

## Planetary Geared Motors CX.22GBES

### Gearbox Data:

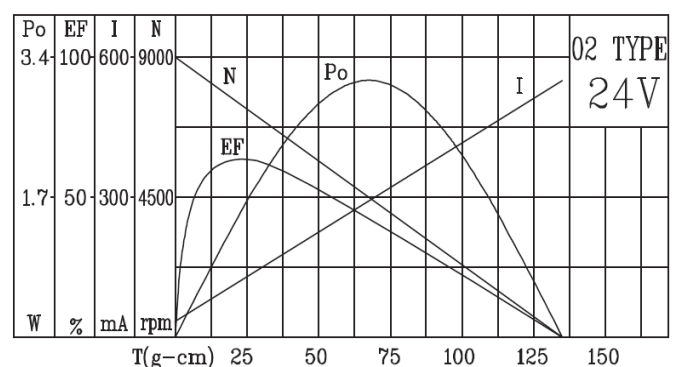
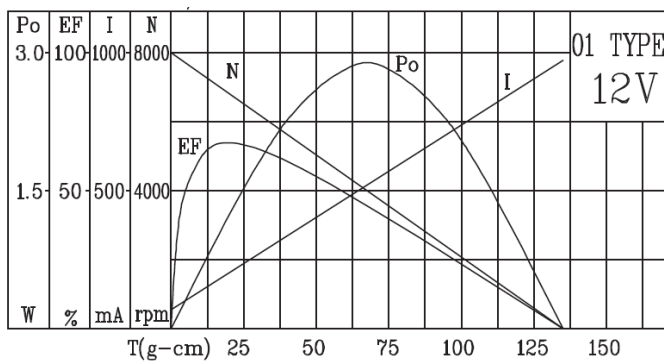
Housing: metal  
Backlash at no load:  $\leq 2.5^\circ$   
Bearing at output: sleeve bearings  
Radial Load (10mm from flange):  $\leq 1\text{Kg}$   
Shaft axial load:  $\leq 0.7\text{Kg}$   
Shaft press fit force (max):  $\leq 6\text{Kg}$   
Radial play of shaft:  $\leq 0.08\text{mm}$   
Thrust play of shaft:  $\leq 0.3\text{mm}$   
Length: 1:18~1:25 = 29.5mm  
1:66~1:136 = 35.7mm  
1:246~1:735 = 41.9mm  
1:1079~1:3698 = 48.1mm



### Motor Data:

DC Carbon-brush motor  
Operating Range Voltage: 6~30Vdc  
Nominal Voltage: 12/24Vdc  
No Load Speed: @12V: 8000rpm - @24V: 9000rpm  
No Load Current: @12V:  $\leq 0.07\text{A}$  - @24V:  $\leq 0.04\text{A}$   
Rated Speed: @12V: 6700rpm - @ 24V: 7400rpm  
Rated Current: @12V:  $\leq 0.20\text{A}$  - @24V:  $\leq 0.11\text{A}$   
Rated Torque: @12V: 22g-cm - @24V: 22g-cm  
Rated Output: @12V: 1.5W - @24V: 1.7W

### 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>
<b>CX.22GBES</b>	1:18	12.0	444	≤0.11	0.27	375	9.0
		24.0	500	≤0.10	0.27	414	9.0
<b>CX.22GBES</b>	1:25	12.0	320	≤0.11	0.38	260	9.0
		24.0	360	≤0.10	0.38	290	9.0
<b>CX.22GBES</b>	1:66	12.0	121	≤0.11	0.85	101	12.0
		24.0	136	≤0.10	0.85	110	12.0
<b>CX.22GBES</b>	1:90	12.0	89	≤0.11	1.15	74	12.0
		24.0	100	≤0.10	1.15	82	12.0
<b>CX.22GBES</b>	1:110	12.0	73	≤0.11	1.4	60	12.0
		24.0	82	≤0.10	1.4	66	12.0
<b>CX.22GBES</b>	1:136	12.0	59	≤0.11	1.7	48	12.0
		24.0	66	≤0.10	1.7	53	12.0
<b>CX.22GBES</b>	1:246	12.0	32	≤0.11	2.6	26	15.0
		24.0	36	≤0.10	2.6	29	15.0
<b>CX.22GBES</b>	1:336	12.0	24	≤0.11	3.7	19	15.0
		24.0	27	≤0.10	3.7	21	15.0
<b>CX.22GBES</b>	1:484	12.0	16.5	≤0.11	5.0	13.8	15.0
		24.0	18.5	≤0.10	5.0	15.3	15.0
<b>CX.22GBES</b>	1:597	12.0	13.0	≤0.11	5.0	11.5	15.0
		24.0	15.0	≤0.10	5.0	12.7	15.0
<b>CX.22GBES</b>	1:735	12.0	11.0	≤0.11	5.0	9.5	15.0
		24.0	12.0	≤0.10	5.0	10.5	15.0
<b>CX.22GBES</b>	1:1079	12.0	7.5	≤0.11	6.0	6.7	18.0
		24.0	8.0	≤0.10	6.0	7.4	18.0
<b>CX.22GBES</b>	1:1475	12.0	5.5	≤0.11	6.0	5.0	18.0
		24.0	6.0	≤0.10	6.0	5.5	18.0
<b>CX.22GBES</b>	1:2124	12.0	3.5	≤0.11	6.0	3.4	18.0
		24.0	4.0	≤0.10	6.0	3.9	18.0
<b>CX.22GBES</b>	1:3698	12.0	2.0	≤0.11	6.0	1.8	18.0
		24.0	2.4	≤0.10	6.0	1.95	18.0

General Tolerances ±15%