



ECG32..L
ECG32..S P32

Motor type

1 Length of motor L1	ECG3242S/L	mm	42	Motor performance at P22.
	ECG3260S/L	mm	60	Motor performance at P23.
	ECG3270S/L	mm	70	Motor performance at P24.
	ECDG3270S	mm	70	Motor performance at P46.

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	98
6 Max. axial load	N	58.8
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	36000
11 Operating temperature range	°C	-30..+100
12 Number of stages		
13 Max continuous torque	Nm	1 2.34 2 3.1 3 3.88 4 4.65
14 Max. intermittent torque	Nm	1 4.68 2 6.2 3 7.76 4 9.3
15 Max. efficiency	%	1 90 2 83 3 77 4 72
16 Gearhead length L2	mm	1 31.2 2 38.7 3 46.2 4 53.7
17 Ratio	X:1	1 4.4, 5.2, 6.7, 8.3 2 15.1, 16.9, 18, 20.1, 23.1, 25.6, 27.6, 29.3, 31.8, 35, 43.5, 55.2, 3 61.7, 68.7, 77.1, 87.6, 100.6, 109, 120, 125, 129, 134.1, 139.8, 144.7, 149.1, 154, 166.8, 183.8, 211.7, 243, 264.5, 290 4 335.9, 385.5, 411.4, 494.8, 528, 630, 677.6, 705.8, 759.7, 860.4, 964.7, 1069, 1158, 1276, 1523, 1755, 2014, 3051, 3792, 4713

Connection

Configuration

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 HC	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

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