



# JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

Johnson Building, 6-22, Dai Shun Street, Tai Po, Hong Kong.

Excellence in *Micromotors* Since 1959

Date : 26.11.03

Project No.: 02D1007/50/00006  
 Winding : 0,07 - 670  
 Motor test reference no : 0

P70M (wake)

Simulation at 25 C  
 Motor tested rapidly to prevent significant temperature rise.  
 At a constant voltage of **13,00** Volts  
 With a circuit resistance **0,000** Ohms

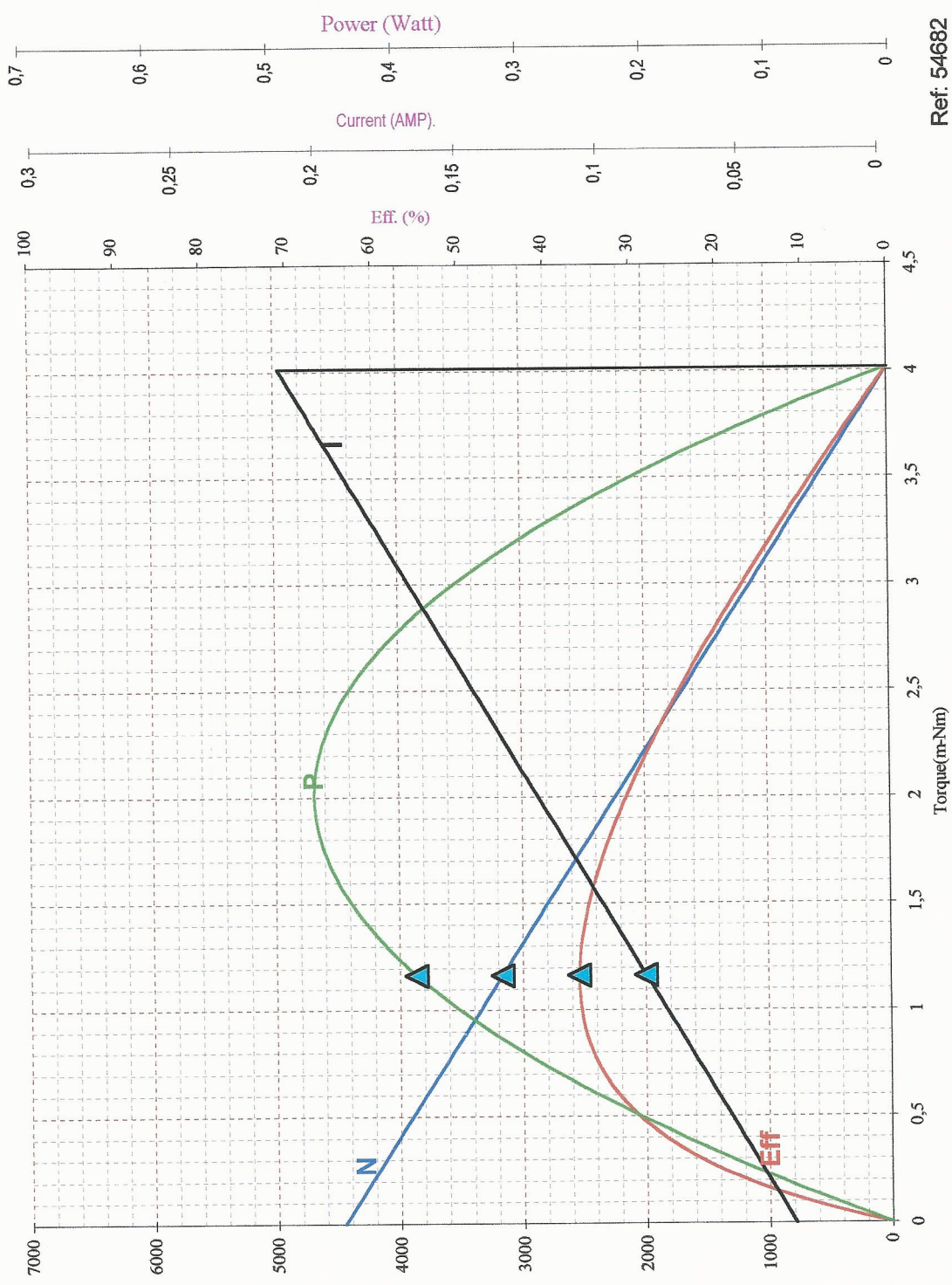
AT No Load  
 Speed : 4460 Rpm  
 Current: 0,034 Amp  
 At stall (Extrapolated)  
 Torque : 4,016 m-Nm  
 Current: 0,213 Amp  
 At maximum efficiency  
 Efficiency : 36,33 %  
 Torque : 1,142 m-Nm  
 Speed : 3192 Rpm  
 Current : 0,085 Amp  
 Output : 0,382 Watts  
 At maximum power  
 Torque : 2,008 m-Nm  
 Speed : 2230 Rpm  
 Current : 0,123 Amp  
 Output : 0,469 Watts

Characteristics  
 Torque Constant : 22,400 m-Nm/Amp  
 E.M.F Constant : 22,400 mV/rad/sec  
 Dy. Resistance : 61,070 Ohms  
 Motor Regulation: 1110,714 Rpm/m-Nm  
 At Torque Level: At Fan: C6

Torque: 1,37255 m-Nm  
 Speed: 2935,76 Rpm  
 Current: 0,09487 Amp  
 Efficiency: 35,8 %  
 Output: 0,42213 Watts  
 Torque: 1,11396  
 Speed: 3222,98  
 Current: 0,08333  
 Efficiency: 36,3168  
 Output: 0,37612

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

Issued by CATD Simulation



Ref: 54682