



ϕ M 1:1.5

ECG12..L P16

Motor type

1 Length of motor L1	ECG1220L	mm	20	Motor performance at P8.
	ECG1230L	mm	30	Motor performance at P9.

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	5
6 Max. axial load	N	5
7 Radial play of shaft	mm	0.1
8 Thrust play of shaft	mm	0.2
9 Backlash at no load	°	3
10 Max. continuous speed	rpm	42000
11 Operating temperature range	°C	-30..+100
12 Number of stages		
13 Max continuous torque	Nm	1 0.1 2 0.2 3 0.2 4 0.2 5 0.2
14 Max. intermittent torque	Nm	0.15 0.25 0.25 0.25 0.25
15 Max. efficiency	%	90 81 73 65 59
16 Gearhead length L2	mm	15.1 17.9 20.7 23.5 26.3
17 Ratio	X:1	3.47, 3.94 12.07, 13.68 15.5, 18.17 41.92, 47.51 55.69, 53.86 63.13 61.05 71.56, 83.88 145.6, 165.04 187.08, 219.29 248.56, 281.75 291.36 330.26 505.8,

Connection

Connection (Sensorless)	PVC	
Pin 1 Motor winding MA	AWG28	yellow
Pin 2 Motor winding MB	AWG28	green
Pin 3 Motor winding MC	AWG28	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