Commex Motors Srl
Via di Rivale, 49/51 - 30030 Pianiga (VE) - Italy
Phone +39 041.5199082 - Fax +39 041.469620
Web: www.commexmotors.it - Email: sales@commexmotors.it

Geared Motors
CX.37GB

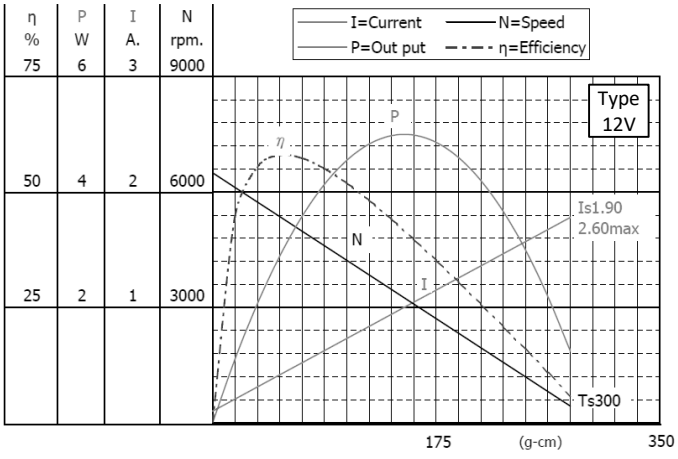
Gearbox Data:

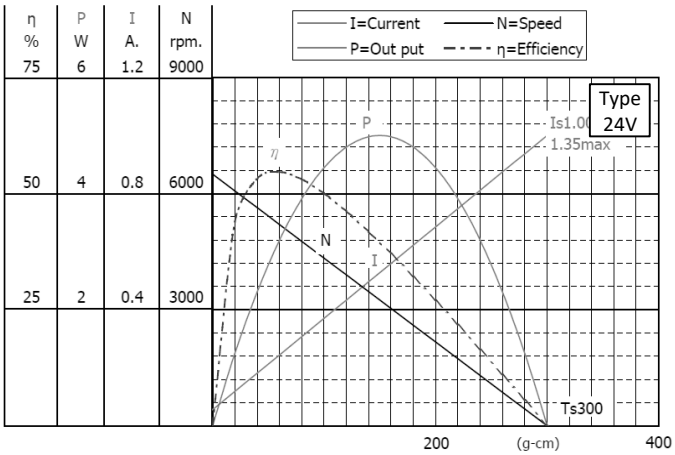
Housing: metal
Backlash at no load: ≤2°
Bearing at output: sleeve bearings
Radial Load (10mm from flange): ≤1Kgf
Shaft axial load: ≤0.7Kgf
Shaft press fit force (max): ≤20Kgf
Radial play of shaft: ≤0.05mm
Thrust play of shaft: ≤0.35mm
Length: 1:10 = 19.50mm
1:30 = 22.00mm
1:50~1:100 = 24.50mm
1:120~1:250 = 27.00mm
1:500~1:1000 = 29.50mm
1:3000 = 32.00mm

Motor Data:

DC Carbon-brush motor
Operating Range Voltage: 6~30Vdc
Nominal Voltage: 12/24Vdc
No Load Speed: @12V: 6500rpm - @24V: 6500rpm
No Load Current: @12V: ≤0.11A - @24V: ≤0.06A
Rated Speed: @12V: 5240rpm - @ 24V: 5270rpm
Rated Current: @12V: ≤0.46A - @24V: ≤0.24A
Rated Torque: @12V: 58g-cm - @24V: 58g-cm
Rated Output: @12V: 3.13W - @24V:3.10W

Motor Characteristics:





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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
		Volt	*rpm*	*A*	*Kg-cm*	*rpm*	*Kg-cm*
CX.37GB	1:10	12.0	650	≤0.13	0.5	520	3.0
		24.0	650	≤0.07	0.5	520	3.0
CX.37GB	1:30	12.0	217	≤0.13	1.3	173	6.0
		24.0	217	≤0.07	1.3	173	6.0
CX.37GB	1:50	12.0	130	≤0.13	2.0	104	9.0
		24.0	130	≤0.07	2.0	104	9.0
CX.37GB	1:75	12.0	87	≤0.13	3.0	69	12.0
		24.0	87	≤0.07	3.0	69	12.0
CX.37GB	1:100	12.0	65	≤0.13	4.0	52	18.0
		24.0	65	≤0.07	4.0	52	18.0
CX.37GB	1:120	12.0	54	≤0.13	4.2	43	18.0
		24.0	54	≤0.07	4.2	43	18.0
CX.37GB	1:150	12.0	43	≤0.13	5.3	34.5	18.0
		24.0	43	≤0.07	5.3	34.5	18.0
CX.37GB	1:200	12.0	32.5	≤0.13	6.0	26	18.0
		24.0	32.5	≤0.07	6.0	26	18.0
CX.37GB	1:250	12.0	26	≤0.13	6.0	23	18.0
		24.0	26	≤0.07	6.0	23	18.0
CX.37GB	1:500	12.0	13	≤0.13	6.0	11.5	18.0
		24.0	13	≤0.07	6.0	11.5	18.0
CX.37GB	1:1000	12.0	6.5	≤0.13	6.0	6	18.0
		24.0	6.5	≤0.07	6.0	6	18.0
CX.37GB	1:3000	12.0	2.2	≤0.13	6.0	2	18.0
		24.0	2.2	≤0.07	6.0	2	18.0

General Tolerances ±15%