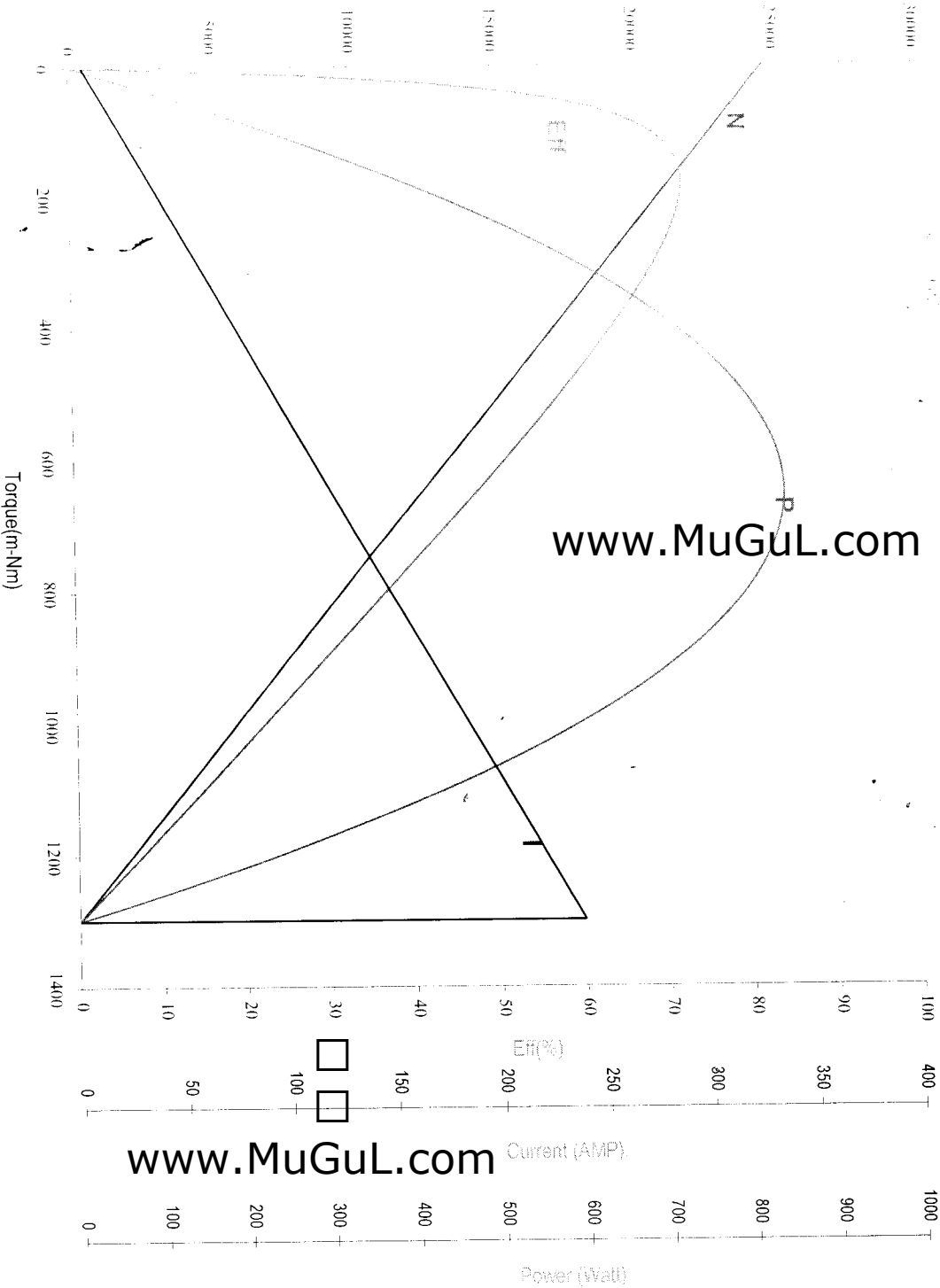


Excellence in *Micromotors* Since 1959

Date : 2004/10/19

STD - 81026



Performance (In an ambient temperature of 25 -30 C)

Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **14.40** Volts
With a circuit resistance of **0.000** Ohms

At No Load

Speed : **24705** Rpm
Current : **6.193** Amp

At stall (Extrapolated)

Torque : **1299.491** m-Nm
Current : **239.315** Amp

At maximum efficiency

Efficiency : **72.42** %
Torque : **180.080** m-Nm
Speed : **21281** Rpm

At maximum power

Torque : **401.486** m-Nm
Speed : **12353** Rpm
Current : **122.754** Amp
Output : **401.486** Watts

At maximum power
Torque : **649.746** m-Nm
Speed : **12353** Rpm
Current : **122.754** Amp
Output : **840.817** Watts

Characteristics

Torque Constant : **5.574** m-Nm/Amp
E.M.F Constant : **5.574** mV/rad/sec
Dy. Resistance : **0.0660** Ohms
Motor Regulation: **19.011** Rpm/m-Nm

At Torque Level:

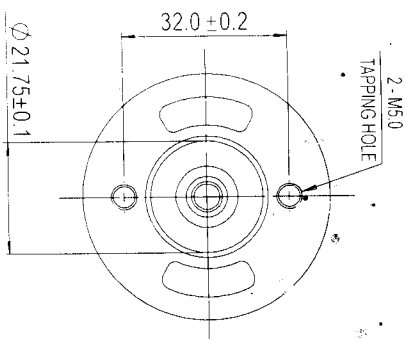
Torque: **m-Nm**

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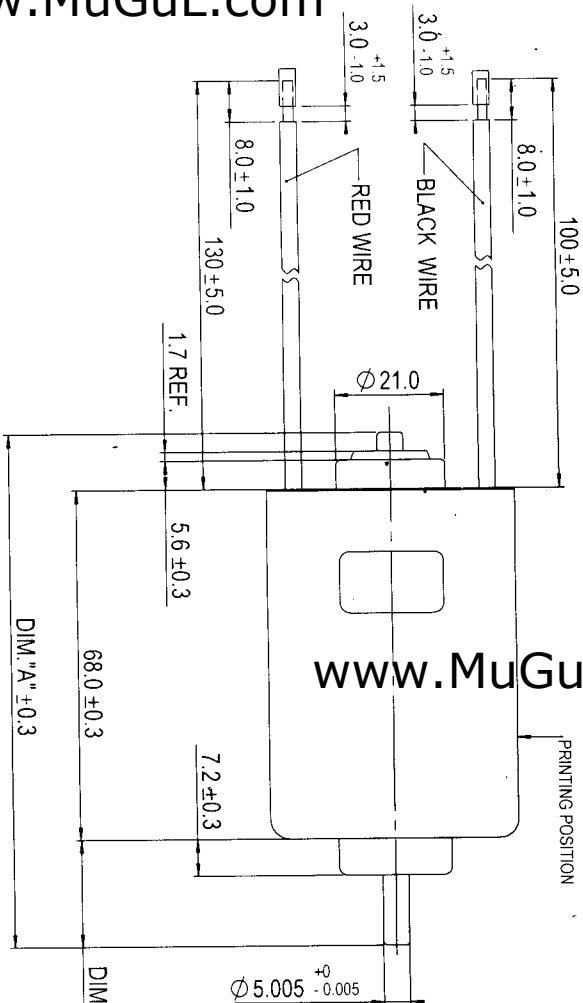
COMPUTER PRINT-OUT NOMINAL MOTOR CHARACTERISTICS.
Performance and characteristics are measured based on limited motor samples only.

Issued by Motor Sampling.

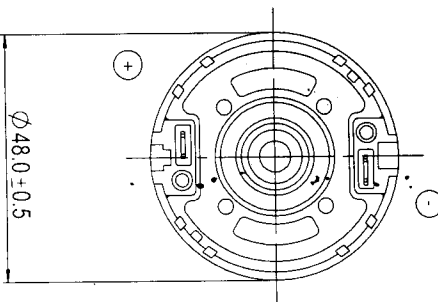
ROTATION



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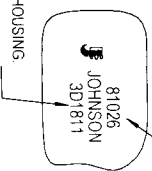


NOTES:

1. LENGTH OF SHAFT, DIM "A" 95.0 mm.
2. FRONT EXTENSION, DIM "B" 17.1 mm, MEASURED WITH THE SHAFT PUSHED AGAINST THE END CAP SIDE.
3. DIRECTION OF ROTATION: ANTI-CLOCKWISE WHEN VIEWING MOTOR OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
4. END PLAY: 0.6 mm MAX.
5. TAPPED HOLES CAN ACCEPT MAX. USABLE SCREW LENGTH OF 4.0 mm.

81026-999RP	A	70309-50000
PART NO.	ALT.	PACKAGING.

DIRECT PRINT MOTOR CODE: JEI LOGO & DATE CODE ONTO REAR HOUSING.
DATE CODE FORMAT AS ESDC-038.



MOTOR CODE

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B	CHANGED PRINTING POSITION (03Y3024240002)	CY XIA	030801
A	FIRST ISSUE (03Y3024240001)	CY XIA	030611
ALT. REF.	DESCRIPTION	BY	DATE
MATERIAL	FINISH	TOLERANCES 1. DEC PLACE ± 0.15 2. DEC PLACES ± 3. DEC PLACES ± ANGULAR ± °	

A3

TITLE	HC887G	SCALE	1:1	DATE
MOTOR OUTLINE		DWN. BY	CY XIA	030611
		CHK. BY		
		APP. BY		

JOHNSON ELECTRIC ENGINEERING LTD.
A JOHNSON ELECTRIC GROUP COMPANY
JOHNSON BUILDING, TAI PO, HONGKONG.

DWG. NO.

81026-99900

The assembler incorporating this motor into an apparatus, has to ensure that this apparatus meets the appropriate local, national or international standards, directives and specification for EMC.
Johnson Electric is prepared to assist the assembler in solving potential EMC problems.

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