

Motor Specification

0. Model No.: GTR131NP-22070AA-01

1. Standard Operating Conditions:

- 1-1 Rated Voltage: 3.0 V DC constant between motor terminals
- 1-2 Operating Voltage Range: 1.5 ~ 4.5 V DC
- 1-3 Direction of Rotation: CW when viewed from output shaft side

2. Measuring Conditions:

- 2-1 Motor position: To be placed horizontally when measuring.
- 2-2 Environmental Temperature: Temperature range of 15°C to 30°C
and Humidity: Relative humidity 30% and 70%
- 2-3 Power Supply: Regulated DC power supply

3. Electrical Characteristics (at initial stage after 30 seconds run-in):

- 3-1 No Load Current: 0.34 A Max
- 3-2 No Load Speed: 15000 ± 15% rpm
- 3-3 Rated Load: 10.0 g.cm
- 3-4 Rated Load Current: 1.17 A Max
- 3-5 Rated Load Speed: 12200 ± 12% rpm
- 3-6 Motor Performance Curve: See DWG No. DCB-1560-1 (Reference Only)
- 3-7 Insulation Resistance: 1.0 MΩ min at 100V DC between terminal and housing

4. Mechanical Characteristics:

- 4-1 External Appearance: Attached Outline Drawing
- 4-2 Shaft End Play: 0.05~0.60 mm
- 4-3 Weights: Approx. 19 g

MODEL: GTR131NP-22070AA-01

VOLTAGE: 3.0 VDC
 DIRECTION OF ROTATION: CW (+)
 SPEC. NO.: DCB-1560-1
 DATE: 2002.11.23

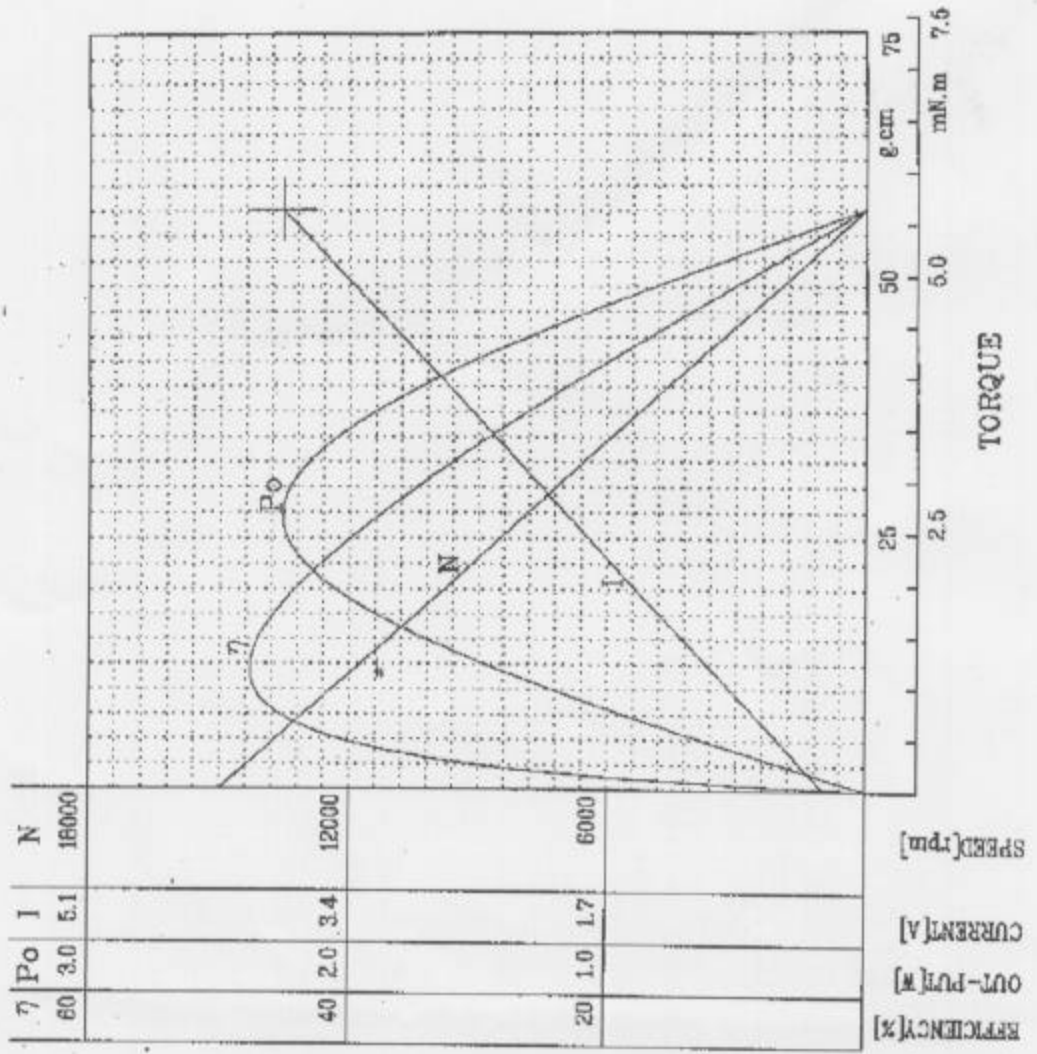
Computed Values:

AT NO LOAD:
 SPEED: 15000 R.P.M.
 CURRENT: 0.27 A

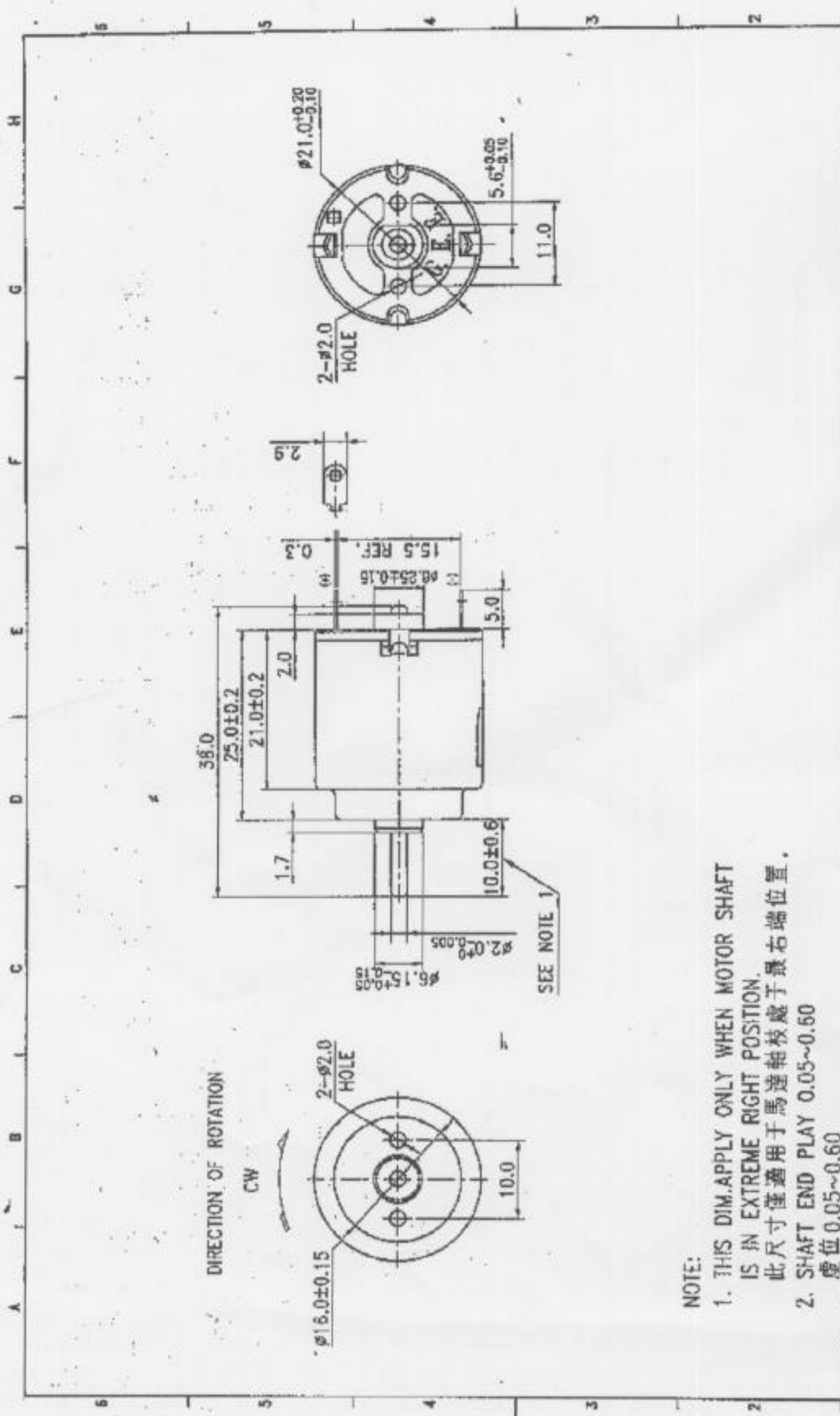
AT MAXIMUM EFFICIENCY:
 SPEED: 11900 R.P.M.
 CURRENT: 1.02 A
 TORQUE: 12.0 g.cm
 OUTPUT: 1.46 W
 EFFICIENCY: 47.7 %

AT STALL:
 TORQUE: 57.6 g.cm
 CURRENT: 3.84 A

Reference Only



7	Po	I	N
60	3.0	5.1	16000
40	2.0	3.4	12000
20	1.0	1.7	6000



NOTE:

1. THIS DIM.APPLY ONLY WHEN MOTOR SHAFT IS IN EXTREME RIGHT POSITION.
此尺寸僅適用於馬達軸枝處於最右端位置。
2. SHAFT END PLAY 0.05~0.60
虛位 0.05~0.60

TOLERANCE UNLESS SPECIFIED		CONFIRMED AND SIGNED BY CUSTOMER		TITLE 馬達外型圖	
Z	±0.3	APPD. BY <i>Sekel</i>	[Signature]	MODEL	GTR131NP-22070AA-01
ZX	±0.1	CHKD. BY <i>ZH</i>		SOL. NO.	DCB-1560-1
ZY	±0.05	DRWN. BY <i>Boi Jis</i>		SCALE	1.5:1
ANGLE	±2°		DATE	25/11/06	REV.

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