

JOHNSON ELECTRIC GROUP OF COMPANIES ("JOHNSON ELECTRIC")  
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DIRECT PRINT PART NO. & DATE CODE ONTO MOTOR HSG.. CHARACTERS ARE TO BE BLACK AND  
 NON-REMOVABLE OF MIN. HEIGHT 3mm. DATE CODE FORMAT :  
 FIRST DIGIT - STAND FOR LOCATION CODE. eg. 1 FOR P01 & P12, 3 FOR 301, 8 FOR 801.  
 SECOND DIGIT - STAND FOR PRODUCTION YEAR. eg. 6 FOR 1996.  
 THIRD & FOURTH DIGITS - STAND FOR PRODUCTION WEEK.  
 eg. 50 FOR 50 th WEEK.  
 FIFTH DIGIT - STAND FOR WEEK DAY. eg. 1 FOR MON., 2 FOR TUE., 3 FOR WED.,  
 4 FOR THU., 5 FOR FRI., 6 FOR SAT., 7 FOR SUN.  
 LAST DIGIT - STAND FOR LOT NUMBER.

**NOTES:-**

1. LENGTH OF SHAFT, DIM. "A" 72.4 mm..
2. FRONT EXTENSION, DIM. "B" 18.0 mm., MEASURED WITH SHAFT PUSHED AGAINST PLASTIC END CAP.
3. DIRECTION OF ROTATION : CLOCKWISE WHEN VIEWING MOTOR OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
4. END PLAY : 0.50 mm. MAX..
5. DRAWN HOLES CAN ACCEPT MAX. PIN LENGTH OF 3.0 mm.

ALT. REF.	FIRST ISSUE	DESCRIPTION	BY	DATE
		FINISH		A3
MATERIAL		TOLERANCES		
		1 DEC. PLACES ± 0.15		
		2 DEC. PLACES ±		
		3 DEC. PLACES ±		
		ANGULAR ± 2°		
TITLE		SCALE	DATE	
HC 610 G		DWN. BY	M.L LI	28/5/96
MOTOR OUTLINE		CHK. BY		
		APP. BY		
DWG. NO.		62814-99900 A		
<b>JOHNSON ELECTRIC IND. MFTY. LTD.</b> JOHNSON BUILDING, CHAI WAN, HONGKONG.				

# JOHNSON ELECTRIC ENGINEERING LTD.

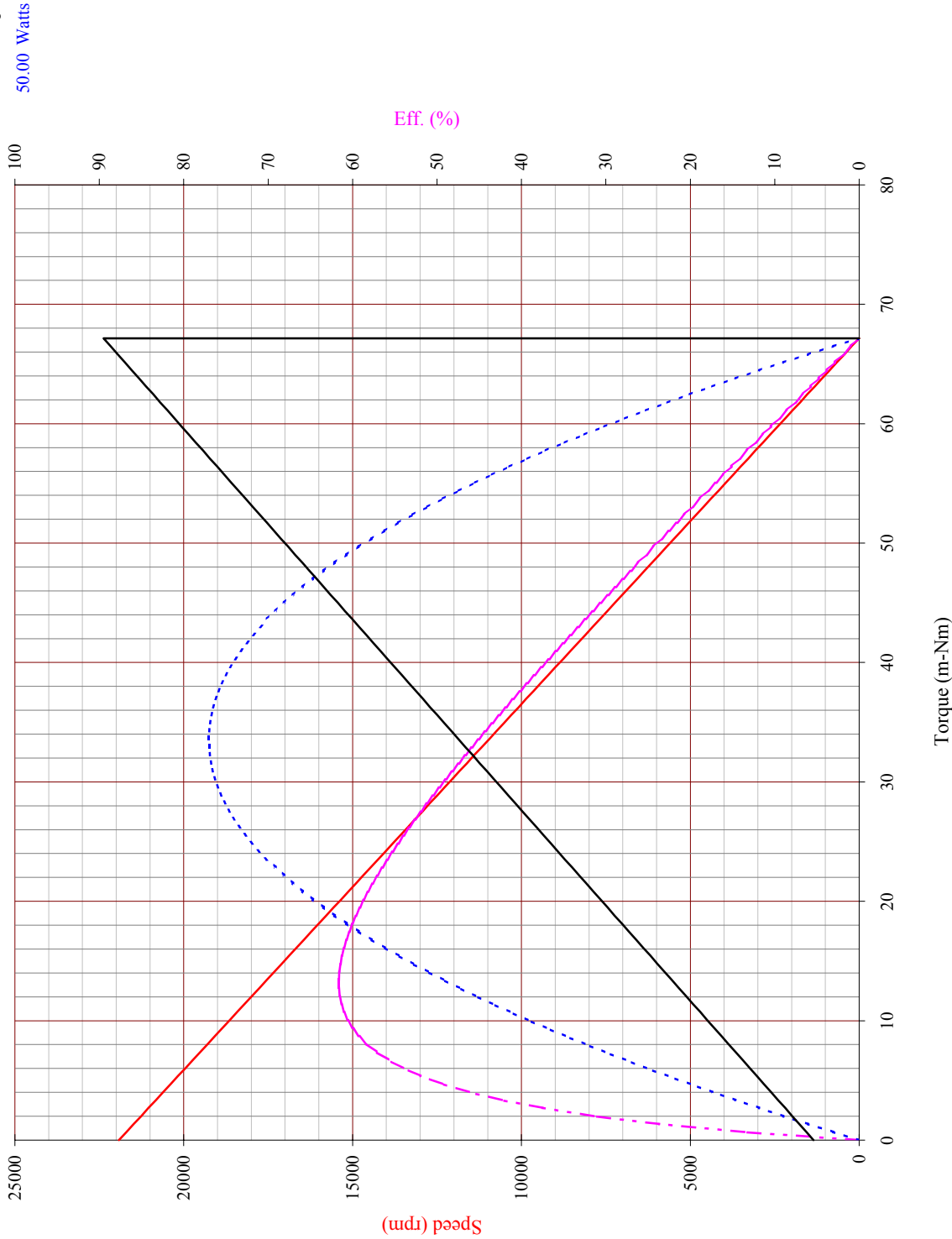
6-22, Dai Shun St., Tai Po Industrial Estate, N.T., H.K. Fax: 852-2663.6108

Project No : Production Motor  
Curve No : **HC610G-62814**

Winding : 0.75 - 16

Date : 04/27/1999  
Model :

Full Scales : 50.00 Amp  
50.00 Watts



Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **3.60** Volts  
with a circuit resistance **0.000** Ohm

(At the ambient temperature of 25~30 deg C)

At No Load

Speed : 21920 Rpm  
Current : 2.700 Amp

At Stall (Extrapolated)

Torque : 67.16 m-Nm  
Current : 44.75 Amp

At Maximum Efficiency

Efficiency : 61.63 %  
Torque : 13.43 m-Nm  
Speed : 17536 Rpm  
Current : 11.11 Amp  
Output : 24.65 Watts

At Maximum Power

Torque : 33.58 m-Nm  
Speed : 10960 Rpm  
Current : 23.73 Amp  
Output : 38.51 Watts

Characteristics

Torque Constant : 1.5970 m-Nm/Amp  
Dy. Resistance : 0.0800 Ohms  
Motor Regulation : 326.3990 Rpm/m-Nm

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

Torque (m-Nm)

Reference no : 26397