

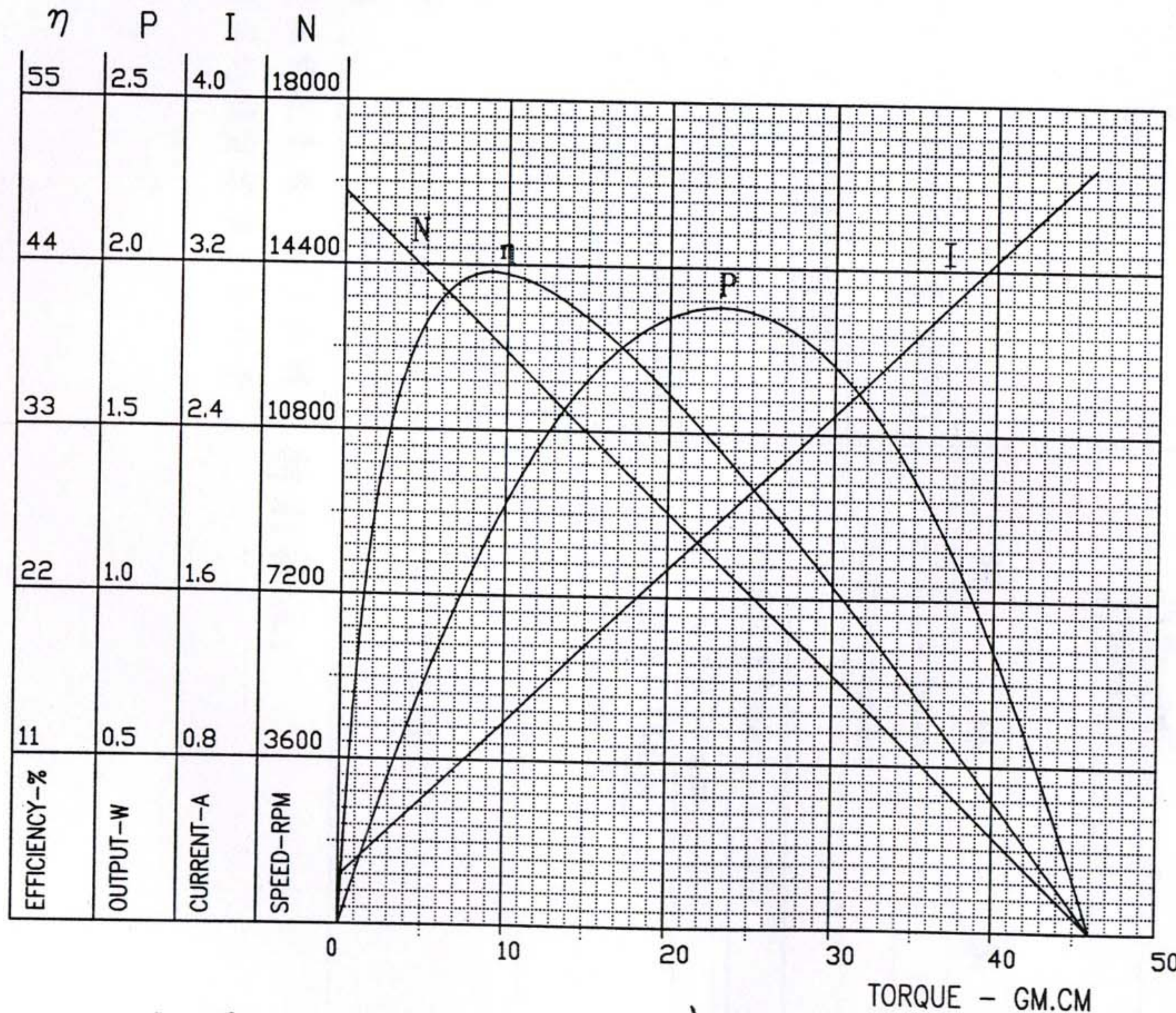
# MICRO MOTOR MFG. CO. NO.: curve - M14B - 2270 - 002

(25)

## MOTOR PERFORMANCE CURVES AND CHARACTERISTICS:

MODEL: **\*M14B-2270\***

VOLTAGE: **3.0 V**



**PERFORMANCE**

**AT NO LOAD**  
 SPEED = 16000 RPM  
 CURRENT = 0.230 AMP

**AT STALL EXTRAPOLATION**  
 TORQUE = 46.0 G.CM  
 CURRENT = 3.700 AMP.

**AT MAXIMUM EFFICIENCY:**  
 EFFICIENCY = 43.57 %  
 SPEED = 12807 RPM  
 TORQUE = 9.2 G.CM  
 CURRENT = 0.922 AMP.  
 OUTPUT = 1.206 WATTS

**AT MAXIMUM OUTPUT**  
 SPEED = 8000 RPM  
 TORQUE = 23.0 G.CM  
 CURRENT = 1.850 AMP.  
 OUTPUT = 1.887 WATTS

**CHARACTERISTICS**  
 TORQUE CONSTANT = 13.256 G.CM/AMP.  
 E.M.F CONSTANT = 1.679 mV/Rad/Sec  
 DYNAMIC RESISTANCE = 0.811 Ohms  
 MOTOR REGULATION = 347.826 RPM/G.CM

PREPARED BY: [Signature] CHECKED BY: [Signature] APPROVED BY: \_\_\_\_\_

NOTE: THE CURVES REPRESENT THE THEORETICAL PERFORMANCE OF THE FEW SAMPLES, FOR REFERENCE ONLY.