

Planetary Geared Motors CX.30GBE

Gearbox Data:

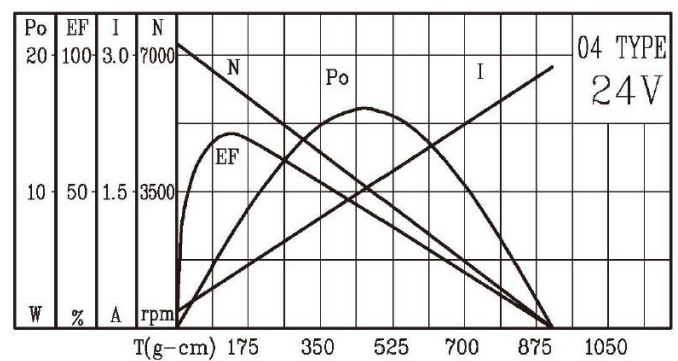
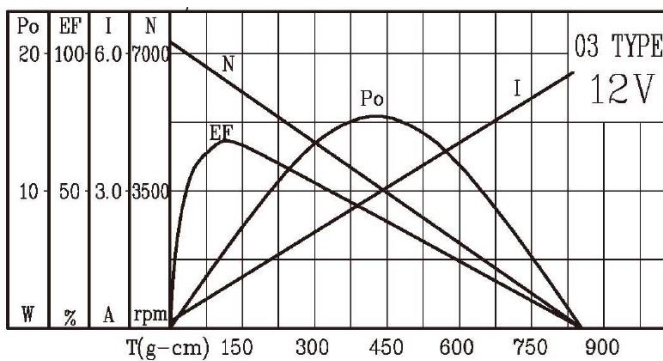
Housing: metal
Backlash at no load: $\leq 2.5^\circ$
Bearing at output: sleeve bearings
Radial Load (10mm from flange): $\leq 3\text{Kg}$
Shaft axial load: $\leq 2.5\text{Kg}$
Shaft press fit force (max): $\leq 10\text{Kg}$
Radial play of shaft: $\leq 0.08\text{mm}$
Thrust play of shaft: $\leq 0.3\text{mm}$
Length: 1:5 = 23.6mm
1:14~1:35 = 30.0mm
1:51~1:139 = 36.4mm
1:189~1:939 = 42.8mm



Motor Data:

DC Carbon-brush motor
Operating Range Voltage: 6~30Vdc
Nominal Voltage: 12/24Vdc
No Load Speed: @12V: 7300rpm - @24V: 7300rpm
No Load Current: @12V: $\leq 0.15\text{A}$ - @24V: $\leq 0.08\text{A}$
Rated Speed: @12V: 5950rpm - @ 24V: 6160rpm
Rated Current: @12V: $\leq 0.90\text{A}$ - @24V: $\leq 0.50\text{A}$
Rated Torque: @12V: 110g-cm - @24V: 130g-cm
Rated Output: @12V: 7.0W - @24V: 8.5W

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.30GBE	1:5	12.0	1460	≤0.20	0.45	1120	6.0
		24.0	1460	≤0.15	0.54	1150	6.0
CX.30GBE	1:14	12.0	521	≤0.20	1.1	430	9.0
		24.0	521	≤0.15	1.2	445	9.0
CX.30GBE	1:19	12.0	384	≤0.20	1.5	310	9.0
		24.0	384	≤0.15	1.7	320	9.0
CX.30GBE	1:27	12.0	270	≤0.20	2.1	221	12.0
		24.0	270	≤0.15	2.4	229	12.0
CX.30GBE	1:35	12.0	208	≤0.20	2.7	170	12.0
		24.0	208	≤0.15	3.1	176	12.0
CX.30GBE	1:51	12.0	143	≤0.20	3.4	117	18.0
		24.0	143	≤0.15	4.0	121	18.0
CX.30GBE	1:71	12.0	103	≤0.20	4.7	83	18.0
		24.0	103	≤0.15	5.5	87	18.0
CX.30GBE	1:100	12.0	73	≤0.20	6.6	60	24.0
		24.0	73	≤0.15	7.8	62	24.0
CX.30GBE	1:139	12.0	52	≤0.20	8.0	45	24.0
		24.0	52	≤0.15	8.0	46	24.0
CX.30GBE	1:189	12.0	38.5	≤0.20	10.0	32	30.0
		24.0	38.5	≤0.15	10.0	34.5	30.0
CX.30GBE	1:264	12.0	27.5	≤0.20	10.0	25	30.0
		24.0	27.5	≤0.15	10.0	26	30.0
CX.30GBE	1:516	12.0	14	≤0.20	10.0	13.2	30.0
		24.0	14	≤0.15	10.0	13.5	30.0
CX.30GBE	1:721	12.0	10	≤0.20	10.0	9.6	30.0
		24.0	10	≤0.15	10.0	9.8	30.0
CX.30GBE	1:939	12.0	7.5	≤0.20	10.0	7.3	30.0
		24.0	7.5	≤0.15	10.0	7.3	30.0

General Tolerances ±15%