

Motors

Order code	Manufacturer code	Description
37-0140	n/a	3V 13100 RPM DC 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

Part List

Model No. : S10-2270-38Z-02

SSO#:57882

REV. : 0

1. Plastic Cap

- a) Manufacturer : Taita chemical co.,Ltd
- b) Material : Acrylonitrile butadiene styrene.

2. Body Casing

- a) Material : Electrolyti zinc plated steel sheet SECC.

3. Leaf Spring

- a) Material : Phosphor bronze.

4. Lamination

- a) Material : Laminated silicon steel.

5. Armature Magnet Wire

- a) Manufacturer : Tai-I Electrical Wire & Cable Co., Ltd.
 - b) Material : Polyurethane coated copper wire, UEW.
 - c) UL File No. : E85640 (S)
- OR
- a) Manufacturer : Xin Long Magnet Wire Co.,Ltd.
 - b) Material : Polyurethane coated copper wire, UEW.
 - c) UL File No. : E171082 (S)

6. Magnet

- a) Material : Isotropic ferrite magnet.

7. Commutator

- a) Material : Three copper bars insulated from shaft by glass reinforced 66 nylon.

PREPARED BY: 劉建波

CHECKED BY: /

APPROVED BY: 李 4/2/06

2005-04-06

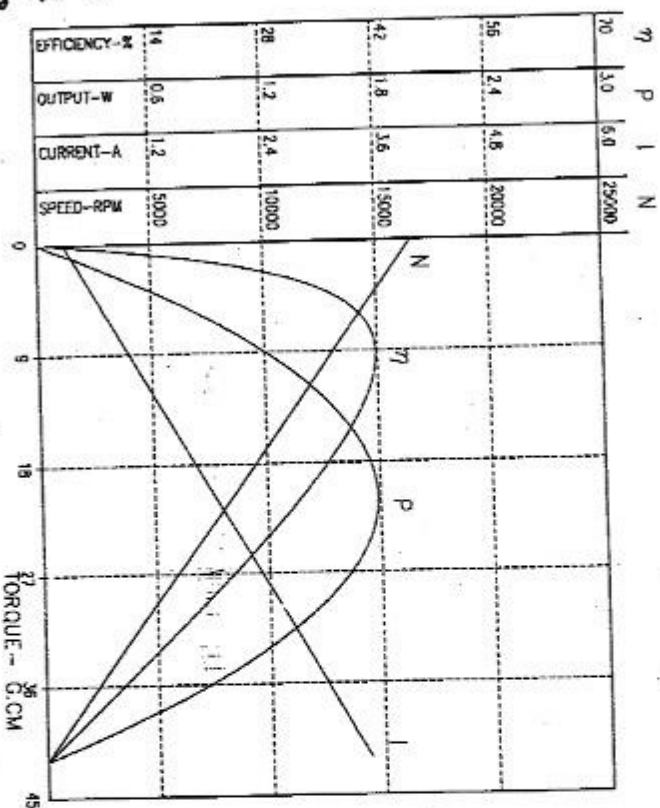
MOTOR PERFORMANCE CURVES AND CHARACTERISTICS.

馬達特性曲線

MODEL: S10-2270-38Z-02

VOLTAGE: 3.0 V

SS0# 57882



PERFORMANCE (性能)

AT NO. LOAD (無負荷)
 SPEED (轉速) = 16600 RPM
 CURRENT (電流) = 0.280 AMP

AT STALL EXTRAPOLATION (堵轉)
 TORQUE (堵轉) = 42.0 G.CM
 CURRENT (堵轉) = 3.450 AMP

AT MAXIMUM EFFICIENCY (最高效率)

EFFICIENCY (效率) = 41.85 %
 SPEED (轉速) = 12919 RPM
 TORQUE (堵轉) = 9.3 G.CM
 CURRENT (電流) = 0.993 AMP
 OUTPUT (輸出) = 1.234 WATTS

AT MAXIMUM OUTPUT (最大輸出)

SPEED (轉速) = 8300 RPM
 TORQUE (堵轉) = 21.0 G.CM
 CURRENT (電流) = 1.775 AMP
 OUTPUT (輸出) = 1.788 WATTS

WE DON'T GUARANTEE THE ELECTRICAL PERFORMANCE
 OF THE MOTOR ONLY.
 我們不保證電機本身的電氣性能。

2005-01-06

PREPARED BY

REVIEWED BY

APPROVED BY