

Planetary Geared Motors CX.42GBESR

Gearbox Data:

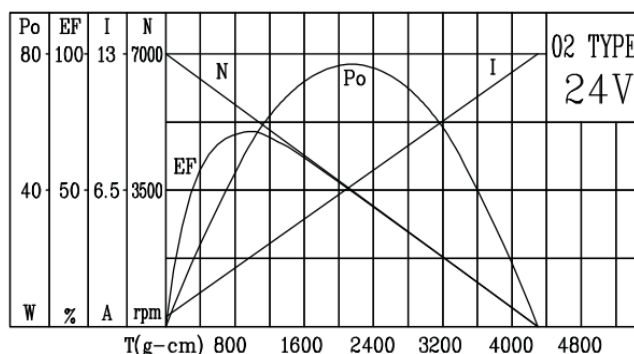
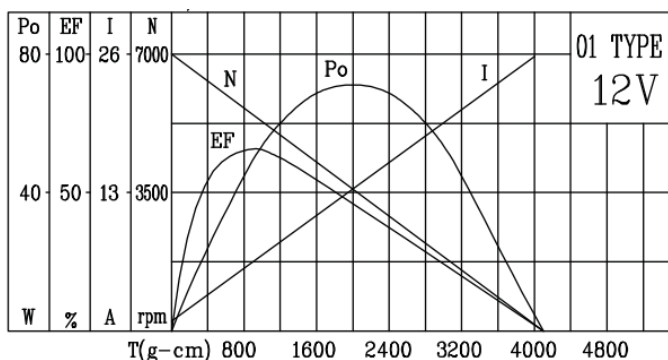
Housing: metal
Backlash at no load: $\leq 3^\circ$
Bearing at output: ball bearings
Radial Load (10mm from flange): $\leq 5\text{Kg}$
Shaft axial load: $\leq 3\text{Kg}$
Shaft press fit force (max): $\leq 15\text{Kg}$
Radial play of shaft: $\leq 0.05\text{mm}$
Thrust play of shaft: $\leq 0.3\text{mm}$
Length: 1:14~1:24 = 39.2mm
1:49~1:144 = 45.9mm
1:212~1:720 = 52.6mm
1:1062~1:3600 = 59.3mm



Motor Data:

DC Carbon-brush motor
Nominal Voltage: 12/24Vdc
Rated Torque: @12V: 700g-cm - @24V: 570g-cm
Rated Speed: @12V: 5700rpm - @24V: 5900rpm
Rated Current: @12V: $\leq 5.5\text{A}$ - @24V: $\leq 2.1\text{A}$
No Load Speed: @12V: 7000rpm - @24V: 7000rpm
No Load Current: @12V: $\leq 0.9\text{A}$ - @24V: $\leq 0.5\text{A}$
Rated Output: @12V: 41.3W - @24V: 34.7W

Motor Characteristics:



Option:

Hall sensor magnetic encoder
Customize the electric specification according to the customer requirement

Motorgearbox Performance:

Model	Gear ratio	Voltage	Speed @ No Load	Current @ no load	Rated Torque	Rated Speed	Max Momentary Tolerance Torque
		<i>Volt</i>	<i>rpm</i>	<i>A</i>	<i>Kg-cm</i>	<i>rpm</i>	<i>Kg-cm</i>
CX.42GBESR	1:14	12.0	500	≤1.1	6.1	405	24.0
		24.0	500	≤0.7	5.0	420	24.0
CX.42GBESR	1:17	12.0	410	≤1.1	7.6	325	24.0
		24.0	410	≤0.7	6.2	340	24.0
CX.42GBESR	1:24	12.0	290	≤1.1	8.0	248	24.0
		24.0	290	≤0.7	8.0	240	24.0
CX.42GBESR	1:49	12.0	142	≤1.2	18.0	120	54.0
		24.0	142	≤0.8	15.0	122	54.0
CX.42GBESR	1:61	12.0	115	≤1.2	18.0	98	54.0
		24.0	115	≤0.8	18.0	102	54.0
CX.42GBESR	1:84	12.0	83	≤1.3	18.0	76	54.0
		24.0	83	≤0.8	18.0	77.5	54.0
CX.42GBESR	1:104	12.0	67	≤1.3	20.0	63	60.0
		24.0	67	≤0.8	20.0	63	60.0
CX.42GBESR	1:144	12.0	48	≤1.3	20.0	45	60.0
		24.0	48	≤0.8	20.0	47	60.0
CX.42GBESR	1:212	12.0	33	≤1.3	25.0	31	75.0
		24.0	33	≤0.9	25.0	31	75.0
CX.42GBESR	1:294	12.0	24	≤1.3	25.0	24	75.0
		24.0	24	≤0.9	25.0	24	75.0
CX.42GBESR	1:504	12.0	13.8	≤1.3	30.0	13.5	90.0
		24.0	13.8	≤0.9	30.0	13.5	90.0
CX.42GBESR	1:720	12.0	9.7	≤1.3	30.0	9.5	90.0
		24.0	9.7	≤0.9	30.0	9.5	90.0
CX.42GBESR	1:1062	12.0	6.6	≤1.4	30.0	6.5	90.0
		24.0	6.6	≤0.9	30.0	6.5	90.0
CX.42GBESR	1:2500	12.0	2.8	≤1.4	30.0	2.7	90.0
		24.0	2.8	≤0.9	30.0	2.7	90.0
CX.42GBESR	1:3600	12.0	1.9	≤1.4	30.0	1.9	90.0
		24.0	1.9	≤0.9	30.0	1.9	90.0

General Tolerances ±15%