

Planetary Geared Motors CX.16GBE

Gearbox Data:

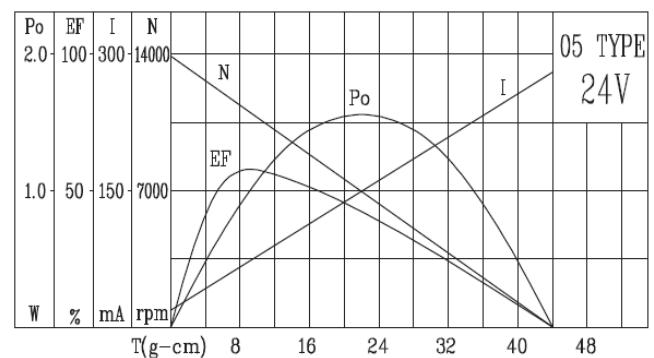
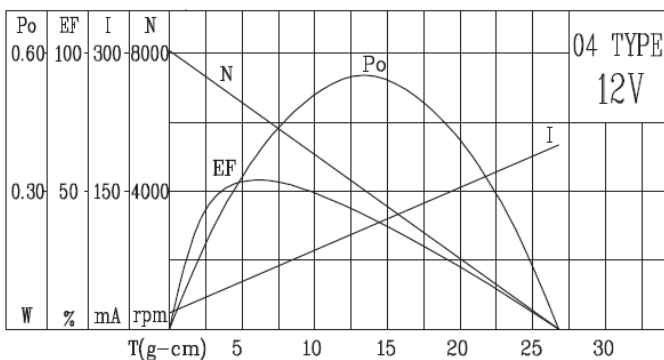
Housing: metal
Backlash at no load: $\leq 3^\circ$
Bearing at output: sleeve bearings
Radial Load (10mm from flange): $\leq 0.5\text{Kgf}$
Shaft axial load: $\leq 0.5\text{Kgf}$
Shaft press fit force (max): $\leq 1.5\text{Kgf}$
Radial play of shaft: $\leq 0.08\text{mm}$
Thrust play of shaft: $\leq 0.2\text{mm}$
Length: 1:14~1:19 = 18.05mm
1:29~1:104 = 21.70mm
1:128~1:455 = 25.35mm
1:690~1:3027 = 29.00mm



Motor Data:

DC Precious metal-brush motor
Operating Range Voltage: 6~30Vdc
Nominal Voltage: 12/24Vdc
No Load Speed: @12V: 8000rpm - @24V: 13500rpm
No Load Current: @12V: $\leq 0.05\text{A}$ - @24V: $\leq 0.05\text{A}$
Rated Speed: @12V: 6200rpm - @ 24V: 11000rpm
Rated Current: @12V: $\leq 0.09\text{A}$ - @24V: $\leq 0.09\text{A}$
Rated Torque: @12V: 6.1g-cm - @24V: 9.0g-cm
Rated Output: @12V: 0.394W - @24V: 1.026W

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.16GBE	1:14	12.0	571	≤0.11	0.06	430	3.6
		24.0	964	≤0.10	0.08	760	3.6
CX.16GBE	1:19	12.0	421	≤0.11	0.08	315	3.6
		24.0	710	≤0.10	0.12	555	3.6
CX.16GBE	1:29	12.0	276	≤0.11	0.12	205	3.6
		24.0	465	≤0.10	0.18	365	3.6
CX.16GBE	1:62	12.0	129	≤0.11	0.22	100	4.8
		24.0	218	≤0.10	0.33	170	4.8
CX.16GBE	1:84	12.0	95	≤0.11	0.30	73	4.8
		24.0	161	≤0.10	0.45	130	4.8
CX.16GBE	1:104	12.0	77	≤0.11	0.38	59	4.8
		24.0	130	≤0.10	0.56	105	4.8
CX.16GBE	1:128	12.0	63	≤0.11	0.46	48	4.8
		24.0	105	≤0.10	0.69	85	4.8
CX.16GBE	1:157	12.0	51	≤0.11	0.55	39	4.8
		24.0	86	≤0.10	0.85	69	4.8
CX.16GBE	1:231	12.0	35	≤0.11	0.70	26	6.0
		24.0	58	≤0.10	1.0	47	6.0
CX.16GBE	1:316	12.0	25	≤0.11	0.95	19	6.0
		24.0	43	≤0.10	1.4	34	6.0
CX.16GBE	1:455	12.0	17.5	≤0.11	1.35	13.5	6.0
		24.0	29.5	≤0.10	2.0	24	6.0
CX.16GBE	1:690	12.0	11.5	≤0.11	2.0	8.9	6.0
		24.0	19.5	≤0.10	2.4	15.9	6.0
CX.16GBE	1:1014	12.0	8	≤0.11	2.4	6	7.2
		24.0	13	≤0.10	2.4	11	7.2
CX.16GBE	1:1621	12.0	5	≤0.11	2.4	3.8	7.2
		24.0	8	≤0.10	2.4	7.2	7.2
CX.16GBE	1:3027	12.0	2.5	≤0.11	2.4	2.3	7.2
		24.0	4.5	≤0.10	2.4	4.1	7.2

General Tolerances ±15%