding MC	AWG20	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/big torque
ECD series can be chosen in some application
Details please contact our sales engineer