

## Planetary Geared Motors CX.35GBE

### Gearbox Data:

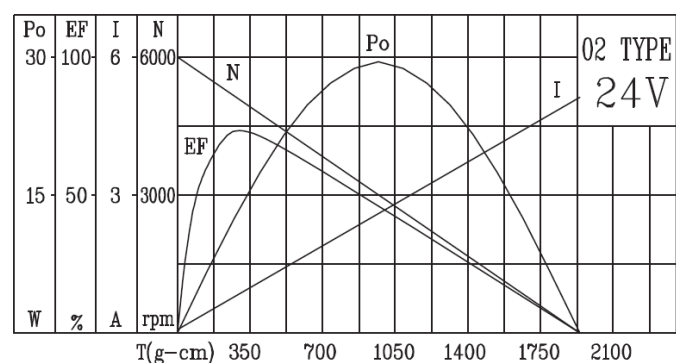
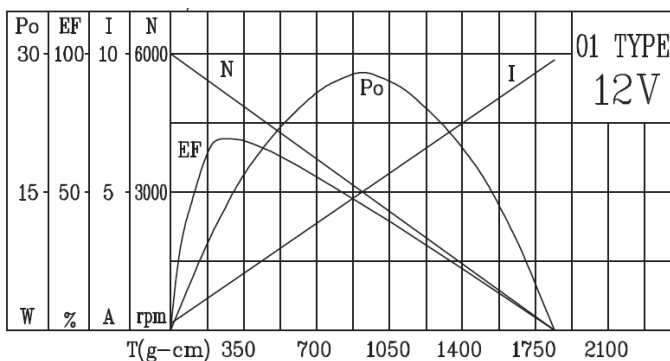
Housing: powder metal  
Backlash at no load:  $\leq 2.5^\circ$   
Bearing at output: sleeve bearings  
Radial Load (10mm from flange):  $\leq 3\text{Kgf}$   
Shaft axial load:  $\leq 2.5\text{Kgf}$   
Shaft press fit force (max):  $\leq 10\text{Kgf}$   
Radial play of shaft:  $\leq 0.08\text{mm}$   
Thrust play of shaft:  $\leq 0.3\text{mm}$   
Length: 1:5 = 22.1mm  
1:14~1:27 = 28.5mm  
1:51~1:139 = 34.9mm  
1:189~1:721 = 41.3mm



### Motor Data:

DC Carbon-brush motor  
Nominal Voltage: 12/24Vdc  
No Load Speed: @12V: 6000rpm - @24V: 6000rpm  
No Load Current: @12V:  $\leq 0.25\text{A}$  - @24V:  $\leq 0.13\text{A}$   
Rated Speed: @12V: 4930rpm - @24V: 5150rpm  
Rated Current: @12V:  $\leq 1.6\text{A}$  - @24V:  $\leq 0.75\text{A}$   
Rated Torque: @12V: 250g-cm - @24V: 240g-cm  
Rated Output: @12V: 12.8W - @24V: 12.7W

### 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.35GBE</b>	1:5	12.0	1200	≤0.45	1.0	950	6.0
		24.0	1200	≤0.35	1.0	990	6.0
<b>CX.35GBE</b>	1:14	12.0	428	≤0.45	2.4	359	12.0
		24.0	428	≤0.35	2.3	375	12.0
<b>CX.35GBE</b>	1:19	12.0	316	≤0.45	3.3	257	12.0
		24.0	316	≤0.35	3.2	268	12.0
<b>CX.35GBE</b>	1:27	12.0	222	≤0.45	4.7	183	18.0
		24.0	222	≤0.35	4.5	192	18.0
<b>CX.35GBE</b>	1:51	12.0	118	≤0.45	7.6	97	24.0
		24.0	118	≤0.35	7.3	101	24.0
<b>CX.35GBE</b>	1:71	12.0	84.5	≤0.45	8.0	71.5	24.0
		24.0	84.5	≤0.35	8.0	74.5	24.0
<b>CX.35GBE</b>	1:100	12.0	60	≤0.45	10.0	52	30.0
		24.0	60	≤0.35	10.0	54	30.0
<b>CX.35GBE</b>	1:139	12.0	43	≤0.45	10.0	39	30.0
		24.0	43	≤0.35	10.0	40	30.0
<b>CX.35GBE</b>	1:189	12.0	32	≤0.45	12.0	29.0	36.0
		24.0	32	≤0.35	12.0	29.5	36.0
<b>CX.35GBE</b>	1:264	12.0	22.5	≤0.45	12.0	21.0	36.0
		24.0	22.5	≤0.35	12.0	22.0	36.0
<b>CX.35GBE</b>	1:516	12.0	11.5	≤0.45	12.0	11.0	36.0
		24.0	11.5	≤0.35	12.0	11.0	36.0
<b>CX.35GBE</b>	1:721	12.0	8.3	≤0.45	12.0	8.0	36.0
		24.0	8.3	≤0.35	12.0	8.0	36.0

General Tolerances ±15%