

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.

www.MuGuL.com MOTOR OUTLINE

A		FIRST ISSUE		BY	DATE
ALT. REF.		DESCRIPTION		BY	DATE
MATERIAL		FINISH		TOLERANCES	
				1 DEC. PLACE ± 0.15	
				2 DEC. PLACES ±	
				3 DEC. PLACES ±	
				ANGULAR ± 2°	
TITLE		SCALE	1.5 : 1	DATE	
HC 610 G		DWN. BY	M.L LI	28/5/96	
		CHK. BY			
		APP. BY			
		DWG. NO.			
JOHNSON ELECTRIC IND. MFTY. LTD.		62814-99900 A			
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

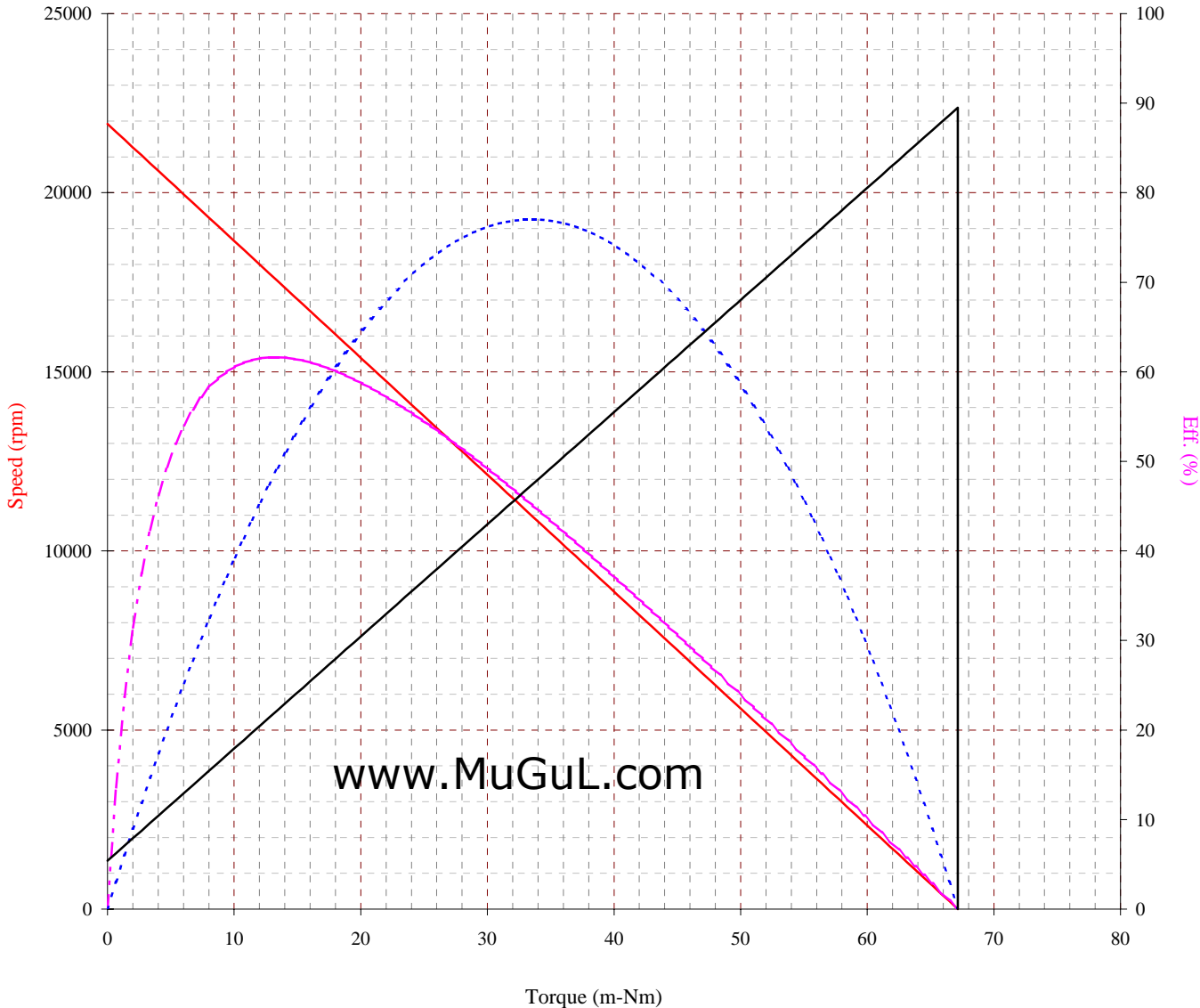
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Model :

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

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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.

Reference no : 26397