

# MICRO MOTOR MFG. CO.

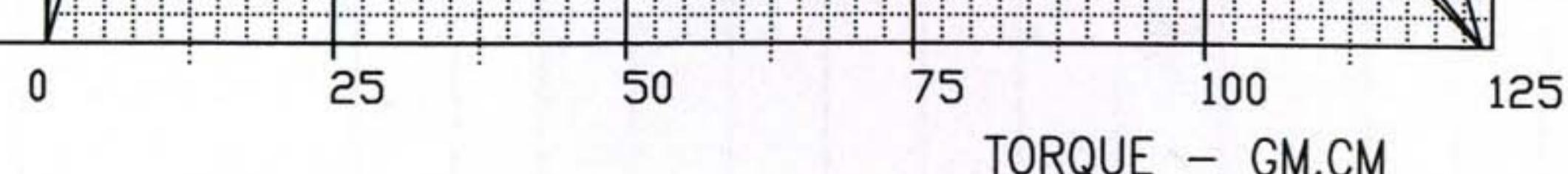
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## MOTOR PERFORMANCE CURVES AND CHARACTERISTICS:

MODEL: \* **M28C-2485 \***

VOLTAGE: **7.2 V**

$\eta$	P	I	N
45	6.0	6.0	17500
36	4.8	4.8	14000
27	3.6	3.6	10500
18	2.4	2.4	7000
9	1.2	1.2	3500
EFFICIENCY-%	OUTPUT-W	CURRENT-A	SPEED-RPM



PREPARED BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_ APPROVED BY: \_\_\_\_\_

### PERFORMANCE

#### AT NO LOAD

SPEED = 17200 RPM  
CURRENT = 0.220 AMP

#### AT STALL EXTRAPOLATION

TORQUE = 124.0 G.CM  
CURRENT = 5.500 AMP.

#### AT MAXIMUM EFFICIENCY:

EFFICIENCY = 38.36 %  
SPEED = 14333 RPM  
TORQUE = 20.7 G.CM  
CURRENT = 1.100 AMP.  
OUTPUT = 3.038 WATTS

#### AT MAXIMUM OUTPUT

SPEED = 8600 RPM  
TORQUE = 62.0 G.CM  
CURRENT = 2.750 AMP.  
OUTPUT = 5.469 WATTS

### CHARACTERISTICS

TORQUE CONSTANT = 23.485 G.CM/AMP.  
E.M.F CONSTANT = 3.837 mV/Rad/Sec  
DYNAMIC RESISTANCE = 1.309 Ohms  
MOTOR REGULATION = 138.710 RPM/G.CM

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