

ASSEMBLY, MAINTENANCE, OPERATION

1. Install: To avoid internal geared motor touched by overlong screws and caused defective. Please check screw size and length on external dimension drawing when installing geared motor into construction.
2. Reprocess: Heavy impact and vibration during reprocessing output shaft may cause loose screws and lead to unbalance gear operation. Please avoid reprocessing output shaft.
Must to prevent overheat when weld wires into terminal and cause breakdown due to burnt internal geared motor parts.
Please do not overload the radial load limitation of output shaft when using belt pulley or chain pulley as power transmission. Please do not overload the axial load limitation of output shaft when pressing parts upon it as well.
3. Environment: The parts of geared motors or itself may corroded or damaged easier when using or maintaining in out of range environment. Must to pay close attention that gears may corroded even under an allowed environment in long term.
4. Impact: Must prevent geared motor from falling and impact, or the parts will get damaged, the screws will be loosed, and the gear operation will unbalance etc...
5. Locked out: Please well prepared current transmitting protection in case of burnt motor coil easy and damaged gear from locked out geared motor.
6. Output shaft Turning:
Please note that it is easier to damage gear when directly turning output shaft.
7. PWM controlling:
The graphite brush of motor will be abnormally wore out or the commutator interval will be blocked by carbon powder when using in the condition of D/T under 60%.
Moreover, please pay attention to the motor with capacitor due to there is ineffectual capacity cycle scope.
8. Momentary reverse:
The graphite brush will be abnormally wore out or coil getting aggravated when geared motor is reversed momentary.
Also, the commutator interval will be stuck if switch frequently.

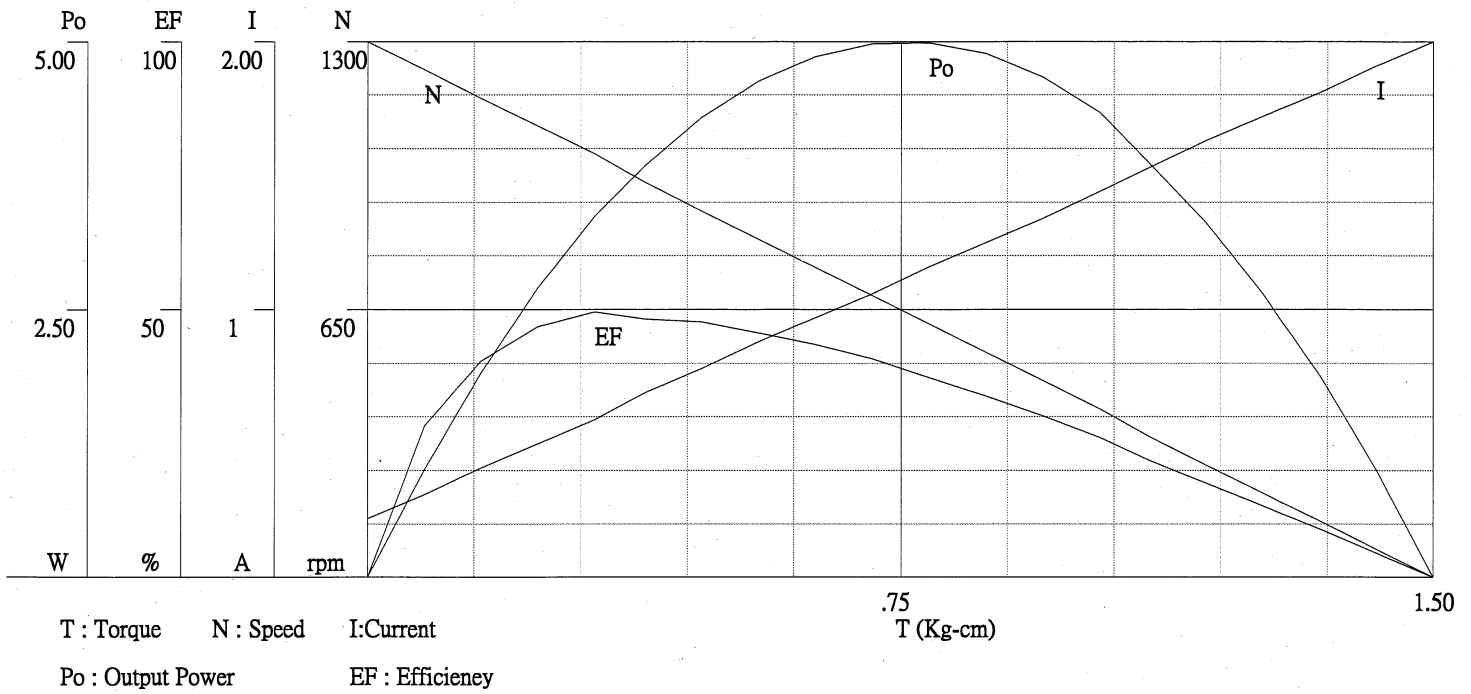
SHAYANG YE INDUSTRIAL CO.,LTD.

Mode: IG320005-3AC21R

S/N: 001

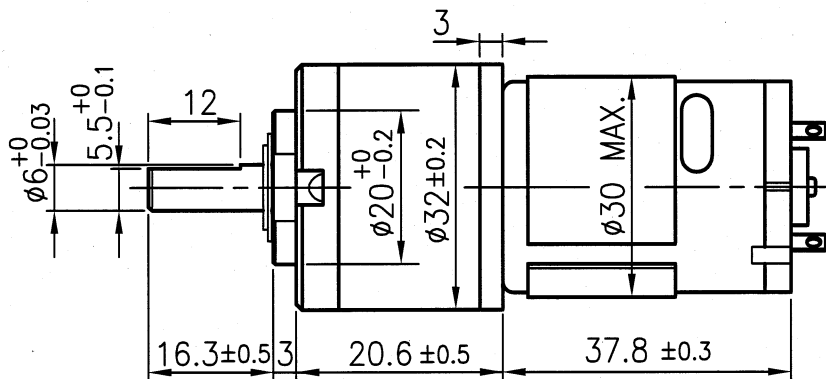
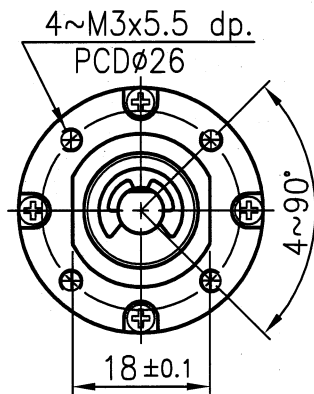
Voltage : 12 V

Date: 20141105



	T(N/m)	[Kg/cm]	N(rpm)	I(A)	Po(W)	EF(%)
No Load	0	0.00	1300.00	.22	0	0
	.01	.08	1231.75	.31	1.01	28.34
	.02	.24	1095.16	.50	2.7	46.8
	.04	.39	958.64	.69	3.84	48.28
	.05	.47	888.64	.78	4.29	47.71
	.05	.55	820.86	.88	4.63	45.67
	.06	.63	752.30	.97	4.86	43.5
	.07	.71	683.59	1.06	4.98	40.79
	.09	.87	547.46	1.25	4.89	33.95
	.09	.95	478.72	1.34	4.67	30.21
	.1	1.03	410.30	1.44	4.34	26.17
	.11	1.10	341.93	1.53	3.86	21.88
	.12	1.18	273.41	1.63	3.31	17.65
	.12	1.26	205.27	1.72	2.65	13.4
	.14	1.42	68.37	1.91	1	4.53
Stall	.15	1.50	0.00	2.00	0	0
Po...(max)	.08	.79	615.68	1.16	4.99	37.36
EF...(max)	.03	.32	1027.25	.59	3.37	49.6

參考 REF.
估價 EVALUATE
試作 INITIAL
製作 MASS



REDUCTION RATIO: 1/5
 OUTPUT SHAFT: STEEL
 MOTOR SPECIFICATION: 12V 6500RPM

核准
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一般公差表	軸徑 $\begin{smallmatrix} 0 \\ - \end{smallmatrix}$ 孔徑 $\begin{smallmatrix} + \\ 0 \end{smallmatrix}$ 長度, 角度 \pm -														
	- 指定等級區分之數值公差														
	區分	1~6	6~18	18~50	50~120	120~250	250~500	500~1000	角度						
	等級	1級	0.1	0.2	0.3	0.4	0.5	0.6	0.8	1°					
	2級	0.2	0.4	0.6	0.8	1.2	1.6	2.0	2°						
	未標示孔徑公差	±0.1				±0.2									

設變單號
E.C.N.

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核對
CHECKED BY

熱處理 HEAT TREATMENT		件名 PART NAME	成品圖	單位 UNITS	mm
表面處理 SURFACE		圖號 DWG.	IG320005-3AC21R	比例 SCALE	3/1
材質 MATERIAL					

繪圖
DRAWN BY

重量 WEIGHT		頁次 SHEET	1/1	圖標
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