

Construction kits

Order code	Manufacturer code	Description
37-0142	n/a	3V 5240 RPM MINIATURE MOTOR

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

Motor Specification

馬達規格

Valued Customer

客戶名稱: UGL

Model No.

GTR231NP-18130AA-01

機種型號:

(GPR231NP-18130-0002)

Specification No.

Item: (37-0110)

規格書編號:

DCB-1558-1

Date

日期:

2002/11/23

Remarks:

1. This specification applies to **GOLD EFFORT GTR231NP** motor to be supplied to you.
2. You are required to sign back this specification within a month from date on its release. Otherwise it will be interpreted as your acceptance. If changes should be made, please contact our sales department.
3. Product performance and specification are subject to improvement by our company without prior notice.
4. This specification will be invalidated automatically were there any updated one approved by both sides.

CONFIRMED AND SIGNED BY CUSTOMER



Prepared by

伍仕耀

Checked by

30/11 2002/11/23

Approved by

伍仕耀
25/11/02

Motor Specification

0. Model No.:

GTR231NP-18130AA-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 and Humidity: Temperature range of 15°C to 30°C
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: 0.13 A Max
3-2 No Load Speed: 6700 ± 15% rpm
3-3 Rated Load: 10.0 g.cm
3-4 Rated Load Current: 0.45 A Max
3-5 Rated Load Speed: 5240 ± 12% rpm
3-6 Motor Performance Curve: See DWG No. DCB-1558-1 (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. 28 g

MODEL: GTR231NP-18130AA-01

VOLTAGE: 3.0 VDC
 DIRECTION OF ROTATION: CW (+)
 SPEC. NO. : DCB-155B-1
 DATE: 2002.11.23

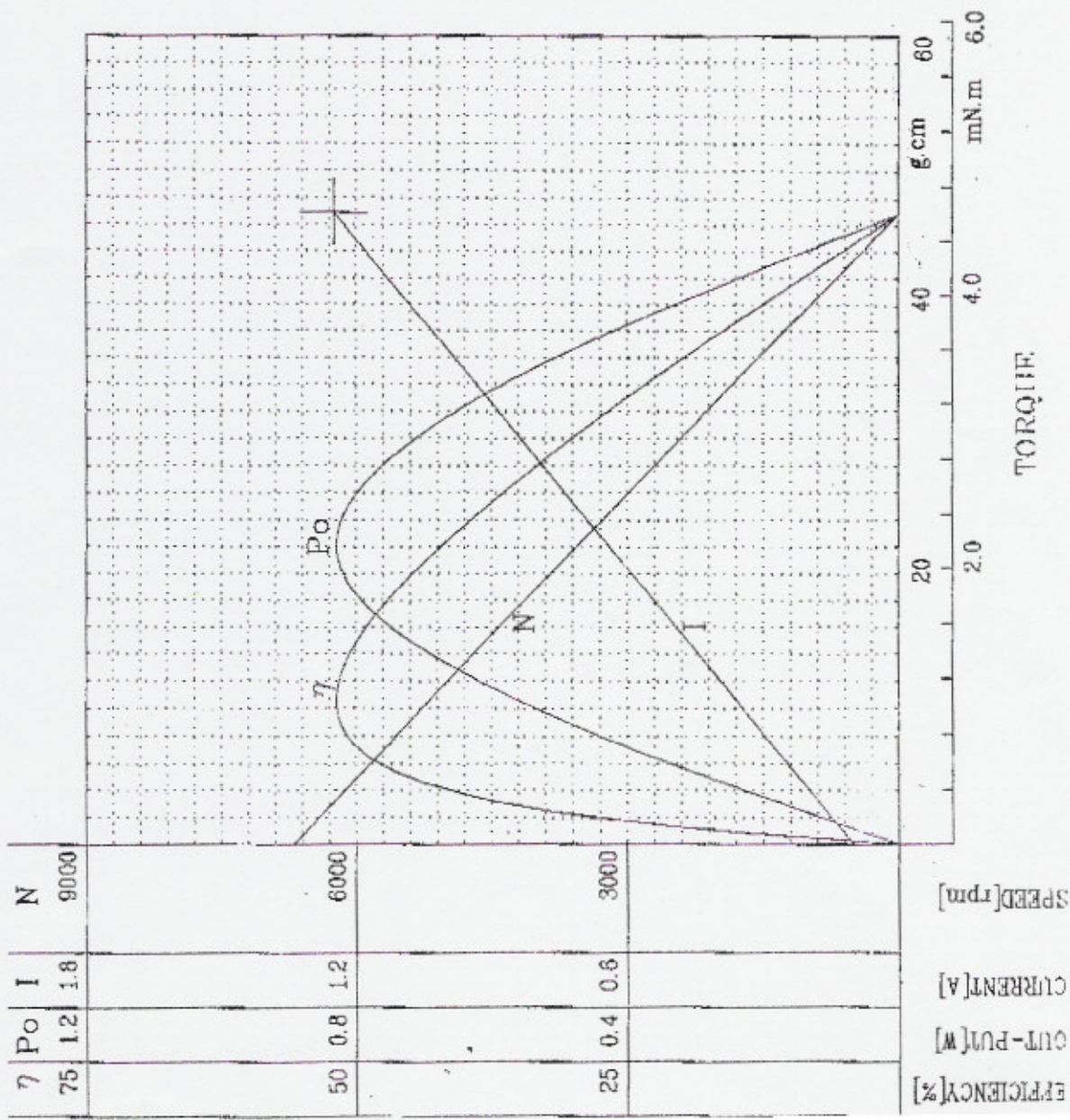
Computed Value:

AT NO LOAD:
 SPEED: 6700 R.P.M.
 CURRENT: 0.10 A

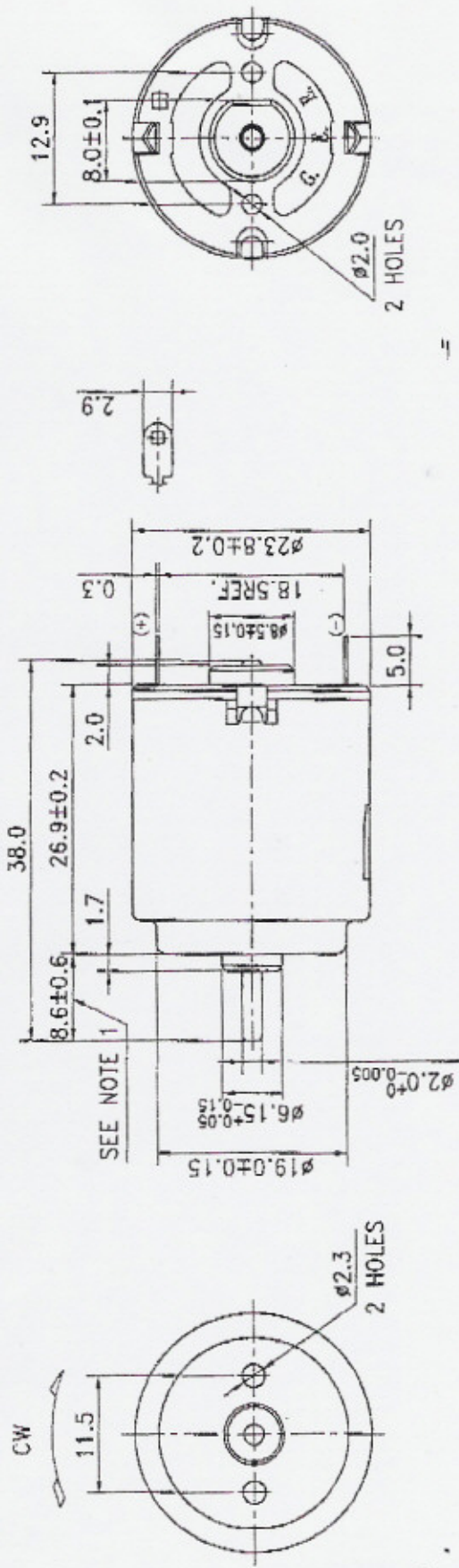
AT MAXIMUM EFFICIENCY:
 SPEED: 5200 R.P.M.
 CURRENT: 0.36 A
 TORQUE: 10.5 g.cm
 OUTPUT: 0.56 W
 EFFICIENCY: 51.9 %

AT STALL:
 TORQUE: 46.9 g.cm
 CURRENT: 1.25 A

Reference Only



DIRECTION OF ROTATION



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		APPR. BY	CONFIRMED AND SIGNED BY CUSTOMER	
X	±0.3	<i>[Signature]</i>	<p>金駿達電機製造廠有限公司 GOLD EFFORT ELECTRIC MOTOR MFG. LTD.</p>	
X.X	±0.1	<i>[Signature]</i>		
X.XX	±0.05	<i>[Signature]</i>		
ANGLE	±2°	DWN. BY	SCALE	REV.
		<i>[Signature]</i>	1.5:1	
		CHKD. BY	TITLE	
		<i>[Signature]</i>	馬達外型圖	
		DATE	MODEL	
		25/10/07	GTR231NP-18130AA-01	
		2002/10/27	SD. NO.	
			DCB-1558-1	

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